

LIGHTING CATALOG 2019

Connecting with light

Your partner for innovative lighting solutions
and high-quality products for more than 27 years.

Our products

- LED strips
- recessed downlights
- profiles
- controlling systems

Our service

- consulting engaged on eye level
- project planning
- taylormade solutions
- technical support
- training
- fast delivery
- huge warehouse stocks

Personal advice

Phone:	+49 4242 / 95 65-0
Mon. - Thu.:	07:30 - 16:30 h
Fri.:	07:30 - 14:30 h

www.rutec.de

... in the long term!

rutec

Dear valued customers,

Faster and faster the technological development moves forward. New products and applications take place. Always new specialized products, ideas and solutions are presented. And that is also true for the world of light: in recent years impossible to imagine lighting solutions, are today possible.

We at rutec, with our 25 years of experience, are always monitoring the market and new developments and if we find a new product which gives benefit to our customers, we act. And that in different matters: installation friendly products, price wise, sustainability and design. In some niche markets we even have a leading position with our own developments and designs. We are proud to achieve the combination of new innovative lighting but also understandable and easy to install lighting.

From arctic sun to candle light

There is a saying "nothing is more enduring than the change". Therefore also in this catalog, you will find more than 250 new products. Especially at our VARDAflex LED-Strips you find new developed items, more efficient and powerful. New warmwhite colours 2400 K, 2200 K and "flame" even 1500 till 1700 K enable a cosy environment at home. On the other hand you will also find a 25000 K – iceblue -LED-Strip, comparable to the arctic sun.

VARDAflex Single: cuttable after every single LED

You will also be excited by our new LED-strip VARDAflex Single. It is a revolution: the 24 volt strip you can cut after every LED, thus every 8.33mm. How different the rooms are where you have to create an indirect lighting, the exhausting calculation to avoid shadows in corners are gone with the past. The Masterpiece, in our opinion, is VARDAflex Single Select, which you adjust from 2100 up to 6000K.

New connectors – PUSH, new Pendent profiles

The installation of our LED-Strips will be much easier in future with our new PUSH-connectors. For many of our LED-Strips we now can offer new infeeder and direct connectors. Almost completely new is our aluminum profile program, which includes much better prices. Aside our well known and esteemed standard and IP 68 profiles, we have a great choice of new profiles, some even in white and black colour. Further we have much more pendent profiles in program, so you can create your own lighting fixture. The new pluster profiles give the possibility to offer lighting in new applications.

Very often we are astonished how creative and diverse the light designers and architects use our product range, especially on cruise vessels. Also in other applications like in schools, Kindergardens, offices, Hotels and private houses you can create efficient and nice indirect lighting. rutec want to be your best partner for your requirements, ideas and wishes.

All rutec-news and innovative application examples you will also find online. Please have a look – either on our web page www.rutec.de or in social media like Instagram, Facebook or Youtube.

We wish you a lot of joy while reading our new catalog

The rutec-team

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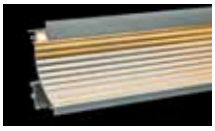
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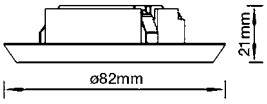
LED recessed downlight

COB (Chip On Board)



LARA AC 5.5 W LED furniture recessed downlight
SMD, fixed, with protective glass, IP44

- for indoor use
- diecast aluminium
- 230 V LED recessed downlight with frosted protective screen
- light colour: warmwhite 3000 K
- power: 5.5 W
- input: 220-240 V AC, 50 / 60 Hz
- light flux: 306 lumen
- beam angle: 35°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- not dimmable





LED55205 WW

IP44

Energy efficiency class A+

ORDERING INFORMATION



Type	Outer Diameter mm		Depth mm	Article no. white	Article no. black	Article no. brushed iron	Article no. chrome matt
LED5520	Ø 82	Ø 55 mm	20	LED55201WW	LED55202 WW	LED55205 WW	LED55209WW



SANYA AC 5.5 W COB LED recessed downlight
movable, 35 mm depth, with protective screen, IP40

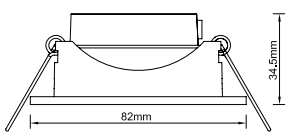
- for indoor use
- diecast aluminium, plastic reflector, with frosted and clear protective screen
- protection class: IP40, when fitted in enclosed ceilings
- light colour: 3000 K
- power: 5.5 W
- input: 230 V AC, 50/60 Hz
- beam angle: 90°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- not dimmable

ALU54371WW

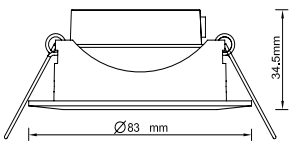


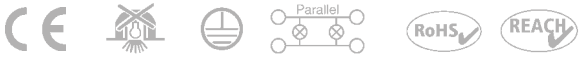
ALU54395WW

ALU5447



ALU5437





Energy efficiency class A+

ORDERING INFORMATION



Type	Predective screen	Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no. white	Article no. brushed iron
circular	clear	3000	500	83	Ø 68 mm	35	ALU54371WW	ALU54375WW
square	clear	3000	500	82 x 82	Ø 68 mm	35	ALU54471WW	ALU54475WW
circular	frosted	3000	350	83	Ø 68 mm	35	ALU54351WW	ALU54355WW
square	frosted	3000	350	82 x 82	Ø 68 mm	35	ALU54391WW	ALU54395WW



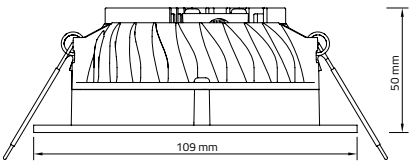
SILMA AC 10 W COB LED recessed downlight

fixed, with protective screen, IP40

NEW



- for indoor use
- diecast aluminium, with plastic protective screen
- light colour: 3000 K (±100 K)
- power: 10 Watt
- input: 230 V AC
- beam angle: 90°
- temperature range: -20° to +50°C
- colour rendering: CRI 80
- lifespan L70: >= 50,000 hours
- not dimmable



Energy efficiency class A+

ORDERING INFORMATION

Type	Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no. white
circular 10 W	3000	840	109	Ø 90 mm	60	48100



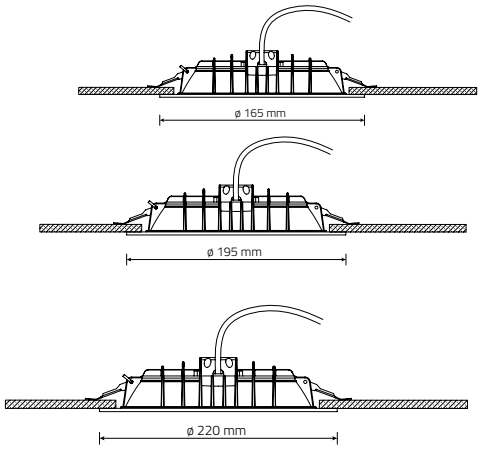
48110 / 48118 48120 / 48128 48130 / 48138

SILA AC LED recessed downlight, SMD

fixed, with protective screen, IP40

NEW

- for indoor use
- diecast aluminium with plastic protective screen
- light colour: 3000 K (± 100 K), 4000 K (± 100 K)
- input: 220-240 V AC
- power: 10, 20 und 30 Watt
- beam angle: 102°
- temperature range: -20° to +50°C
- colour rendering: CRI 80
- lifespan L70: >= 50,000 hours
- not dimmable



Parallel RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION

Type	Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no. white
circular 10 W	3000	968	165	Ø 140 mm	60	48110
circular 10 W	4000	1024	165	Ø 140 mm	60	48118
circular 20 W	3000	1960	195	Ø 165 mm	60	48120
circular 20 W	4000	2120	195	Ø 165 mm	60	48128
circular 30 W	3000	2989	220	Ø 190 mm	60	48130
circular 30 W	4000	3163	220	Ø 190 mm	60	48138



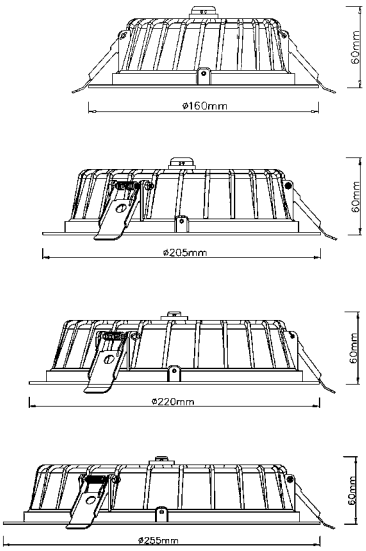
48310 48320 48325 48330

SILA LED recessed downlight, SMD

fixed, dimmable, with protective screen, IP44

NEW

- for indoor use
- diecast aluminium with plastic protective screen
- light colour: 3000 K (±100 K)
- beam angle: 90°
- colour rendering: CRI 80
- lifespan L70: >= 50,000 hours
- dimmable
- **no constant current driver included**



IP44 series connection RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION

Type	Light flux lm	Current mA	Outer Diameter mm		Depth mm	Article no. white
circular 10 W	999	300	160	Ø 135 mm	70	48310
circular 20 W	2014	500	205	Ø 180 mm	70	48320
circular 25 W	2654	600	220	Ø 200 mm	70	48325
circular 30 W	3125	700	255	Ø 235 mm	70	48330

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V AC	Power Watt	Dimension mm	Temperature range °C	Article no.
DALI Dim actuator AC	100-240	250-1000	5-48	1.25-48	210 x 50 x 32	-20 ˜+50	80790



40151



40251



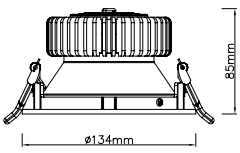
40351

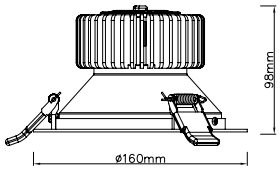
NINQITA COB LED recessed downlight

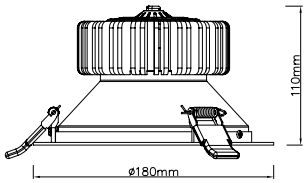
fixed, with protective screen, IP40

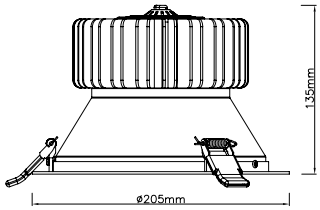
NEW

- for indoor use
- diecast aluminium with plastic protective screen
- light colour: 3000 K (±100 K), 4000 K (±100 K)
- beam angle: 48 - 53°
- temperature range: -20° bis +50°C
- colour rendering: CRI 80
- lifespan L70: >= 50,000 hours
- **no constant current driver included**









series connection

RoHS

REACH

Energy efficiency class A+

ORDERING INFORMATION

Type	Light colour K	Current mA	Light flux lm	Outer Diameter mm		Depth mm	Article no. white
circular 15 W	3000	400	1504	134	Ø 125 mm	95	40151
circular 15 W	4000	400	1610	134	Ø 125 mm	95	41151
circular 25 W	3000	700	3030	160	Ø 140 mm	110	40251
circular 25 W	4000	700	3150	160	Ø 140 mm	110	41251
circular 35 W	3000	900	3594	180	Ø 160 mm	120	40351
circular 35 W	4000	900	3700	180	Ø 160 mm	120	41351
circular 50 W	3000	1200	5069	205	Ø 185 mm	145	40501
circular 50 W	4000	1200	5180	205	Ø 185 mm	145	41501

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V AC	Power Watt	Dimension mm	Temperature range °C	Article no.
DALI Dim actuator AC	100-240	250-1000	5-48	1.25-48	210 x 50 x 32	-20 ~+50	80790
DALI Dim actuator AC	100-240	1050-1800	5.25-50	1.25-48	210 x 50 x 32	-20 ~+50	80791



CALA

- newest technology
  with CITIZEN COB LED Arrays
- high light quality
  comfortably warm and bright LED light with
  3000 or 4000 Kelvin
- high manufacturing quality
  housing in cast aluminium, reflector, front ring and cooling body in aluminium
- high light yield
  high quality aluminium faceted reflector
- safety
  clear or matt protective glass, IP43
- elegant design
  available in three colours: sand white, sand grey, sand silver
- long lifespan
  lifespan L70: ≥ 60,000 hours
- good colour rendering
  CRI: 80

	CALA - 6 W	CALA - 10 W	CALA - 14 W	CALA - 25 W	CALA - 41W
					
1- sand white	42061	42101	42141	42251	42411
					
7 - sand grey	42067		42147		42417
					
9 - sand silber	42069	42109	42149	42259	42419



CALA 6 W LED recessed downlight

CITIZEN COB LED, with protective glass, IP43

- for indoor use
- housing in diecast aluminium, reflector, front ring and cooling body in aluminium, with clear protective glass IP43
- light colour: 3000 K and 4000 K
- power: 6 W
- current: 600 mA
- beam angle: 36°
- colour rendering: CRI 80
- lifespan L70: ≥ 60,000 hours
- **no constant current converter included - please order separately (see below)**



42067



42069

IP43 series connection RoHS REACH

Energy efficiency class A++

ORDERING INFORMATION

Colour Outer ring	Light colour K	Light flux lm	Forwards voltage V DC	Outer Diameter mm		Depth mm	Article no.
sand white	3000	605	10.2	Ø 78	Ø 65 mm	83	42061
sand white	4000	615	10.2	Ø 78	Ø 65 mm	83	46061
sand grey	3000	605	10.2	Ø 78	Ø 65 mm	83	42067
sand silber	3000	605	10.2	Ø 78	Ø 65 mm	83	42069
frosted glass							42060

NEW

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	90 - 295	600	3 - 11	1.8 - 6.6	57 x 40.8 x 24	- 20 - +40	85950
Dimmable phase alignment	90 - 295	600	8 - 12	4.8 - 7.2	66 x 27	- 20 - +50	85955
Dimmable DALI	100 - 240	600	3 - 48	28	210 x 50 x 32	- 20 - +50	80790



CALA 10 W LED recessed downlight

CITIZEN COB LED, with protective glass, IP43

- for indoor use
- housing in diecast aluminium, reflector, front ring and cooling body in aluminium, with clear protective glass IP43
- light colour: 3000 K and 4000 K
- power: 10 W
- current: 250 mA
- beam angle: 36°
- colour rendering: CRI 80
- lifespan L70: ≥ 60,000 hours
- **no constant current converter included - please order separately (see below)**



42101

IP43 series connection RoHS REACH

Energy efficiency class A++

ORDERING INFORMATION

	Colour Outer ring	Light colour K	Light flux lm	Forwards voltage V DC	Outer Diameter mm		Depth mm	Article no.
	sand white	3000	1007	40.9	Ø 98	Ø 81 mm	90	42101
NEW	sand white	4000	1121	40.9	Ø 98	Ø 81 mm	90	46101
	sand silber	3000	1007	40.9	Ø 98	Ø 81 mm	90	42109
	frosted glass							42100

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	90 - 264	250	26 - 48	6.5 - 12	110 x 35 x 25	- 20 - +60	85960
Dimmable phase alignment	90 - 264	250	24 - 42	5.8 - 10	66 x 27	- 20 - +50	85965
Dimmable DALI	100 - 240	250	3 - 48	12	210 x 50 x 32	- 20 - +50	80790



CALA 14 W LED recessed downlight

CITIZEN COB LED, with protective glass, IP43

- for indoor use
- housing in diecast aluminium, reflector, front ring and cooling body in aluminium, with clear protective glass IP43
- light colour: 3000 K und 4000 K
- power: 14 W
- current: 350 mA
- beam angle: 36°
- colour rendering: CRI 80
- lifespan L70: ≥ 60,000 hours
- **no constant current converter included - please order separately (see below)**



42141



42149

IP43 series connection RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION

Colour Outer ring	Light colour K	Light flux lm	Forwards voltage V DC	Outer Diameter mm		Depth mm	Article no.
sand white	3000	1176	40.9	Ø 116	Ø 105 mm	110	42141
sand white	4000	1150	40.9	Ø 116	Ø 105 mm	110	46141 NEW
sand grey	3000	1176	40.9	Ø 116	Ø 105 mm	110	42147
sand silber	3000	1176	40.9	Ø 116	Ø 105 mm	110	42149
frosted glass							42140

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	90 - 264	350	26 - 42	9.1 - 14.7	110 x 35 x 25	- 20 - +60	85970
Dimmable phase alignment	90 - 264	350	30 - 48	10.5 - 16.8	85 x 63 x 33	- 20 - +50	85975
Dimmable DALI	100 - 240	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



CALA 25 W LED recessed downlight

CITIZEN COB LED, with protective glass, IP43

- for indoor use
- housing in diecast aluminium, reflector, front ring and cooling body in aluminium, with clear protective glass IP43
- light colour: 3000 K und 4000 K
- power: 25 W
- current: 600 mA
- beam angle: 36°
- colour rendering: CRI 80
- lifespan L70: ≥ 60,000 hours
- **no constant current converter included - please order separately (see below)**



42259

46251:
Energieeffizienzklasse A+

Energy efficiency class A

IP43 series connection RoHS REACH

ORDERING INFORMATION

Colour Outer ring	Light colour K	Light flux lm	Forwards voltage V DC	Outer Diameter mm		Depth mm	Article no.
sand white	3000	2050	40.9	Ø 142	Ø 125 mm	151	42251
sand white	4000	2345	40.9	Ø 142	Ø 125 mm	151	46251
sand silber	3000	2050	40.9	Ø 142	Ø 125 mm	151	42259
frosted glass							42250

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	90 - 295	600	35 - 42	21 - 25.2	174.5 x 30.5 x 25	- 20 - +50	85980
Dimmable phase alignment	90 - 295	600	30 - 42	18 - 25.2	85 x 63 x 33	- 20 - +50	85985
Dimmable DALI	100 - 240 V AC	600	3 - 48	28	210 x 50 x 32	- 20 - +50	80790



CALA 41 W LED recessed downlight

CITIZEN COB LED, with protective glass, IP43

- for indoor use
- housing in diecast aluminium, reflector, front ring and cooling body in aluminium, with clear protective glass IP43
- light colour: 3000 K
- power: 41 W
- current: 1000 mA
- beam angle: 60°
- colour rendering: CRI 80
- lifespan L70: ≥ 60,000 hours
- **no constant current converter included - please order separately (see below)**


42411


42417

IP43 series connection RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Colour Outer ring	Light colour K	Light flux lm	Forwards voltage V DC	Outer Diameter mm		Depth mm	Article no.
sand white	3000	3023	40.9	Ø 210	Ø 185 mm	185	42411
sand grey	3000	3023	40.9	Ø 210	Ø 185 mm	185	42417
sand silber	3000	3023	40.9	Ø 210	Ø 185 mm	185	42419
frosted glass							42410

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	90 - 305	1000	34 - 48	34 - 48	163 x 45 x 33	- 30 - +50	85990
Dimmable DALI	100 - 240	1000	3 - 48	48	210 x 50 x 32	- 20 - +50	80790



GLIN 20 W COB LED recessed downlight

movable, with protective glass, IP40

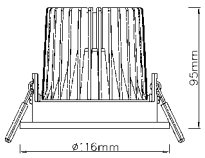
NEW

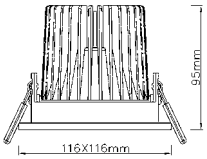
- for indoor use
- diecast aluminium with glass protective screen
- light colour: 3000 K (±100 K)
- power: 20 Watt
- current: 500 mA
- beam angle: 24°
- temperature range: -20° bis +50°C
- colour rendering: CRI 80
- lifespan L70: >= 50,000 hours
- **no constant current converter included - please order separately (see below)**

ALU58801WWOK



ALU58811WWOK





series connection

= Ø 105 mm
Depth = 110 mm

Energy efficiency class A+

ORDERING INFORMATION



Type	Light colour K	Current mA	Light flux lm	Outer Diameter mm	Article no. white	Article no. sandsilber
circular 20 W	3000	500	1968	Ø 116	ALU58801WWOK	ALU58809WWOK
square 20 W	3000	500	1968	116 x 116	ALU58811WWOK	ALU58819WWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Dimmable DALI	100 - 240 V AC	600	3 - 48	28	210 x 50 x 32	- 20 - +50	80790



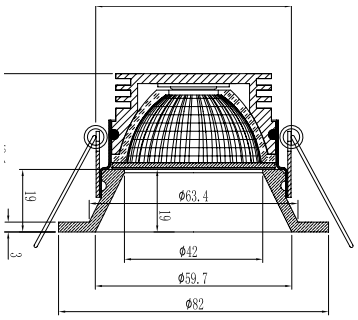
HYELLE 8 W COB LED-glass recessed downlight NEW

fixed, with protective glass, IP20



ALU57850

- for indoor use
- front ring: thick glass, heat sink: diecast aluminium
- light colour: 2700 K, 3000 K und 4000 K (±100 K)
- power: 8 Watt
- current: 350 mA
- beam angle: 35°
- temperature range: -20° bis +50°C
- colour rendering: CRI 80
- lifespan L70: >= 33,000 hours
- **no constant current converter included - please order separately (see below)**





ALU57851

series connection

RoHS

REACH

Energy efficiency class A+

ORDERING INFORMATION

Type	Light colour K	Current mA	Light flux lm	Outer Diameter mm		Depth mm	Article no. white-matt	Article no. marmor
8 Watt	2700	350	600	82	Ø 68 mm	60	ALU57850UWWOK	ALU57851UWWOK
8 Watt	3000	350	638	82	Ø 68 mm	60	ALU57850WWOK	ALU57851WWOK
8 Watt	4000	350	682	82	Ø 68 mm	60	ALU57850NWOK	ALU57851NWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	350	3 - 36	1 - 8	69.5 x 35 x 23	- 10 - +40	85442
Dimmable phase alignment	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445
Dimmable DALI	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	80799



GLAW 7 W COB LED recessed downlight

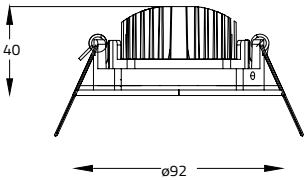
rotating and movable, with protective glass, IP40

NEW

- for indoor use
- diecast aluminium (protective screen glass)
- light colour: 2700 K und 3000 K (±100 K)
- power: 7 Watt
- current: 350 mA
- beam angle: 38°
- temperature range: -20° bis +40°C
- colour rendering: CRI 80
- lifespan L70: >= 33,000 hours
- **no constant current converter included - please order separately (see below)**



R57361UWWOK



series connection

Energy efficiency class A+

ORDERING INFORMATION




Type	Light colour K	Light flux lm	Outer diameter mm		Depth mm	Article no. white	Article no. brushed iron
circular 7 W	2700	650	92	Ø 80 mm	50	R57361UWWOK	R57365UWWOK
circular 7 W	3000	662	92	Ø 80 mm	50	R57361WWOK	R57365WWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	350	3 - 36	1 - 8	69.5 x 35 x 23	- 10 - +40	85442
Dimmable phase alignment	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445
Dimmable DALI	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	80799



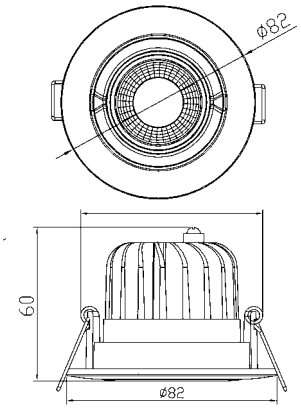
Diecast aluminium-focusable

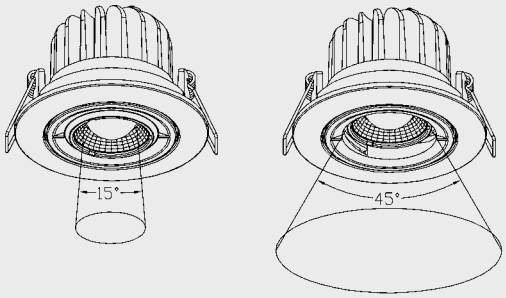


6.9 W COB LED recessed downlight, focusable

EPISTAR, movable

- for indoor use
- diecast aluminium
- light colour: 4000 K (± 100 K) und 2700 K (± 100 K)
- power: 6.9 W
- current: 700 mA
- beam angle: focusable from 15 to 45°
- colour rendering: CRI 80
- lifespan L70: ≥ 42,000 hours
- **no constant current converter included - please order separately (see below)**





series connection

Energy efficiency class A+

ORDERING INFORMATION



Light colour K	Light flux lm	Outer diameter mm		Depth mm	Article no. white	Article no. black	Article no. brushed iron
4000	460-660	82	Ø 68 mm	70	ALU58481NWOK	ALU58482NWOK	ALU58485NWOK
2700	380-570	82	Ø 68 mm	70	ALU58481UWWOK	ALU58482UWWOK	ALU58485UWWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	700	3 - 34	3 - 18	141 x 45 x 26	- 20 - +40	85430
Dimmable DALI	100 - 240	700	-	33	210 x 50 x 32	- 20 - +50	80790

Dim To Warm

Modules · Downlights · Technical Solutions



rutec



TALU COMPACT

Dim To Warm

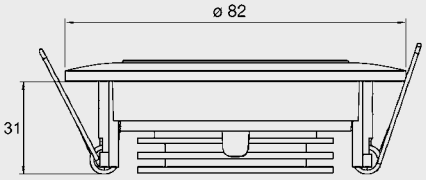


ALU57355DTWOK

TALU 7 W COB LED recessed downlight - Dim To Warm

SHARP DTW, movable, 40 mm depth, IP20

- for indoor use
- diecast aluminium, glass reflector, protective glass
- light colour: 2800 -2200 K
- power: 7 W
- current: 350 mA
- beam angle: 40°
- colour rendering: CRI 80
- lifespan L70: ≥ 39,000 hours
- **no constant current converter included - please order separately (see below)**



series connection

= Ø 68 mm
Depth = 40 mm

Energy efficiency class A+

ORDERING INFORMATION



Type	Light colour K	Light flux lm	Article no. white	Article no. black	Article no. gold	Article no. chrome	Article no. brushed iron	Article no. old brass	Article no. chrome matt
circular	2800 -2200	580	ALU57351DTWOK	ALU57352DTWOK	ALU57353DTWOK	ALU57354DTWOK	ALU57355DTWOK	ALU57356DTWOK	ALU57359DTWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V AC	Power Watt	Dimension mm	Temperature range °C	Article no.
Dimmable phase alignment	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445



TALU COMPACT

Foto: alexandre zveiger@fotolia.com



ALU57379

TALU 8 W COB LED recessed downlight

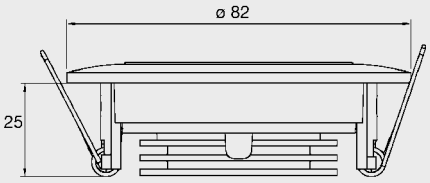
EPISTAR, movable, 35 mm depth, IP20

- for indoor use
- diecast aluminium, glass reflector
- light colour: 3000 K (± 100 K) und 2700 K (± 100 K)
- power: 8 W
- current: 350 mA
- beam angle: 35°
- colour rendering: CRI 80
- lifespan L70: ≥ 33,000 hours
- variations: without converter, with converter and with dimmable phase alignment converter



ALU57371

= Ø 68 mm
Depth = 35 mm



Energy efficiency class A++

ORDERING INFORMATION



Type Converter	Light colour K	Light flux lm	Article no. white	Article no. black	Article no. gold	Article no. chrome	Article no. brushed iron	Article no. old brass	Article no. chrome matt
without*	3000	1130	ALU57371WWOK	ALU57372WWOK	ALU57373WWOK	ALU57374WWOK	ALU57375WWOK	ALU57376WWOK	ALU57379WWOK
without*	2700	960	ALU57371UWWOK	-	-	ALU57374UWWOK	ALU57375UWWOK	-	ALU57379UWWOK
with	2700	960	-	-	-	ALU57374UWW	ALU57375UWW	-	-
dimmable	3000	1130	ALU57371WWD	ALU57372WWD	ALU57373WWD	ALU57374WWD	ALU57375WWD	-	ALU57379WWD
dimmable	2700	960	ALU57371UWWD	-	-	ALU57374UWWD	ALU57375UWWD	-	ALU57379UWWD
Spacer vapour barrier depth 40 mm									54999

*** You can find matching converters on page 426.**



TALU COMPACT

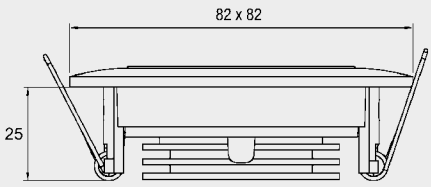
TALU 8 W COB LED recessed downlight

EPISTAR, movable, 35 mm depth, IP20

- for indoor use
- diecast aluminium, glass reflector
- light colour: 2700 K (± 100 K)
- power: 8 W
- current: 350 mA
- beam angle: 35°
- colour rendering: CRI 80
- lifespan L70: ≥ 33,000 hours
- variations: without converter, with converter and with dimmable phase alignment converter



ALU53475



= Ø 68 mm
Depth = 35 mm

Energy efficiency class A++

ORDERING INFORMATION

Type Converter	Light colour K	Light flux lm	Article no. white	Article no. chrome	Article no. brushed iron	Article no. chrome matt
without*	2700	960	ALU53471UWWOK	ALU53474UWWOK	ALU53475UWWOK	ALU53479UWWOK
with	2700	960	ALU53471UWW	ALU53474UWW	ALU53475UWW	ALU53479UWW
dimmable	2700	960	AL9U53471UWWD	ALU53474UWWD	ALU53475UWWD	ALU53479UWWD
Spacer vapour barrier depth 40 mm						54999

*** You can find matching converters on page 426.**



TALU COMPACT

TALU 8 W COB LED recessed downlight

EPISTAR, movable, with protective glass, CRI 90, 40 mm depth, IP20

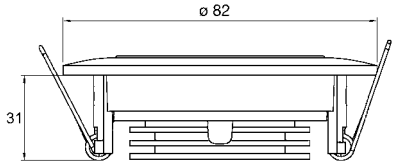
- for indoor use
- diecast aluminium, glass reflector, protective glass
- light colour: 4000 K (± 100 K), 3000 K (± 100 K) und 2700 K (± 100 K)
- power: 8 W
- current: 350 mA
- beam angle: 35°
- colour rendering: CRI 90
- lifespan L70: ≥ 33,000 hours
- variations: without converter and with dimmable phase alignment converter



ALU57355

54999





= Ø 68 mm
Depth = 40 mm

series connection

Energy efficiency class A+

ORDERING INFORMATION



Type Converter	Light colour K	Light flux lm	Article no. white	Article no. black	Article no. gold	Article no. chrome	Article no. brushed iron	Article no. old brass	Article no. chrome matt
without*	4000	840	ALU57351NWOK	-	-	-	ALU57355NWOK	-	-
without*	3000	733	ALU57351WWOK	-	-	-	ALU57355WWOK	-	-
without*	2700	670	ALU57351UWWOK	ALU57352UWWOK	ALU57353UWWOK	ALU57354UWWOK	ALU57355UWWOK	ALU57356UWWOK	ALU57359UWWOK
dimmable	4000	840	ALU57351NWD	-	-	-	ALU57355NWD	-	-
dimmable	3000	733	ALU57351WWD	-	-	-	ALU57355WWD	-	-
dimmable	2700	670	ALU57351UWWD	ALU57352UWWD	ALU57353UWWD	ALU57354UWWD	ALU57355UWWD	ALU57356UWWD	ALU57359UWWD
Spacer vapour barrier depth 45 mm									54999

*** You can find matching converters on page 426.**



Foto: RobertKneschke@fotolia.com

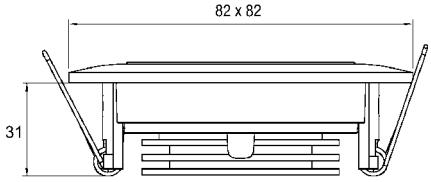
TALU 8 W COB LED recessed downlight

EPISTAR, movable, with protective glass, CRI 90, 40 mm depth, IP20

- for indoor use
- diecast aluminium, glass reflector, protective glass
- light colour: 4000 K (± 100 K), 3000 K (± 100 K) und 2700 K (± 100 K)
- power: 8 W
- current: 350 mA
- beam angle: 35°
- colour rendering: CRI 90
- lifespan L70: ≥ 33,000 hours
- variations: without converter and with dimmable phase alignment converter



ALU53395



= Ø 68 mm
Depth = 40 mm

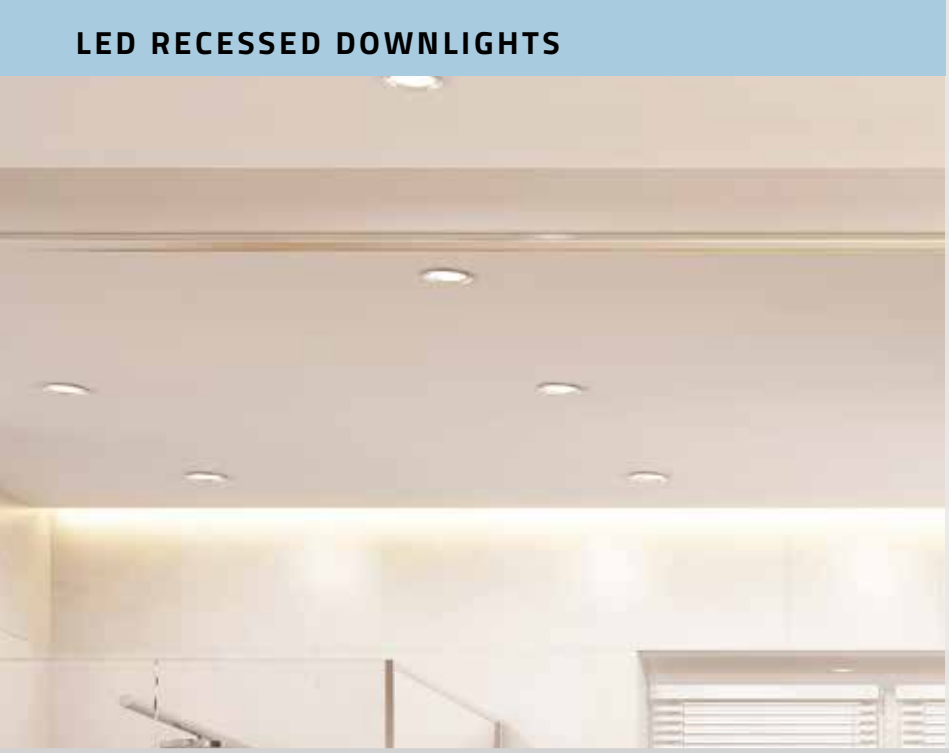
Energy efficiency class A+

ORDERING INFORMATION



Type Converter	Light colour K	Light flux lm	Article no. white	Article no. black	Article no. gold	Article no. chrome	Article no. brushed iron	Article no. old brass	Article no. chrome matt
without*	4000	840	ALU53391NWOK	-	-	-	ALU53395NWOK	-	-
without*	3000	733	ALU53391WWOK	-	-	-	ALU53395WWOK	-	-
without*	2700	670	ALU53391UWWOK	ALU53392UWWOK	ALU53393UWWOK	ALU53394UWWOK	ALU53395UWWOK	ALU53396UWWOK	ALU53399UWWOK
dimmable	4000	840	ALU53391NWD	-	-	-	ALU53395NWD	-	-
dimmable	3000	733	ALU53391WWD	-	-	-	ALU53395WWD	-	-
dimmable	2700	670	ALU53391UWWD	ALU53392UWWD	ALU53393UWWD	ALU53394UWWD	ALU53395UWWD	ALU53396UWWD	ALU53399UWWD
Spacer vapour barrier depth 45 mm									54999

*** You can find matching converters on page 426.**



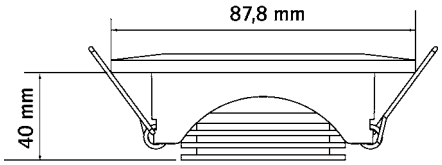
TALU COMPACT

for stretched ceilings



TALU 8 W COB for stretched ceilings
LED recessed downlight
EPISTAR, movable, with protective glass, CRI 90, 40 mm depth, IP20

- for indoor use
- diecast aluminium, glass reflector, protective glass
- light colour: 2700 K (± 100 K)
- power: 8 W
- current: 350 mA
- beam angle: 35°
- colour rendering: CRI 90
- lifespan L70: ≥ 33,000 hours
- **no constant current converter included - please order separately**



series connection

= Ø 68 mm
Depth = 40 mm

Energy efficiency class A+

ORDERING INFORMATION



Type Converter	Light colour K	Light flux lm	Article no. white	Article no. black	Article no. gold	Article no. chrome	Article no. brushed iron	Article no. chrome matt
ohne	2700	670	C57351UWWOK	C57352UWWOK	C57353UWWOK	C57354UWWOK	C57355UWWOK	C57359UWWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	350	3 - 36	1 - 8	69.5 x 35 x 23	- 10 - +40	85442
Dimmable phase alignment	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445
Dimmable DALI	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	80799



TALU POWER

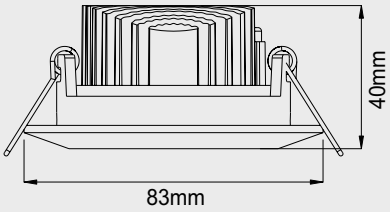


ALU58375

TALU 10 W COB LED recessed downlight

BRIDGELUX, movable, 45 mm depth, IP20

- for indoor use
- diecast aluminium, aluminium reflector
- light colour: 3000 K (± 100 K)
- power: 10 W
- current: 350 mA
- beam angle: 40°
- colour rendering: CRI 80 und CRI 90 (see below)
- lifespan L70: ≥ 50,000 hours
- variations: without converter, with converter and with dimmable phase cut converter



CRI 80: Energy efficiency class A++

CRI 90: Energy efficiency class A+

= Ø 68 mm
Depth = 45 mm

ORDERING INFORMATION



Type Converter	CRI	Light flux lm	Article no. white	Article no. black	Article no. gold	Article no. chrome	Article no. brushed iron	Article no. old brass	Article no. chrome matt
without*	80	1180	ALU58371WWOK	ALU58372WWOK	ALU58373WWOK	ALU58374WWOK	ALU58375WWOK	ALU58376WWOK	ALU58379WWOK
with	80	1180	-	ALU58372WW	ALU58373WW	-	ALU58375WW	ALU58376WW	-
dimmable	80	1180	ALU58371WWD	ALU58372WWD	ALU58373WWD	ALU58374WWD	ALU58375WWD	ALU58376WWD	ALU58379WWD
without*	90	860	ALU58271WWOK	-	-	-	ALU58275WWOK	-	-
with	90	860	ALU58271WW	-	-	-	ALU58275WW	-	-
dimmable	90	860	ALU58271WWD	-	-	-	ALU58275WWD	-	-

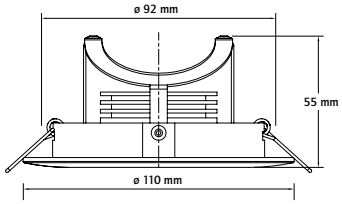
*** You can find matching converters on page 426.**

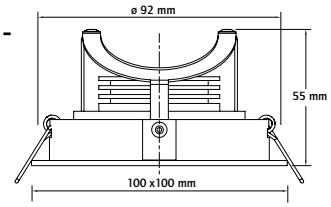


RINCA 8 W COB LED recessed downlight kardanic

EPISTAR, rotating and movable, CRI 90, IP20

- for indoor use
- diecast aluminium, glass reflector, protective glass, reaward cardanic mounting-steel
- light colour: 2700 K (± 100 K)
- power: 8 W
- current: 350 mA
- beam angle: 35°
- colour rendering: CRI 90
- 40° movable and 360° rotating
- lifespan L70: ≥ 33,000 hours
- **no LED constant current converter included - please order separatly (see below)**





ALU57685UWWOK



ALU57675UWWOK

series connection

Energy efficiency class A+

ORDERING INFORMATION



Type	Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no. white	Article no. brushed iron	Article no. chrome matt
circular	2700	694	Ø 110	Ø 92 mm	55	ALU57681UWWOK	ALU57685UWWOK	ALU57689UWWOK
square	2700	694	100 x 100	Ø 92 mm	55	ALU57671UWWOK	ALU57675UWWOK	ALU57679UWWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	350	3 - 36	1 - 8	69.5 x 35 x 23	- 10 - +40	85442
Dimmable phase alignment	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445
Dimmable DALI	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	80799

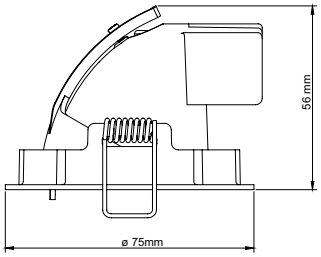


LED55791WWOK

RINCA 6.9 W COB LED recessed downlight

rotating and movable, extendible, CRI 90, IP20

- for indoor use
- diecast aluminium with plastic protective glass
- light colour: 3000 K
- power: 6.9 W
- current: 350 mA
- beam angle: 24°
- colour rendering: CRI 90
- 55° extendible and 355° rotating
- lifespan L70: ≥ 30,000 hours
- **no LED constant current converter included - please order separatly (see below)**





LED55795WWOK

Energy efficiency class A++

ORDERING INFORMATION



Type	Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no. white	Article no. black	Article no. black/brushed iron
circular	3000	709	Ø 75	Ø 68 mm	60	LED55791WWOK	LED55792WWOK	LED55795WWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	350	3 - 36	1 - 8	69.5 x 35 x 23	- 10 - +40	85442
Dimmable phase alignment	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445
Dimmable DALI	230	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	80799

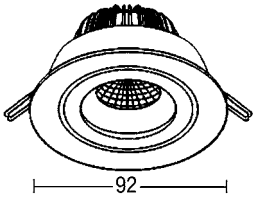


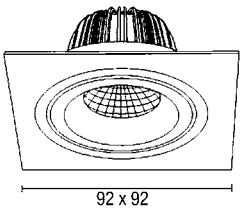
Foto: Robert Kneschke@fotolia.com

Melimar 6 W COB LED recessed downlight

CITIZEN COB LED, movable, IP20

- for indoor use
- solid Aluminium
- light colour: 3000 K
- power: 6 W
- current: 600 mA
- beam angle: 35°
- colour rendering: CRI 80
- lifespan L70: ≥ 60,000 hours
- **no LED constant current converter 600 mA included - please order separately**







LED57540WWOK



LED57541WWOK

series connection

RoHS

REACH

Energy efficiency class A+

ORDERING INFORMATION

Type	Colour	Light colour K	Light flux lm	Forwards voltage V DC	Outer Diameter mm		Depth mm	Article no.
circular	brushed aluminium	3000	568	10.2	Ø 92	Ø 80 mm	80	LED57540WWOK
square	brushed aluminium	3000	568	10.2	92 x 92	Ø 80 mm	80	LED57541WWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	90 - 295	600	3 - 11	1.8 - 6.6	57 x 40.8 x 24	- 20 - +40	85950
Dimmable phase alignment	90 - 295	600	8 - 12	4.8 - 7.2	66 x 27	- 20 - +50	85955
Dimmable DALI	100 - 240	600	3 - 48	28	210 x 50 x 32	- 20 - +50	80790



Melimar 3.7 W COB LED recessed downlight

SHARP, movable, 45 mm depth, IP20

- for indoor use
- diecast aluminium, aluminium reflector, with protective glass
- light colour: 3000 K (± 100 K)
- power: 3.7 W
- current: 350 mA
- beam angle: 27°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **no LED constant current converter 350 mA included - please order separately**

LED57500WWOK



LED57505WWOK

series connection

Energy efficiency class A++

ORDERING INFORMATION

Type	Colour	Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no.
circular	brushed aluminium	3000	350	Ø 70	Ø 60 mm	45	LED57500WWOK
square	brushed aluminium	3000	350	70 x 70	Ø 60 mm	45	LED57505WWOK

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	350	3 - 36	1 - 8	69.5 x 35 x 23	- 10 - +40	85442
Dimmable DALI	100 - 240	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790





QILE 23.55 W RGBW LED recessed downlight

SMD LED, with frosted plastic protective screen, IP40

- for indoor use
- diecast aluminium, PVC diffuser white
- light colour: 3000 K + RGB
- power: 23.55 W (red 4.45 W, green 6.26 W, blue 6.5 W, white 6.33 W)
- current: 350 mA
- beam angle: 110°
- lifespan L70: ≥ 33,000 hours
- **no power supplies included - please order separately**

series connection

Energy efficiency class A+

ORDERING INFORMATION

Converter	Colour	Light colour K	Light flux lm	Outer diameter mm		Depth mm	Article no.
without	white	3000 + RGB	966	Ø 121	Ø 105 mm	96	45101
without	brushed iron	3000 + RGB	966	Ø 121	Ø 105 mm	96	45105
without	chrome matt	3000 + RGB	966	Ø 121	Ø 105 mm	96	45109

Type	Input V DC	Output DC mA	Power Watt	Dimension mm	Temperature range °C	Article no.
DMX-actuator	24	4 x 350	4 x 8.4 W (24 V)	46 x 178 x 18	- 20 - +50	80290
KNX-Driver	24	4 x 350	4 x 8.4 W (24 V)	46 x 178 x 18	- 20 - +50	80110
DALI-actuator	24	4 x 350	4 x 8.4 W (24 V)	46 x 178 x 18	- 20 - +50	80730

Not including power supply 24 V. Please order separate (for example 85475).


ANGEL

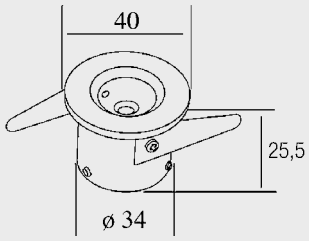


Melimar 3.2 W COB LED light point
fixed, IP40

- for indoor use
- Solid Aluminium
- light colour: 3000 K
- power: 3.2 W
- current: 350 mA
- colour rendering: CRI 80
- lifespan L70: ≥ 42,000 hours
- **no LED constant current converter 350 mA included - please order separately**



LED56980WW



series connection

Energy efficiency class A++

ORDERING INFORMATION

Type	Light colour K	Light flux lm	Outer diameter mm		Depth mm	Article no.
Aluminium	3000	325	Ø 40	Ø 34 mm	33	LED56980WW

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240 V AC	350	7 - 14	2 - 4	42 x 29.5 x 24	- 20 - +40	85440
Dimmable phase alignment*	230 V AC	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445
Dimmable KNX	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790

*** Connection of at least 2. article no. LED56980**



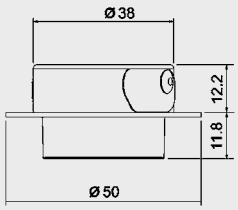
Melimar 1 W Minitube LED light point

fixed. with acrylic decorative glass element. IP40

- for indoor use
- Solid aluminium with acrylic decorative glass element
- light colour: 3100 K und 4100 K
- power: 1 W
- current: 350 mA
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **no LED constant current converter 350 mA included - please order separately**



LED57989



series connection

Energy efficiency class A+

ORDERING INFORMATION

Type	Light colour K	Light flux lm	Outer diameter mm		Depth mm	Article no.
Minitube - chrome matt	4100	70	Ø 50	Ø 40 mm	20	LED57989W
Minitube - chrome matt	3100	50	Ø 50	Ø 40 mm	20	LED57989WW

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240 V AC	350	3 - 8	1 - 2	42 x 29.5 x 24	- 20 - +40	85439
Dimmable KNX	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790

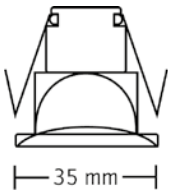
Diecast aluminium



1 W COB LED light point

CREE XR-E. fixed. IP40

- for indoor use
- housing: Diecast aluminium. heatsink: aluminium
- light colour: 2800 K (± 150 K)
- power: 1 W
- current: 350 mA
- Light flux 68 lumen
- beam angle: 40°
- colour rendering: CRI 80
- lifespan L70: ≥ 50,000 hours
- **no LED constant current converter 350 mA included - please order separately**





LED55981

series connection

Energy efficiency class A+

ORDERING INFORMATION

										
	Depth mm	Article no. white	Article no. black	Article no. gold	Article no. chrome	Article no. brushed iron	Article no. old brass	Article no. graphit	Article no. gold matt	Article no. chrome matt
Ø 26 mm	38	LED55981	-	-	LED55984	LED55985	-	-	-	LED55989

Matching control gear - please order separately.

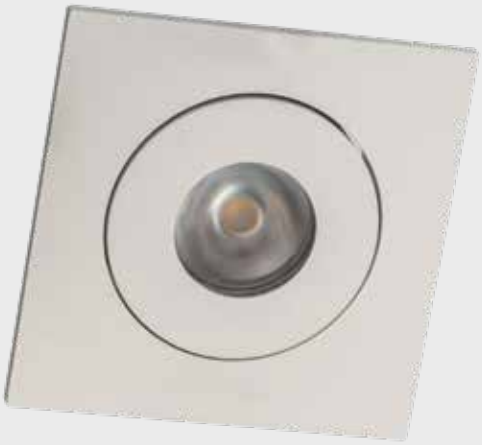
Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter for LED57990	100 - 240 V AC	350	3 - 8	1 - 2	42 x 29.5 x 24	- 20 - +40	85439
Dimmable 1 - 10 V	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790

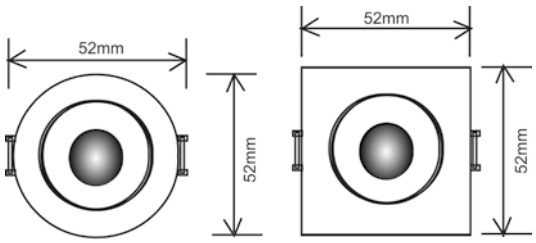


1 W COB LED light point
movable. IP20

- for indoor use
- diecast aluminium
- light colour: 3000 K (±150 K)
- power: 1 W
- current: 350 mA
- beam angle: 20°
- colour rendering: CRI 80
- lifespan L70: ≥ 36,000 hours
- **no LED constant current converter 350 mA included - please order separately**







series connection

Energy efficiency class A++

ORDERING INFORMATION

Type	Colour	Light colour K	Light flux lm	Outer diameter mm		Depth mm	Article no.
circular	sandwhite	3000	126	Ø 52	Ø 44 mm	28	LED57861WW
square	sandwhite	3000	126	52 x 52	Ø 44 mm	28	LED57871WW

Matching control gear - please order separately.

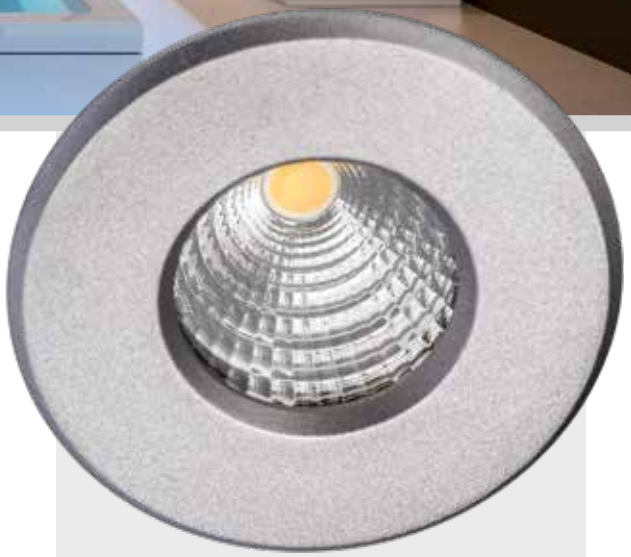
Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter for LED57990	100 - 240 V AC	350	3 - 8	1 - 2	42 x 29.5 x 24	- 20 - +40	85439
Dimmable 1 - 10 V	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



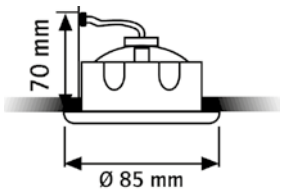
6.5 W COB LED recessed downlight

Epistar, fixed, with protective glass, IP44

- for indoor use - also use in damp rooms
- protection class IP44 - when fitted in enclosed ceilings
- visible panel: diecast aluminium,
  housing: heet steel (black), leaf springs
- light colour: 2700 K (± 100 K)
- power: 6.5 W
- current: 350 mA
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **no LED constant current converter 350 mA included - please order separately**



R57889UWWOK



IP44 series connection RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION



Type	Light flux lm		Depth mm	Article no. white	Article no. chrome	Article no. brushed iron	Article no. chrome matt
circular	463	Ø 72 mm	100	R57881UWWOK	R57884UWWOK	R57885UWWOK	R57889UWWOK

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240 V AC	350	10 - 54	3 - 16	141 x 45 x 26	- 20 - +60	85443
Dimmable 1 - 10 V	24 V DC	350	-	max. 4 x 8.4	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	24 V DC	350	-	max. 4 x 8.4	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



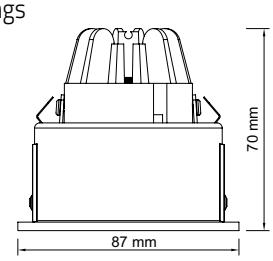


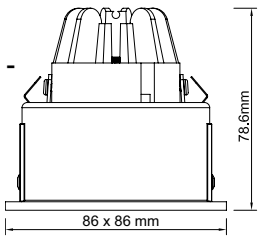
R57945UWWOK

6.5 W COB LED recessed downlight

Epistar, fixed, with protective glass, glare-free, IP44

- for indoor use - also use in damp rooms
- protection class IP44 - when fitted in enclosed ceilings
- visible panel: diecast aluminium,
  housing: heet steel (black), leaf springs
- light colour: 2700 K (± 100 K)
- power: 6.5 W
- current: 350 mA
- beam angle: 30°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **no LED constant current converter 350 mA included - please order separately**







R57911UWWOK

IP44 series connection RoHS REACH

Energy efficiency class A

ORDERING INFORMATION



Type	Light flux lm	Light colour K		Depth mm	Article no. white	Article no. brushed iron
square	280	2700	Ø 78 mm	85	R57911UWWOK	R57915UWWOK
circular	416	2700	Ø 78 mm	80	R57941UWWOK	R57945UWWOK

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240 V AC	350	10 - 54	3 - 16	141 x 45 x 26	- 20 - +60	85443
Dimmable 1 - 10 V	24 V DC	350	-	max. 4 x 8.4	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	24 V DC	350	-	max. 4 x 8.4	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



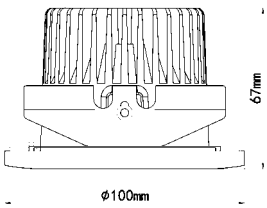
These frontrings must be ordered separately

Ring	Colour RAL	Material	Article no.
	red 3000	Alu Diecast	57050
	yellow 1018	Alu Diecast	57051
	blue 5010	Alu Diecast	57052
	green 6029	Alu Diecast	57053
	gold	Alu Diecast	57054
	SU316 HP	stainless steel	57055
	copper	copper	57056
	chrome	Alu Diecast	57057
	brown 8011	Alu Diecast	57058
	chrome matt	Alu Diecast	57059
	pure gold 24K	gold	57060
	violett 4006	Alu Diecast	57061
	orange 2003	Alu Diecast	57062

CALINA 13 W COB LED recessed downlight

Luminus, fixed, high-powered recessed downlight, with protective glass, changeable front ring, IP54

- for indoor use - also use in damp rooms
- protection class IP54 - when fitted in enclosed ceilings
- diecast aluminium, aluminium reflector, protective glass, steel springs
- light colour: 2700 K (± 100 K)
- power: 13 W
- current: 350 mA
- beam angle: 35°
- colour rendering: CRI 90
- lifespan L70: ≥ 72,000 hours
- **no constant current converter included - please order separatly**



Energy efficiency class A+

IP54 series connection RoHS REACH

ORDERING INFORMATION




Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no. white	Article no. brushed iron
2700	1000	Ø 100	Ø 81 mm	70	R57891UWWOK	R57895UWWOK

Matching control gear - please order separately.

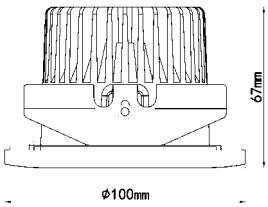
Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	350	10 - 54	3 - 16	141 x 45 x 26	- 20 - +60	85443
Dimmable DALI	100 - 240	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



CALINA 13 W COB LED recessed downlight - Dim To Warm

SHARP DTW, fixed, high-powered recessed downlight, with protective glass, changeable front ring, IP54

- for indoor use - also use in damp rooms
- protection class IP54 - when fitted in enclosed ceilings
- diecast aluminium, aluminium reflector, protective glass, steel springs
- light colour: 3000 K bis 2000 K (in dimming process the light colour will turn warmer)
- power: 13 W
- current: 350 mA
- light flux: 546 lumen
- beam angle: 38°
- colour rendering: CRI 90
- lifespan L70: ≥ 50,000 hours
- **no constant current converter included - please order separatly**





IP54 series connection RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION




Light colour K	Light flux lm	Outer Diameter mm		Depth mm	Article no. white	Article no. brushed iron
3000 - 2000	546	Ø 100	Ø 81 mm	70	R57891DTWOK	R57895DTWOK

Matching control gear - please order separately.

Input	Output mA	Output V DC	Power Watt	Housing	Dimension mm	Tol.	PF	Effizienz	TA	TC	Temperature range °C	Article no.
230 V AC	350	30 - 48	10.5 - 16.8	plastic	85 x 54 x 32.5	± 6 %	> 0.85	80 %	40°C	70°C	- 20 - +70	85975



R57564HPWWOK

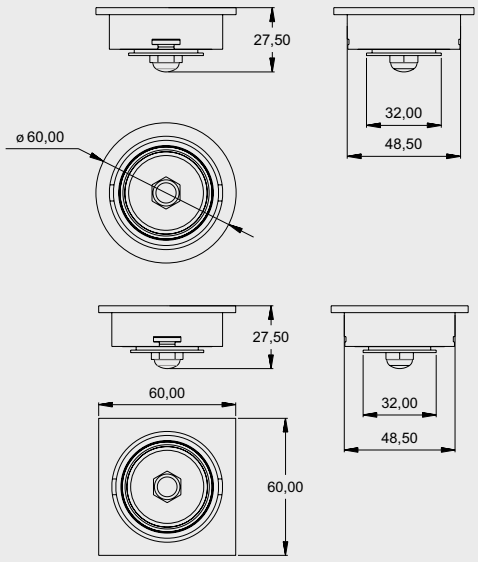


R57563HPWWOK

TULKA 1 W LED light point 316

movable, IP65

- for indoor and outdoor use
- protection class IP65 - when fitted in enclosed ceilings
- 316 stainless steel
- light colour: 3000 K (± 200 K)
- power: 1 W
- current: 350 mA
- light flux: 118 lumen
- beam angle: 40°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- if cherish carefully - suitable for seaside
- **no LED constant current converter 350 mA included - please order separately**



IP65 series connection RoHS REACH

Energy efficiency class A++

ORDERING INFORMATION

Type	Light colour K	Outer Diameter mm		Depth mm	Article no. 316-High Polish
circular	3000	Ø 60	Ø 50 mm	35	R57564HPWWOK
square	3000	60 x 60	Ø 50 mm	35	R57563HPWWOK

Stainless steel surfaces need regular care. Please do not use acid cleaning products. We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240 V AC	350	3 - 8	1 - 2	42 x 29.5 x 24	- 20 - +40	85439
Dimmable 1 - 10 V	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	12 - 24 V DC	350	-	4 x 4.2 (12 V), 8.4 (24 V)	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



R5769V4AUWWOK



TULKA 8 W COB LED recessed downlight 316

EPISTAR, fixed, with protective glass, IP55

- for indoor and outdoor use
- protection class IP55 - when fitted in enclosed ceilings
- 316 stainless steel, glass reflector, protective glass
- light colour: 2700 K (± 100 K)
- power: 8 W
- current: 350 mA
- light flux: 840 lumen
- beam angle: 35°
- colour rendering: CRI 80
- lifespan L70: ≥ 33,000 hours
- **no LED constant current converter 350 mA included - please order separately**



R5766V4AUWWOK

Stainless steel surfaces need regular care. Please do not use acid cleaning products. We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

IP55 series connection RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION





Type	Light colour K	Outer Diameter mm		Depth mm	Article no. 316 - High Polish	Article no. 316 - stainless steel	Article no. white
circular	2700	Ø 82	Ø 68 mm	55	R5769HPUWWOK	R5769316UWWOK	R57691UWWOK
square	2700	82 x 82	Ø 68 mm	55	R5766HPUWWOK	R5766316UWWOK	R57661UWWOK

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240 V AC	350	10 - 54	3 - 16	141 x 45 x 26	- 20 - +60	85443
Dimmable phase alignment*	230 V AC	350	17 - 23	6 - 8	Ø 58 x 27	- 20 - +50	85445
Dimmable 1 - 10 V	24 V DC	350	-	max. 4 x 8.4	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	24 V DC	350	-	max. 4 x 8.4	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790
Dimmable DALI	200 - 240 V AC	350	3 - 23	max. 8	Ø 58 x 28	- 20 - +50	80799



Melimar surface mounted downlight

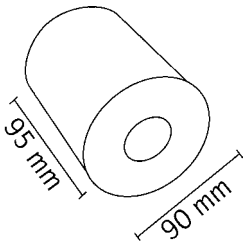


Foto: 3darcastudio@fotolia.com

Melimar 6 W LED surface mounted downlight

CITIZEN COB LED, movable, IP20

- for indoor use
- diecast aluminium
- current: 230 V
- beam angle: 35°
- colour rendering: CRI 80
- lifespan L70: ≥ 36,000 hours
- **LED constant current converter included**

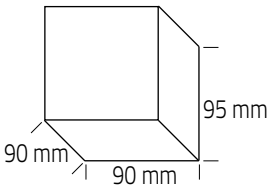




LED57510WW



LED57520WW



Energy efficiency class A+

ORDERING INFORMATION

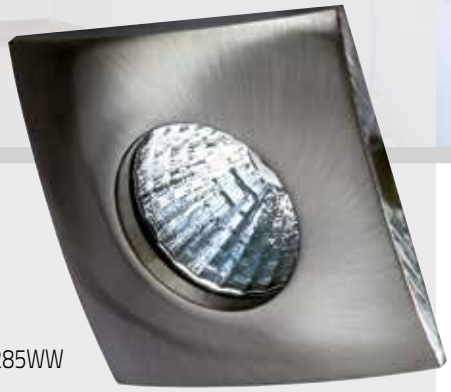
Type	Colour	Light colour K	Light flux lm	Article no.
surface mounted downlight, circular	white	3000	550	LED57510WW
surface mounted downlight, square	white	3000	550	LED57520WW



LED Furniture recessed downlight



LED55271WW

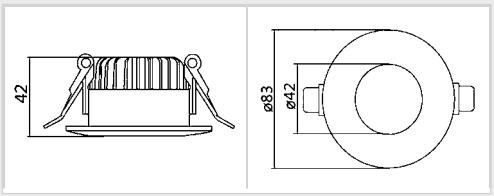


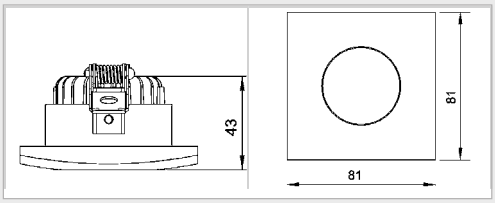
LED55285WW

4.2 W LED furniture recessed downlight

SMD, fixed, IP54

- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms
- protection class IP54 - when fitted in enclosed ceilings
- housing and heatsink Diecast aluminium
- power: 4.2 W
- with 30 cm cable, tension-relieved and wire end ferrules
- light colour: 3000 K (± 150 K)
- current: 700 mA
- beam angle: 30°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **no constant current converter included - please order separately**





Energy efficiency class A

ORDERING INFORMATION

Type	Light flux lm		Depth mm	Article no. white	Article no. brushed iron
circular	260	Ø 70 mm	50	LED55271WW	-
square	260	Ø 70 mm	50	LED55281WW	LED55285WW

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240	700	3 - 34	3 - 18	141 x 45 x 26	- 20 - +60	85430
Dimmable phase alignment*	230	700	12 - 18	6 - 12	Ø 66 x 27	- 20 - +50	85434
Dimmable DALI	100 - 240	700	3 - 48	33	210 x 50 x 32	- 20 - +50	80790

***Connection of at least 2**



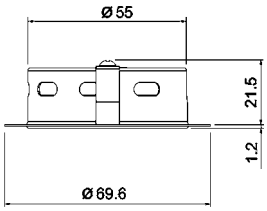


LARA 2.8 W LED furniture recessed downlight

SMD, fixed, IP40



- for indoor use
- steel
- 21 SMD LEDs
- light colour: 3000 K
- power: 2.8 W
- input: 12 V DC
- light flux: 200 lumen
- beam angle: 120°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- incl. 2 m connection cable and TOP plug
- **no LED ballast constant voltage 12 V DC included - please order separately**



Energy efficiency class A+

ORDERING INFORMATION



Type	Outer Diameter mm		Depth mm	Article no. white	Article no. gold	Article no. chrome	Article no. brushed iron
circular	Ø 70	Ø 60 mm	22	LED55011WW	LED55013 WW	LED55014 WW	LED55019WW

Accessories

Type	Article no.
LED feed cable 1.8 m + plug	59190
LED distributor 2 - fold	59191
LED distributor 6 - fold 150 mm cable	59192
LED distributor 9 - fold 150 mm cable	59193



LARA LED furniture recessed downlight
SMD, fixed, IP40

- for indoor use
- solid Aluminium
- ultra-flat installation depth-11.5 mm
- input: 12 V DC
- beam angle: 120°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- incl. 2 m connection cable and TOP plug
- **no LED ballast constant voltage 12 V DC included - please order separately**

Energy efficiency class A+

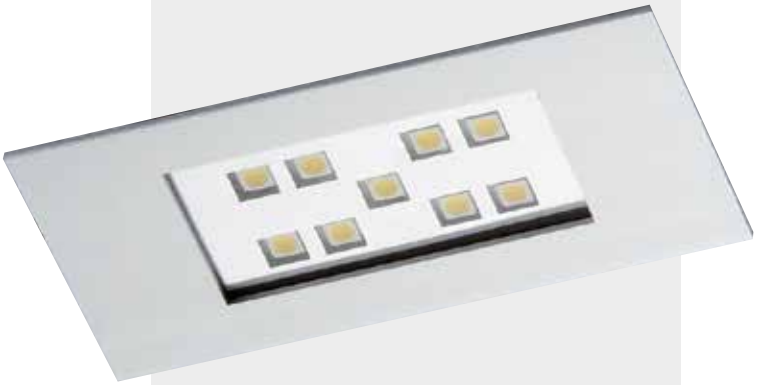
ORDERING INFORMATION

Type	Gehäusefarbe	Light colour K	Light flux lm	Power Watt		Depth mm	Article no.
LARA recessed downlight	brushed aluminium	3200	160	2.5	92 x 48 mm	11.5	LED53501WW
LARA 2 recessed downlight	brushed aluminium	3200	320	5	232 x 48 mm	11.5	LED53502WW
LARA 3 recessed downlight	brushed aluminium	3200	480	7.5	357 x 48 mm	11.5	LED53503WW

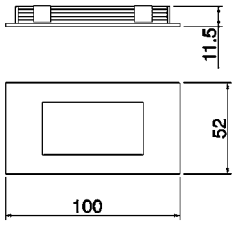
Accessories

Type	Article no.
LED feed cable 1.8 m + plug	59190
LED distributor 2 - fold	59191
LED distributor 6 - fold 150 mm cable	59192
LED distributor 9 - fold 150 mm cable	59193

LARA, 2.5 W
Article no. LED53501WW



- incl. 9 SMD LEDs
- power: 2.5 W

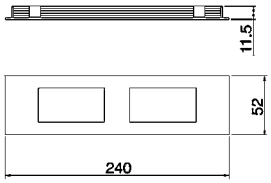


92 x 48 mm

LARA 2, 5 W
Article no. LED53502WW



- incl. 18 SMD LEDs
- power: 5 W

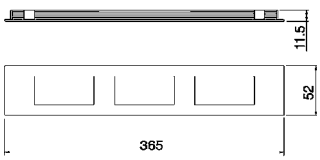


232 x 48 mm

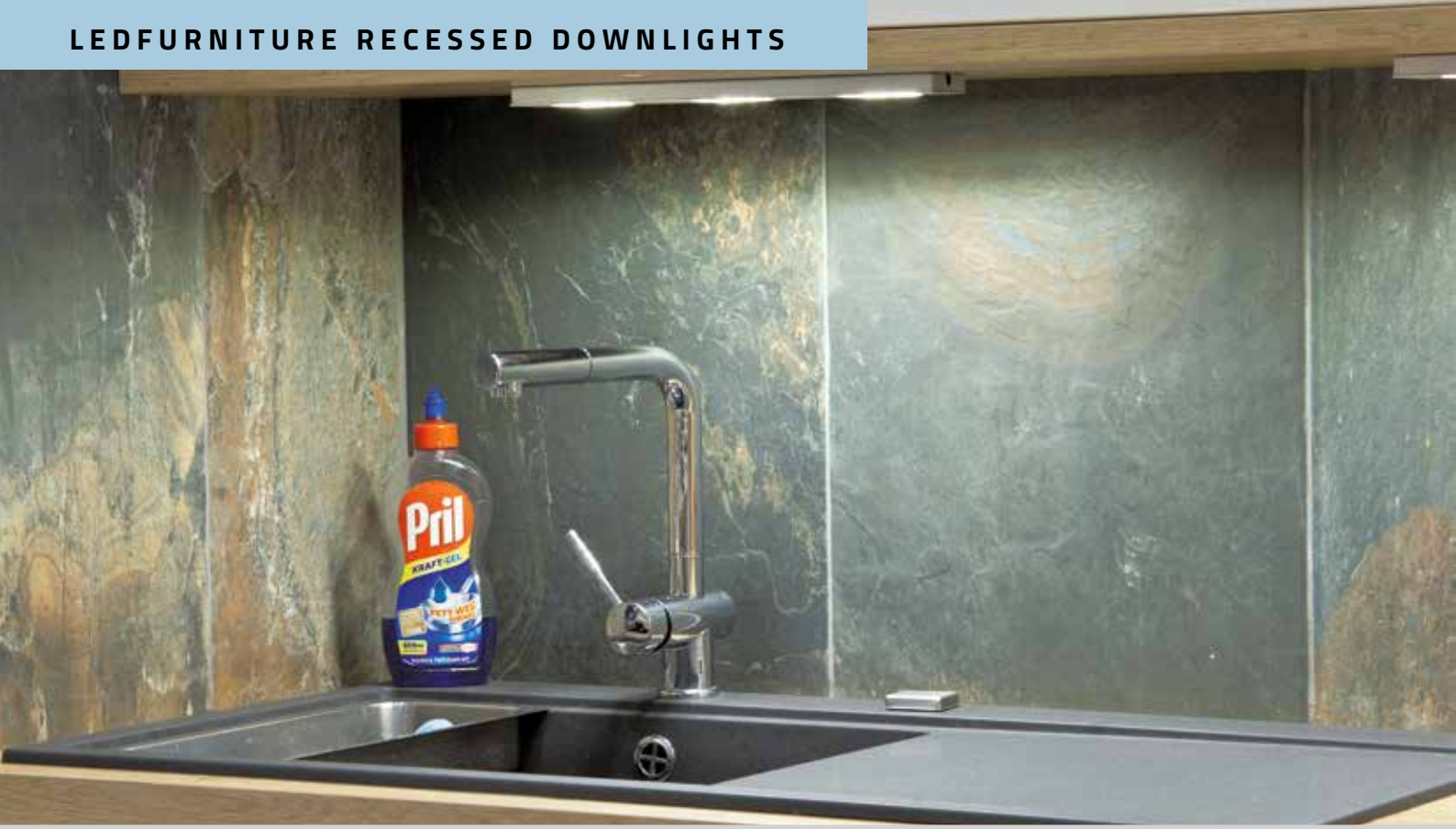
LARA 3, 7.5 W
Article no. LED53503WW



- incl. 27 SMD LEDs
- power: 7.5 W



357 x 48 mm



LARA LED furniture surface mount downlight
SMD, fixed, IP40

- for indoor use
- solid Aluminium
- ultra-flat, height 15 mm
- input: 12 V DC
- beam angle: 120°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- incl. 2 m connection cable and TOP plug
- **no LED ballast constant voltage 12 V DC included - please order separately**

Parallel RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION

Type	Gehäusefarbe	Light colour K	Light flux lm	Power Watt	Article no.
LARA S surface mounte downlight	brushed aluminium	3200	160	2.5	LED53501S
LARA 2S surface mounted downlight	brushed aluminium	3200	320	5	LED53502S
LARA 3S surface mounted downlight	brushed aluminium	3200	480	7.5	LED53503S

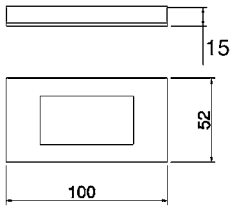
Accessories

Type	Article no.
LED feed cable 1.8 m + plug	59190
LED distributor 2 - fold	59191
LED distributor 6 - fold 150 mm cable	59192
LED distributor 9 - fold 150 mm cable	59193

LARA S, 2.5 W
Article no. LED53501S

- incl. 9 SMD LEDs
- power: 2.5 W

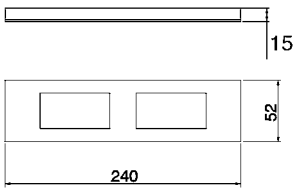




LARA 2S, 5 W
Article no. LED53502S

- incl. 18 SMD LEDs
- power: 5 W

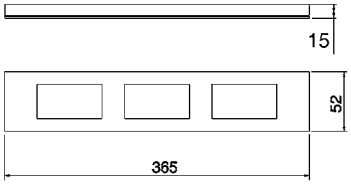




LARA 3S, 7.5 W
Article no. LED53503S

- incl. 27 SMD LEDs
- power: 7.5 W









LARA green house 2.5 W LED recessed downlight

OSRAM LCW, fixed, IP40

- for indoor use
- diecast aluminium
- light colour: 3000 K (± 200 K)
- power: 2.5 W
- current: 700 mA
- beam angle: 78°
- colour rendering: CRI 80
- lifespan L70: ≥ 36,000 hours
- with 150 mm cable and JST plug
- **no LED constant current converter 700 mA included - please order separately**

series connection

Energy efficiency class A+

ORDERING INFORMATION

Type	Housing colour	Light colour K	Light flux lm	Diameter front panel mm		Depth mm	Article no.
circular	white	3100	186	Ø 70	Ø 55 mm	13.5	LED55101WW
circular	brushed iron	3100	186	Ø 70	Ø 55 mm	13.5	LED55105WW
circular	chrome matt	3100	186	Ø 70	Ø 55 mm	13.5	LED55109WW

Matching control gear - please order separately.

Type	Input V AC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range	Article no.
Converter	100 - 240	700	3 - 5	3	42 x 29.5 x 21.5	- 20 - +40°C	85441
Dimmable phase alignment*	230	700	12 - 18	6 - 12	Ø 66 x 27	- 20 - +50°C	85434
Dimmable DALI	100 - 240 V AC	700	3 - 48	33	210 x 50 x 32	- 20 - +50°C	80790

***Connection of at least 2 converters**

Notweniges Accessories LARA Wintergarten

Type	Article no.
3 - fold JST distributor with 3 socket inputs and 150 mm cable in addition to 2 end loops with JST plug	59285



LARA 2.8 W LED recessed downlight, 316
SMD, fixed, IP55

- for indoor and outdoor use
- protection class IP55 - when fitted in enclosed ceilings
- stainless steel 316
- light colour: 3000 K (± 200 K)
- power: 2.8 W
- input: 12 V DC
- beam angle: 100°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- with 2 m cable
- **no LED constant current converter 700 mA included - please order separately**



LED5501-V4A

IP55

Energy efficiency class A

ORDERING INFORMATION

Stainless steel surfaces need regular care. Please do not use acid cleaning products. We recommend our article 55317(surface cleaner) and article 55316 (sponge) for cleaning.

Type	Housing colour	Light colour K	Light flux lm	Diameter front panel mm		Depth mm	Article no.
circular	316 geb.	3000	130	Ø 70	Ø 60 mm	22	LED5501-316





LARA 1 W LED wall recessed spotlight

for switch boxes, OSRAM LCW, IP40

- for indoor use
- diecast aluminium
- light colour: 3000 K (± 200 K)
- power: 1 W
- input: 230 V AC
- beam angle: 78°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **constant current converter included**

Energy efficiency class A++

ORDERING INFORMATION

Type	Housing colour	Light colour K	Light flux lm	Diameter front panel mm		Depth mm	Article no.
circular	white	3000	79	Ø 80	Ø 55 mm	45	58291WW
circular	brushed iron	3000	79	Ø 80	Ø 55 mm	45	58295WW
circular	chrome matt	3000	79	Ø 80	Ø 55 mm	45	58299WW





LARA 1 W LED wall recessed spotlight

for switch boxes, OSRAM LCW, IP40

- for indoor use
- diecast aluminium
- light colour: 3000 K (± 200 K)
- power: 1 W
- input: 230 V AC
- beam angle: 78°
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **constant current converter included**

Energy efficiency class A++

ORDERING INFORMATION

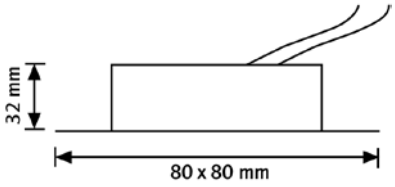
Type	Housing colour	Light colour K	Light flux lm	Diameter front panel mm		Depth mm	Article no.
square	white	3000	79	80 x 80	Ø 55 mm	45	58281WW
square	brushed iron	3000	79	80 x 80	Ø 55 mm	45	58285WW
square	chrome matt	3000	79	80 x 80	Ø 55 mm	45	58289WW



57210

Wall recessed spotlight 1 W Power-LED

- for indoor use
- diecast aluminium
- power: 1 W
- current: 350 mA
- colour rendering: CRI 70
- lifespan L70: ≥ 30,000 hours
- **no LED constant current converter 350 mA included - please order separately**



series connection

Energy efficiency class A

ORDERING INFORMATION

Colour	Light colour K	Light flux lm		Depth mm	Article no.
silver grey	6500	31	68 x 68 mm	32	57210W
silver grey	3000	29	68 x 68 mm	32	57210WW

Accessories	Article no.
Plastering housing	57156
Plastering frames	57154

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter for LED57990	100 - 240 V AC	350	3 - 8	1 - 2	42 x 29.5 x 21.5	- 20 - +40	85439
Dimmable 1 - 10 V	12 - 24 V DC	350	-	4 x 4.2 W (12 V), 8.4 W (24 V)	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	12 - 24 V DC	350	-	4 x 4.2 W (12 V), 8.4 W (24 V)	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



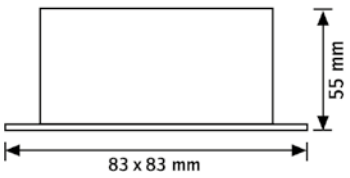
Badausstellung Gornig, Salzwedel

Wall recessed spotlight 1 W Power-LED

- for indoor use
- diecast aluminium
- power: 1 W
- current: 350 mA
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- **no LED constant current converter 350 mA included - please order separately**



56211W



series connection RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Colour	Light colour K	Light flux lm		Depth mm	Article no.
silver grey	3000	21	70 x 70 mm	55	56211WW

Accessories	Article no.
Plastering housing	57150
Plastering frames	57154

Matching control gear - please order separately.

Type	Input AC oder DC	Output mA	Output V DC	Power Watt	Dimension mm	Temperature range °C	Article no.
Converter	100 - 240 V AC	350	3 - 8	1 - 2	42 x 29.5 x 21.5	- 20 - +40	85439
Dimmable 1 - 10 V	12 - 24 V DC	350	-	4 x 4.2 W (12 V), 8.4 W (24 V)	166 x 54 x 23	- 20 - +50	80475
Dimmable KNX	12 - 24 V DC	350	-	4 x 4.2 W (12 V), 8.4 W (24 V)	166 x 54 x 23	- 20 - +50	80110
Dimmable DALI	100 - 240 V AC	350	3 - 48	16	210 x 50 x 32	- 20 - +50	80790



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Stainless steel wall recessed spotlight

mains connection, 1 W Luxeon Power-LED, for deep switch and hollow wall boxes

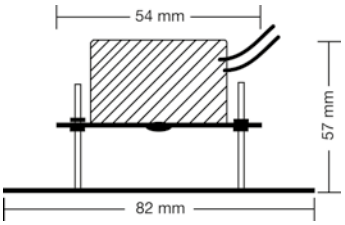
- for indoor use
- Integrated ballast unit
- power: 1 W
- current: 230 V AC
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- supplied without switch or hollow wall box
- **attention: use compensator Art. no. 59999 if connected with crossover or toggle switch**











LED Colour: white and warmwhite — Energy efficiency class **A**

LED Colour: red and green — Energy efficiency class **B**

ORDERING INFORMATION

Colour	Light colour K	Light flux lm		Depth mm	Article no.
silver grey	6500	17	Ø 68 mm	57	59400W
silver grey	3000	14	Ø 68 mm	57	59400WW
silver grey	green	-	Ø 68 mm	57	57400G
silver grey	red	-	Ø 68 mm	57	57400R
Compensator Ø 22 mm					59999



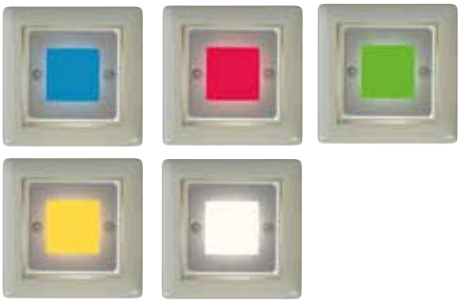
Stainless steel wall recessed spotlight

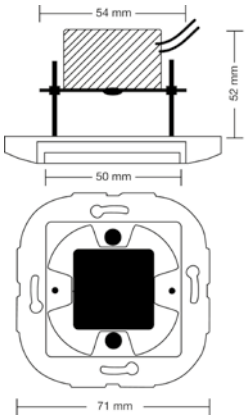
mains connection, 1 W Luxeon Power-LED, for deep switch and hollow wall boxes

- for indoor use
- Integrated ballast unit
- power: 1 W
- current: 230 V AC
- colour rendering: CRI 80
- lifespan L70: ≥ 30,000 hours
- supplied without switch or hollow wall box and frames or intermediate frames
- **attention: use compensator Art. no. 59999 if connected with crossover or toggle switch**

for all standart switch ranges







LED Colour: white and warmwhite — **Energy efficiency class A**

LED Colour: red and green — **Energy efficiency class B**

ORDERING INFORMATION

Colour	Light colour K	Light flux lm		Depth mm	Article no.
silver grey	6500	17	Ø 68 mm	52	57401W
silver grey	3000	14	Ø 68 mm	52	59401WW
silver grey	blue	-	Ø 68 mm	52	57401B
silver grey	green	-	Ø 68 mm	52	57401G
silver grey	red	-	Ø 68 mm	52	57401R
silver grey	yellow	-	Ø 68 mm	52	57401Y
Compensator Ø 22 mm					59999



Uinen Outdoor wall recessed/surface - mounted spotlight
fixed, IP66

- for indoor and outdoor use
- protection class IP66 - when fitted in enclosed ceilings
- solid stainless steel 316
- power: 1 W
- current 24 V DC
- beam angle: 45°
- colour rendering: CRI 75
- can also be used as floor recessed spotlight- 57240 and 57241 trafficable up to 500 kg
- lifespan L70: ≥ 35,000 hours
- **no LED ballast constant voltage 24 V DC included - please order separately**

Stainless steel surfaces need regular care. Please do not use acid cleaning products. We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

IP66 Parallel RoHS REACH



LED-Colour: white
Energy efficiency class A++

LED-Colour: warmwhite
Energy efficiency class A+

LED-Colour: blue
Energy efficiency class A

ORDERING INFORMATION

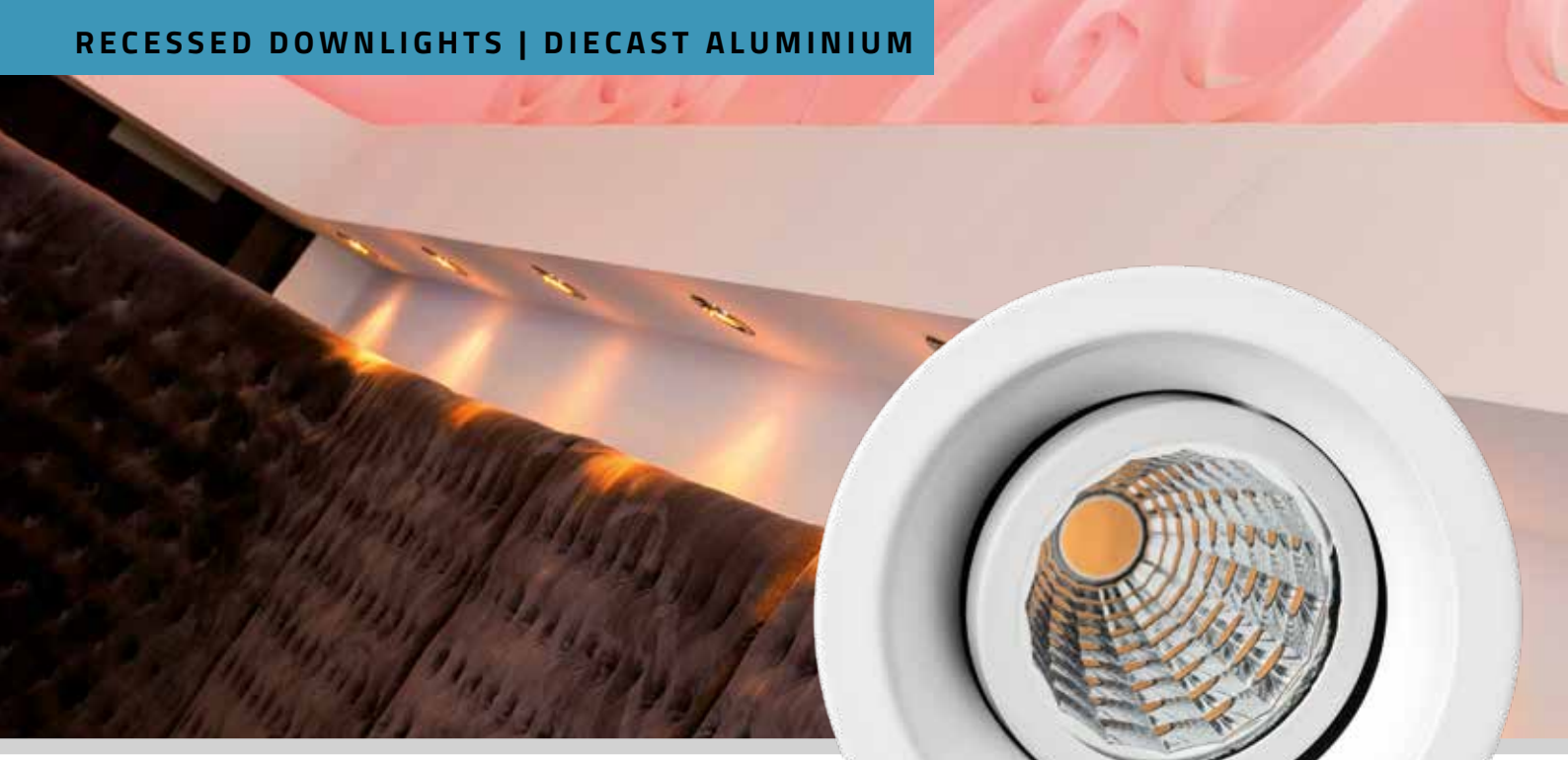
Type	LED	Light colour K	Light flux lm	Outer diameter mm		Depth mm	Article no.
Uinen flat	1 W Power LED	6500	54	Ø 52	Ø 45 mm	25	LED57240W
Uinen flat	1 W Power LED	3000	43	Ø 52	Ø 45 mm	25	LED57240WW
Uinen flat	1 W Power LED	blue	-	Ø 52	Ø 45 mm	25	LED57240B
Uinen semicircular	1 W Power LED	6500	54	Ø 52	Ø 45 mm	25	LED57241W
Uinen semicircular	1 W Power LED	3000	43	Ø 52	Ø 45 mm	25	LED57241WW
Uinen semicircular	1 W Power LED	blue	-	Ø 52	Ø 45 mm	25	LED57241B
Uinen asymmetrical	1 W Power LED	6500	38	Ø 52	Ø 45 mm	25	LED57242W
Uinen asymmetrical	1 W Power LED	3000	29	Ø 52	Ø 45 mm	25	LED57242WW
Uinen asymmetrical	1 W Power LED	blue	-	Ø 52	Ø 45 mm	25	LED57242B

Type	Article no.
Mounting ring, ø 52 mm, height 26 mm	57159



Recessed downlights
for replaceable light bulbs

Gornig, Salzwedel



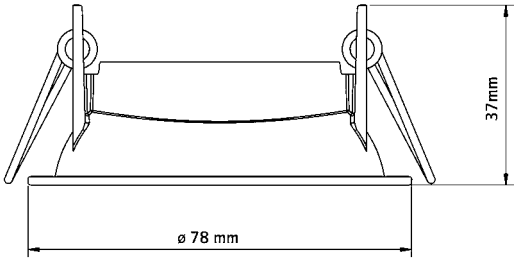
Recessed downlights for rutec LED modules

Diecast aluminium LED recessed downlights

movable, glare - free, without clip ring, IP20

ALU55231

- for indoor use
- diecast aluminium
- 30° movable
- lamp replacement: the rutec LED modules will be screwed in the downlight after removing the frontring of the modules
- luminaire suitable for lamps in energy efficiency classes: A+ to A++
- **no LED module and constant current converter included - please order separately**



Reihenschaltung

Energy efficiency class A+ to A++

ORDERING INFORMATION

	white	brushed iron	chrome matt
ø 68 mm	ALU55231	ALU55235	ALU55239

Depth - please see the table on the right



Easy installation of modules



Unscrew the front ring of the module counter clockwise and remove the ring carefully.



Put the glass of the scope of delivery on the module. (Not neccessary for 88823, 88806 and 88816)



Remove the glass of the module. (Not neccessary for 88823, 88806 and 88816)



Put the downlight and screw it clockwise until it is fixed.

Following modules with converters are suitable and necessary:

Type	Article no.	Power W	Depth mm	LED Colour K	Light flux lm	Beam Angle °	Current mA	Converter On - off	Converter Dimable*
Dim To Warm	88823	7	75	2800 - 2000	520	38	350	-	Art. 85445
MR - 16 module 2700 K CRI 90	88806	6.2	75	2700	734	38	350	Art. 85442	Art. 85445
MR - 16 module 3000 K CRI 90	88816	6.2	75	3000	771	38	350	Art. 85442	Art. 85445
MR - 16 module 2700 K CRI 80	88869	10	95	2700	1187	43	350	Art. 85443	Art. 85446
MR - 16 module 3000 K CRI 80	88879	10	95	3000	1373	43	350	Art. 85443	Art. 85446
MR - 16 module 2700 K CRI 90	88809	10	95	2700	838	43	350	Art. 85443	Art. 85446
MR - 16 module 3000 K CRI 90	88819	10	95	3000	1165	43	350	Art. 85443	Art. 85446
MR - 16 module 2700 K CRI 90	88808	10	95	2700	383	60	350	Art. 85443	Art. 85446
MR - 16 module 3000 K CRI 90	88818	10	95	3000	1185	60	350	Art. 85443	Art. 85446

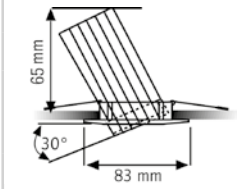
lifespan L70: ≥ 50,000 hours · * phasecut



Diecast aluminium LED recessed downlights

incl. LUMINUS Power LED module 6.2 W, with reflector and 350 mA converter, movable, without clip ring, IP20

- for indoor use
- diecast aluminium
- light colour: 3000 K (± 100 K) and 2700 K (± 100 K)
- light flux: 3000 K = 686 lumens, 2700 K = 670 lumens
- beam angle: 38°
- colour rendering: CRI 80
- light bulb replacement by removing bayonet front ring
- lifespan L70: ≥ 50,000 hours
- **LED 350 mA constant current ballast (phasecut dimming) included**



including
LED module
6.2 W LUMINUS
Depth 65 mm



ALU56379WW

Energy efficiency class A++

ORDERING INFORMATION

Light colour K		 white	 black	 gold	 chrome	 brushed iron	 old brass	 gold matt	 chrome matt
3000	ø 68 mm	ALU56371 WW	ALU56372 WW	ALU56373 WW	ALU56374 WW	ALU56375 WW	ALU56376 WW	ALU56378 WW	ALU56379 WW
2700	ø 68 mm	ALU56371 UWW	ALU56372 UWW	ALU56373 UWW	ALU56374 UWW	ALU56375 UWW	ALU56376 UWW	ALU56378 UWW	ALU56379 UWW
3000 dimmable	ø 68 mm	ALU56371 WWD	ALU56372 WWD	ALU56373 WWD	ALU56374 WWD	ALU56375 WWD	ALU56376 WWD	ALU56378 WWD	ALU56379 WWD
2700 dimmable	ø 68 mm	ALU56371 UWWD	ALU56372 UWWD	ALU56373 UWWD	ALU56374 UWWD	ALU56375 UWWD	ALU56376 UWWD	ALU56378 UWWD	ALU56379 UWWD



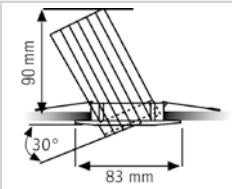
Diecast aluminium LED recessed downlights

incl. Bridgelux Power LED module 10 W, with reflector and 350 mA converter, movable, without clip ring, IP20

- for indoor use
- diecast aluminium
- light colour: 3000 K (± 100 K) and 2700 K (± 100 K)
- light flux: 3000 K = 1373 lumens, 2700 K = 1187 lumens
- beam angle: 43°
- colour rendering: CRI 80
- light bulb replacement by removing bayonet front ring
- lifespan L70: ≥ 50,000 hours
- **LED 350 mA constant current ballast (phasecut dimming) included**



ALU50371WW



including
LED module
10 W Bridgelux
Depth 90 mm

Reihenschaltung

Energy efficiency class A+

ORDERING INFORMATION

Type	Light colour K		 white	 black	 gold	 chrome	 brushed iron	 old brass	 gold matt	 chrome matt
switchable on/off	3000	ø 68 mm	ALU50371 WW	ALU50372 WW	ALU50373 WW	ALU50374 WW	ALU50375 WW	ALU50376 WW	ALU50378 WW	ALU50379 WW
switchable on/off	2700	ø 68 mm	ALU50371 UWW	ALU50372 UWW	ALU50373 UWW	ALU50374 UWW	ALU50375 UWW	ALU50376 UWW	ALU50378 UWW	ALU50379 UWW
dimmable phasecut	3000	ø 68 mm	ALU50371 WWD	ALU50372 WWD	ALU50373 WWD	ALU50374 WWD	ALU50375 WWD	ALU50376 WWD	ALU50378 WWD	ALU50379 WWD
dimmable phasecut	2700	ø 68 mm	ALU50371 UWWD	ALU50372 UWWD	ALU50373 UWWD	ALU50374 UWWD	ALU50375 UWWD	ALU50376 UWWD	ALU50378 UWWD	ALU50379 UWWD



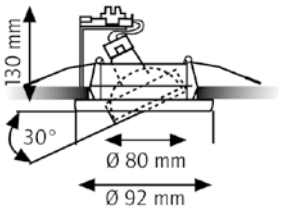


Aluminium recessed downlights

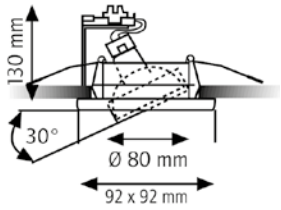
Melimar Aluminium recessed downlights

movable, without clip ring, for ø 50 mm light bulbs

- for indoor use
- solid aluminium
- movable by 30° and rotating by 360°
- inner movable area removable for changing light bulbs
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



57560





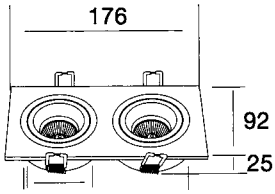
57555

ORDERING INFORMATION

Type	Material		Article no.
1-fold circular	solid aluminium	ø 80 mm	57560
1-fold square	solid aluminium	ø 80 mm	57555
2-fold	solid aluminium	ø 2 x 80 mm	57556
4-fold	solid aluminium	ø 4 x 80 mm	57558
4-fold square	solid aluminium	ø 4 x 80 mm	57559

Melimar Aluminium recessed downlights

2-fold, movable, without clip ring, for ø 50 mm light bulbs

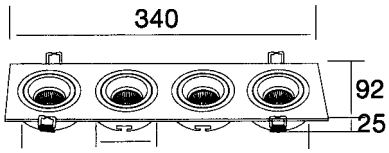




57556

Melimar Aluminium recessed downlights

4-fold, movable, without clip ring, for ø 50 mm light bulbs

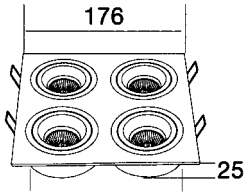




57558

Melimar Aluminium recessed downlights

4-fold, movable, without clip ring, for ø 50 mm light bulbs





57559

Inner movable area
removable for changing light bulbs!





Squashcenter Achim



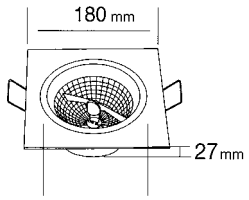
57660

Aluminium recessed downlights for 111 mm light bulbs

Melimar Aluminium recessed downlights

1-fold, movable, without clip ring, for ø 111 mm light bulbs, IP20

- for indoor use
- solid aluminium, outside textured,, inside unfinished state
- movable by 45° and rotating by 360°
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



usable light bulbs		
LED module	QRB111	GU10
13 W 18 W 111 mm from page 130	max. 75 W	max. 75 W Accessories Art. 54996
Depth 80 / 110 mm	Depth 100 mm	Depth 100 mm

ORDERING INFORMATION

Type		Depth mm	Article no.
1-fold square	ø 150 mm	42	57660

INNER RING REMOVABLE FOR CHANGING BULBS!



Aluminium recessed downlights

for GX53-1 energy - saving lamps

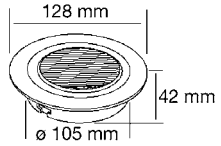
Melimar Aluminium recessed downlights

1-fold, IP40

- for indoor use
- solid aluminium, brushed
- 2-core cable, length 30 cm
- including socket GX53-1
- luminaire suitable for lamps in energy efficiency classes: A++ to B
- **no light bulb included**



57460



usable light bulbs
GX53-1 (T110)
max. 11 W

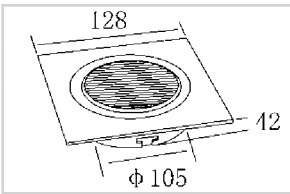
ORDERING INFORMATION

Type		Depth mm	Article no.
1-fold circular	ø 105 mm	42	57460

INNER RING REMOVABLE FOR CHANGING BULBS!



Melimar Aluminium recessed downlights
2-fold, IP40

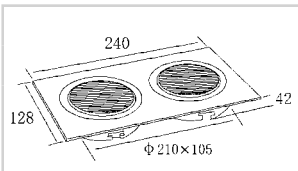


usable light bulbs
GX53-1 (T110)
max. 11 W



57455

Melimar Aluminium recessed downlights
2-fold, IP40



usable light bulbs
GX53-1 (T110)
max. 11 W



57456

Type		Depth mm	Article no.
1-fold square	ø 105 mm	42	57455
2-fold	ø 2 x 105 mm	42	57456

INNER RING REMOVABLE FOR CHANGING BULBS!



Cardanic downlight

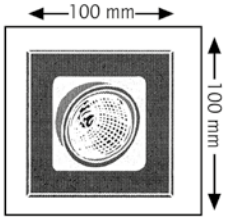
Cardanic aluminium recessed downlights

1-fold, for ø 50 mm light bulbs, IP20

- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations
- solid aluminium
- colour: aluminium brushed and white
- movable by 40° and rotating by 360°
- protection class: IP20 - when fitted in enclosed ceilings
- without tension relief
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



57531



ORDERING INFORMATION

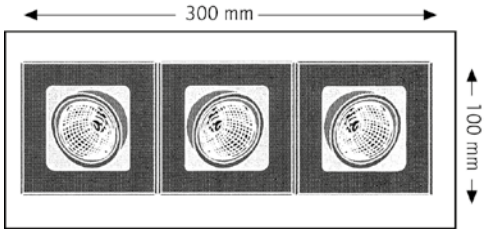
Type		
		alu brushed
1-fold with clip ring	ø 92 mm	57531

usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 75 W Accessories Art. 54996
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm

Cardanic aluminium recessed downlights

3-fold, for ø 50 mm light bulbs , IP20

ONLY AVAILABLE IN WHITE COLOUR

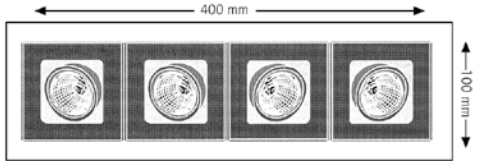




56503

Cardanic aluminium recessed downlights

4-fold, rectangular, for ø 50 mm light bulbs, IP20

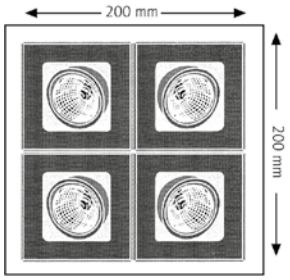




57504

Cardanic aluminium recessed downlights

4-fold, for ø 50 mm light bulbs, IP20





57514

Type			
		alu brushed	white
		clip ring	clip ring
3-fold	ø 3 x 92 mm	-	56503
4-fold	ø 4 x 92 mm	57504	-
4-fold square	ø 4 x 92 mm	57514	-

usable light bulbs	
GX5.3	GU10
max. 50 W	max. 75 W Accessories Art. 54996
Depth 130 mm	Depth 130 mm



Aluminium

Aluminium recessed downlights

movable, without clip ring, for ø 50 mm light bulbs, IP20

- for indoor use
- solid aluminium
- colour: aluminium (unfinished state)
- 30° movable
- light bulb change: swivel holder trim removable (clip lock)
- application: also suitable for fitting in concrete ceilings and other thermally difficult fitting situations
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

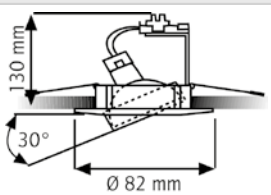


ALU55480



ORDERING INFORMATION

	
	aluminium unfinished state
ø 68 mm	ALU55480



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



Diecast aluminium

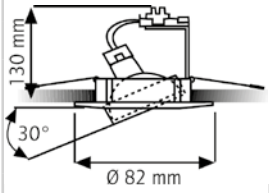
Diecast aluminium recessed downlights

movable, without clip ring, for ø 50 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- 30° movable
- light bulb change: swivel holder trim removable (clip lock)
- application: also suitable for fitting in concrete ceilings and other thermally difficult fitting situations
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



ALU55489



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

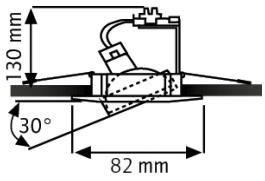
	white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
ø 68 mm	ALU55481	ALU55482	-	ALU55484	ALU55485	ALU55486	-	-	ALU55489



Diecast aluminium recessed downlights

movable, without clip ring, for ø 50 mm light bulbs, IP20

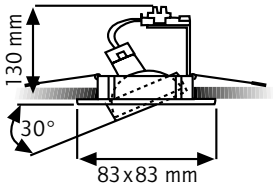
- for indoor use
- diecast aluminium
- 30° movable
- light bulb replacement by removing bayonet front ring
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**





ALU55374

usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm





ALU55476

ORDERING INFORMATION

Type		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
circular	ø 68 mm	ALU55371	ALU55372	ALU55373	ALU55374	ALU55375	ALU55376	-	ALU55378	ALU55379
square	ø 68 mm	ALU55471	ALU55472	ALU55473	ALU55474	ALU55475	ALU55476	ALU55477	-	ALU55479



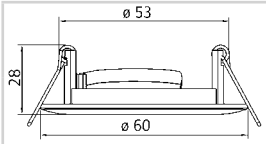
- for indoor use
- diecast aluminium
- 30° movable oder rigid
- light bulbs replacement by removing bayonet front ring
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



ALU55775

Diecast aluminium recessed downlights

movable, without clip ring, for Ø 35 mm light bulbs, IP20



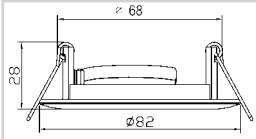
usable light bulbs		
LED module	GZ4	GU10
5.2 W Seite 125	max. 35 W	-
Depth 65 mm	Depth 130 mm	-



Bulb recommendation power LED module MR11, article no. 88883, 1 x 5.2 Watt LED module converter e.g. 600 mA necessary

Diecast aluminium recessed downlights

rigid, without clip ring, for Ø 50 mm light bulbs, IP20



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



ALU55781

ORDERING INFORMATION

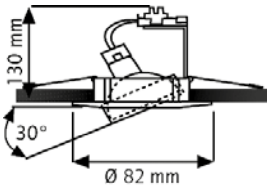
Type									
		white	black	gold	chrome	brushed iron	old brass	gold matt	chrome matt
movable	ø 53 mm	ALU55771	ALU55772	ALU55773	ALU55774	ALU55775	ALU55776	ALU55778	ALU55779
rigid	ø 68 mm	ALU55781	ALU55782	ALU55783	ALU55784	ALU55785	ALU55786	ALU55788	ALU55789



Diecast aluminium recessed downlights

movable, for ø 50 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- 30° movable
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



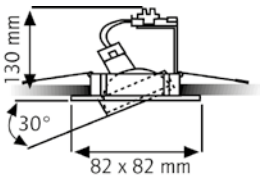


ALU55359

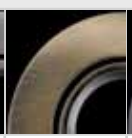


ALU55395

usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
circular	ø 68 mm	ALU55351	ALU55352	ALU55353	ALU55354	ALU55355	ALU55356	-	ALU55358	ALU55359
square	ø 68 mm	ALU55391	-	ALU55393	ALU55394	ALU55395	-	ALU55397	-	ALU55399



det - anan sunonethong@fotolia.com

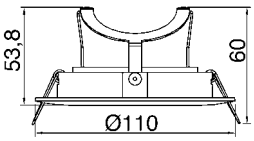
Diecast aluminium recessed downlights

rotating and movable, without clip ring, for ø 50 mm light bulbs, IP20

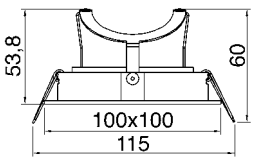
- for indoor use
- diecast aluminium
- movable by 40° and rotating by 360°
- simple replacement technique with bayonet connection
- rearward, cardanic mounting
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



ALU55681



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm





ALU55675

ORDERING INFORMATION

Type		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
circular	ø 92 mm	ALU55681	-	-	ALU55684	ALU55685	-	-	-	ALU55689
square	ø 92 mm	ALU55671	-	-	ALU55674	ALU55675	-	-	ALU55678	ALU55679



Recessed downlights for 111 mm light bulbs

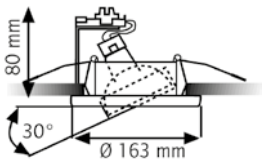
Diecast aluminium recessed downlights

movable, for ø 111 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- 30° movable
- light bulb replacement by removing bayonet front ring
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

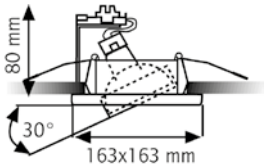


ALU55805





ALU55814



usable light bulbs		
LED module	QRB 111	GU10
13 W / 18 W 111 mm from page 130	max. 75 W	max. 75 W Accessories Art. 54996
Depth 80 / 110 mm	Depth 100 mm	Depth 100 mm

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
circular	ø 140 mm	ALU55801	ALU55802	-	ALU55804	-	-	-	-	ALU55809
square	ø 140 mm	ALU55811	ALU55812	-	ALU55814	ALU55815	-	-	-	ALU55819

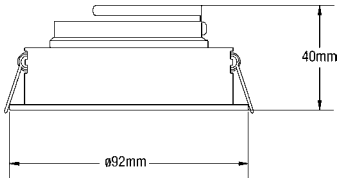


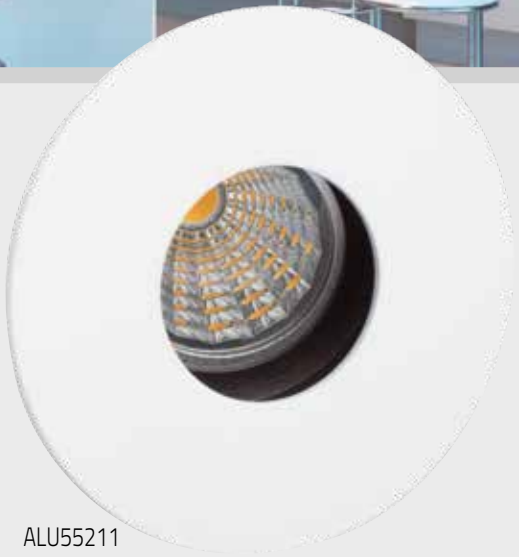
Glare - free recessed downlights

Diecast aluminium recessed downlights

movable, glare - free, for ø 50 mm light bulbs, IP20

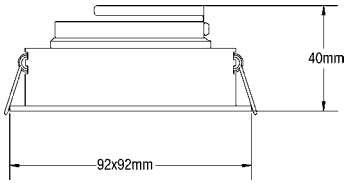
- for indoor use
- diecast aluminium
- 15° movable inside
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- the complete downlight has to be removed to replace the light bulb
- **no light bulb included**

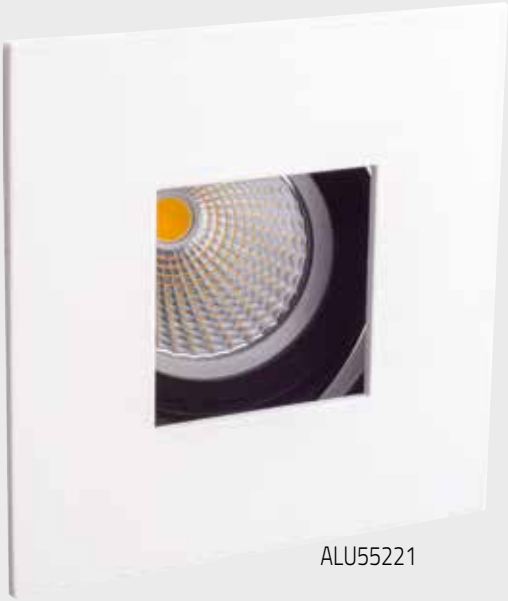




ALU55211

usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 90 / 110 mm	Depth 130 mm	Depth 130 mm





ALU55221

ORDERING INFORMATION

Type										
		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
circular	ø 85 mm	ALU55211	-	-	-	ALU55215	-	-	-	ALU55219
square	ø 85 mm	ALU55221	-	-	-	ALU55225	-	-	-	ALU55229



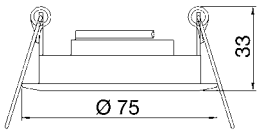
Squashcenter Achim



- for indoor use
- diecast aluminium
- 30° movable
- simple replacement technique, internal swivel area removable
- glare - free due to deep-set light bulb
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

Diecast aluminium recessed downlights

movable, without clip ring, glare - free,
for ø 35 mm light bulbs, IP20



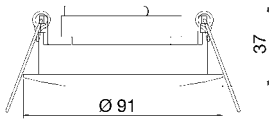
usable light bulbs		
LED module	GZ4	GU10
5.2 W Seite 125	max. 35 W	-
Depth 80 mm	Depth 130 mm	-



ALU55545

Diecast aluminium recessed downlights

movable, without clip ring, glare - free,
for ø 50 mm light bulbs, IP20

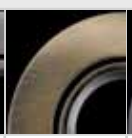


usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 80 / 95 mm	Depth 130 mm	Depth 130 mm



ALU55555

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
for ø 35 mm	ø 67 mm	ALU55541	-	ALU55543	ALU55544	ALU55545	ALU55546	-	ALU55548	ALU55549
for ø 50 mm	ø 80 mm	ALU55551	ALU55552	-	ALU55554	ALU55555	-	-	-	ALU55559



VANYA Diecast aluminium recessed downlights

rectangular, trimless, flush - mounted, without clip ring, for Ø 50 mm light bulbs, cardanic, IP20

- for indoor use
- diecast aluminium
- movable by 40° and rotating by 360°
- simple installation of the outer frame. For installation of the frame, the inner part can be removed and the mounting clip can be adjusted by the screws according to ceiling thickness.
- light bulb replacement by removing bayonet front ring
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- not suitable for concrete ceilings
- **no light bulb included**

usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 35 W	-
Depth 85 / 100 mm	Depth 70 mm	-

Simple installation

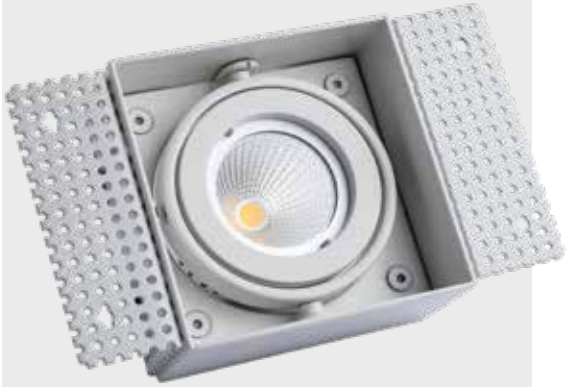


ORDERING INFORMATION

Type	Dimensions mm		white	black
1-fold	150 x 91	93 x 93 mm	ALU55711	ALU55712
2-fold	236 x 91	179 x 93 mm	ALU55721	ALU55722
3-fold	319 x 91	261 x 93 mm	ALU55731	ALU55732

VANYA Diecast aluminium recessed downlights

1-fold, trimless, flush - mounted, without clip ring,
for Ø 50 mm light bulbs, cardanic, IP20



ALU55711

VANYA Diecast aluminium recessed downlights

2-fold, trimless, flush - mounted, without clip ring,
for Ø 50 mm light bulbs, cardanic, IP20



ALU55721

VANYA Diecast aluminium recessed downlights

3-fold, trimless, flush - mounted, without clip ring,
for Ø 50 mm light bulbs, cardanic, IP20



ALU55731



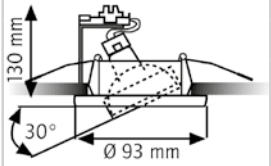
Diecast aluminium recessed downlights

rotating and movable, without clip ring,
for ø 50 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- movable by 30° and rotating by 360°
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- inner movable area removable for changing light bulbs
- **no light bulb included**

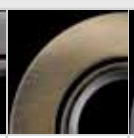


R55369



	usable light bulbs		
	LED module	GX5.3	GU10
	6.2 W 10 W 7 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
	Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
circular	ø 81 mm	R55361	R55362	-	R55364	R55365	-	-	-	R55369



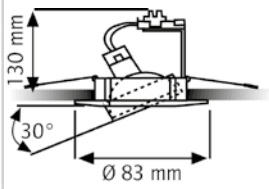
Diecast aluminium recessed downlights

BICOLOR, movable,
for ø 50 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- 30° movable
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



ALU55384



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 10 W 7 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

Type				
		brass / brushed brass	chrome / iron	brass / iron
circular	ø 68 mm	ALU55383	ALU55384	ALU55385



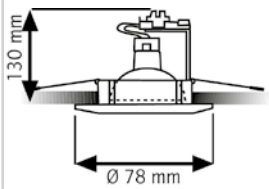
Diecast aluminium recessed downlights

rigid, for ø 50 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

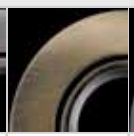


ALU55849



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

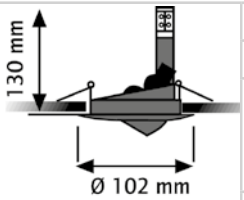
Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
circular	ø 62 mm	ALU55841	ALU55842	ALU55843	ALU55844	ALU55845	ALU55846	-	-	ALU55849



- for indoor use
- diecast aluminium
- movable by 30° and rotating by 355°
- front panel completely removable for light bulb replacement
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

Diecast aluminium recessed downlights

rotating and movable, without clip ring, for ø 50 mm light bulbs, IP20

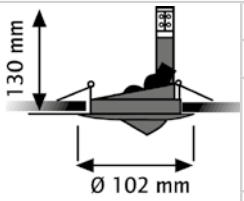


usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 35 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



ALU55864

Diecast aluminium recessed downlights recessed down-light with leaf springs, rotating and movable, without clip ring, for ø 50 mm light bulbs, IP20



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 35 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



ALU5586-4BL

ORDERING INFORMATION

Fixing Type		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
side spring	ø 90 mm	ALU55861	-	-	ALU55864	ALU55865	-	-	-	-
leaf springs	ø 90 mm	ALU5586-1BL	-	-	ALU5586-4BL	ALU5586-5BL	-	-	-	-



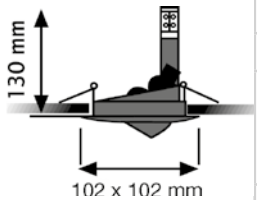


ALU55875

Diecast aluminium recessed downlights

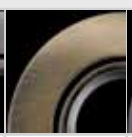
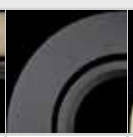
rotating and movable, without clip ring,
for ø 50 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- movable by 30° and rotating by 355°
- light bulb replacement by removing bayonet front ring
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



usable light bulbs		
LED module	GX5.3	GU10
-	max. 50 W	max. 35 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
square	ø 90 mm	ALU55871	-	ALU55873	ALU55874	ALU55875	ALU55876	-	ALU55878	ALU55879



Pavel Losevsky@fotolia.com

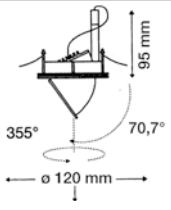
Diecast aluminium recessed downlights

rotating and movable, without clip ring, for ø 50 mm light bulbs, IP20

- for indoor use
- diecast aluminium
- movable by 70° and rotating by 355°
- movable area front panel removable for light bulb replacements
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



ALU55595

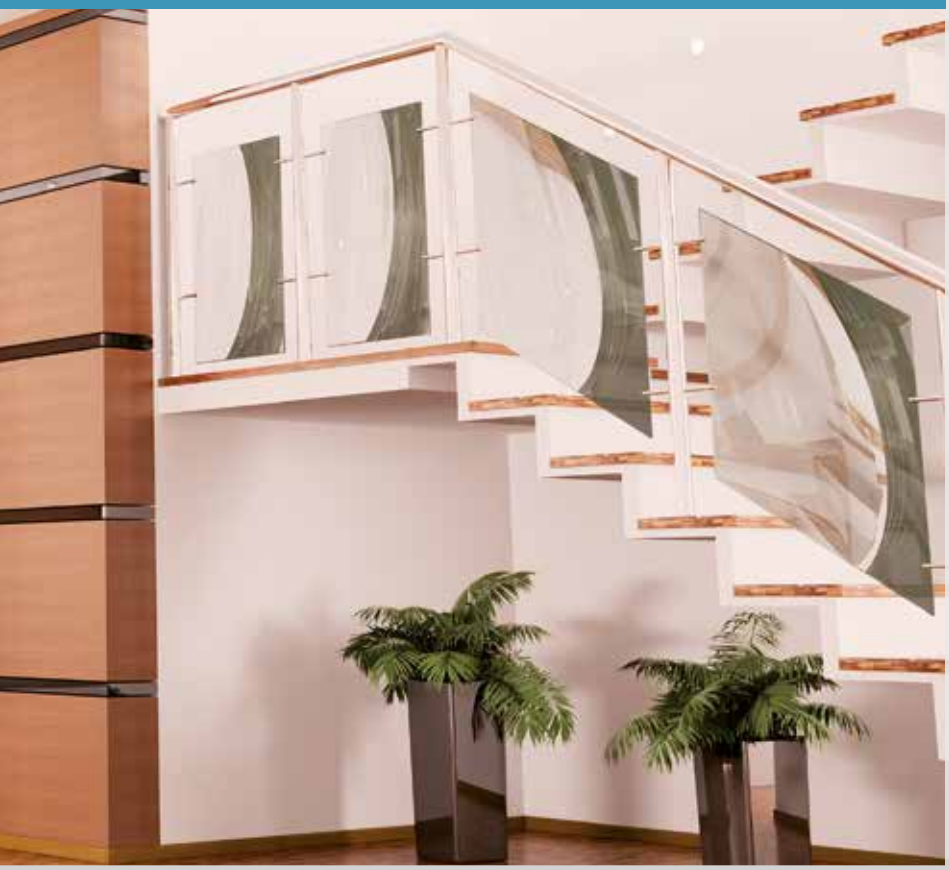


usable light bulbs		
LED module	GX5.3	GU10*
6.2 W 7 W from page 126	max. 35 W	max. 35 W
Depth 100 mm	Depth 100 mm	Depth 100 mm

* GU10 mounting included in delivery

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
circular	ø 110 mm	ALU55591	-	-	-	ALU55595	-	-	-	ALU55599



- for indoor use
- diecast aluminium
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

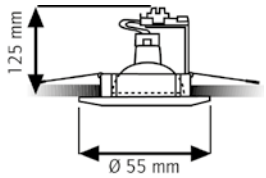
Bulb recommendation
power LED module
MR11, article no. 88883,
1 x 5.2 Watt LED module
converter e.g. 600 mA necessary



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Diecast aluminium recessed downlights

rigid, for ø 35 mm light bulbs, IP20



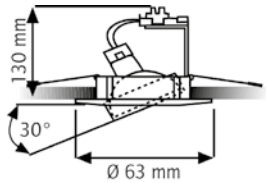
usable light bulbs		
LED module	GZ4	GU10
5.2 W Seite 125	max. 35 W	-
Depth 90 mm	Depth 130 mm	-



ALU55834

Diecast aluminium recessed downlights

30° movable, for ø 35 mm light bulbs, IP20

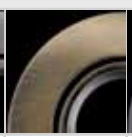
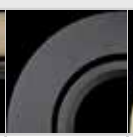


usable light bulbs		
LED module	GZ4	GU10
5.2 W Seite 125	max. 35 W	-
Depth 90 mm	Depth 130 mm	-



ALU55345

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
rigid	ø 45 mm	ALU55831	ALU55832	ALU55833	ALU55834	ALU55835	-	-	-	ALU55839
movable	ø 56 mm	ALU55341	ALU55342	ALU55343	ALU55344	ALU55345	ALU55346	-	-	-



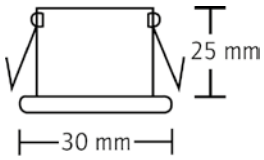
Light points

- for indoor use
- diecast aluminium
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



shutterstock_8555941

Diecast aluminium light point,
for pin base, IP20

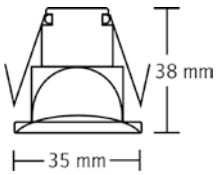


usable light bulbs		
LED module	G4	GU10
-	max. 20 W	-



R55994

Diecast aluminium light point, deep
for pin base, IP20

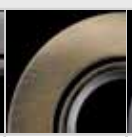
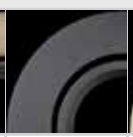


usable light bulbs		
LED module	G4	GU10
-	max. 20 W	-



R55989

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
light point	ø 25 mm	R55991	-	R55993	R55994	R55995	R55996	-	-	R55999
light point	ø 26 mm	-	-	-	R55984	R55985	-	-	-	R55989



3darcastudio@fotolia.com

Steel recessed downlights

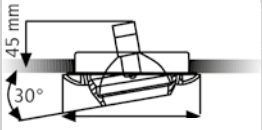


R55065

Steel recessed downlights

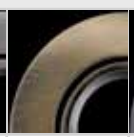
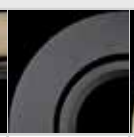
rotating and movable, for ø 50 mm light bulbs, IP20

- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations
- steel
- movable by 30° and rotating by 180°
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



	usable light bulbs		
	LED module	GX5.3	GU10
	6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
	Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
for 50 mm	ø 80 mm	R55061	-	-	R55064	R55065	-	-	-	-

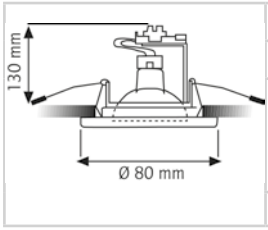


- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations
- steel
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



Steel recessed downlights

rigid, for ø 50 mm light bulbs, IP20



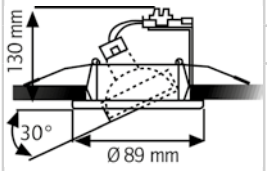
usable light bulbs		
LED module	GX5.3	GU10
-	max. 50 W	max. 50 W Accessories Art. 54995
-	Depth 130 mm	Depth 130 mm



R55036

Steel recessed downlights

30° movable, for ø 50 mm light bulbs, IP20

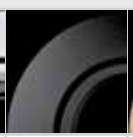
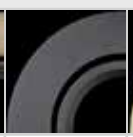


usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



R55058

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
rigid	ø 60 mm	R55031	R55032	R55033	R55034	R55035	R55036	-	R55038	R55039
movable	ø 68 mm	R55051	R55052	R55053	R55054	R55055	R55056	-	R55058	R55059



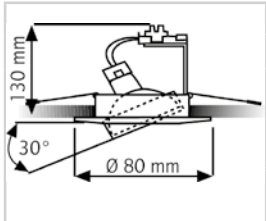
Steel recessed downlights

movable, without clip ring,
for ø 50 mm light bulbs, IP20

- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations
- steel
- 30° movable
- simple replacement technique by removing front ring
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



R55116



usable light bulbs		
LED module	GX5.3	GU10
-	max. 50 W	max. 50 W Accessories Art. 55007
-	Depth 130 mm	Depth 130 mm

optional box 55432

Simple replacement technique – without clip ring



ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
circular	ø 68 mm	R55111	R55112	R55113	R55114	R55115	R55116	-	-	R55119





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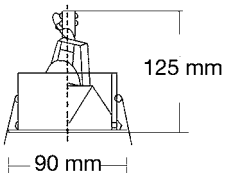
304 stainless steel

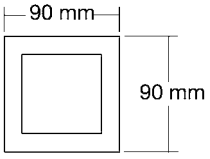
- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms
- 304 stainless steel
- 30° movable
- simple replacement technique with bayonet connection
- glare-free due to deep-set light bulbs
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



R55600

304 stainless steel recessed downlights
movable, without clip ring, for ø 50 mm light bulbs, IP20

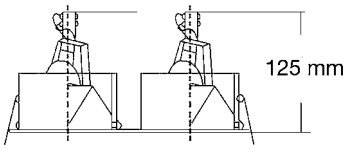


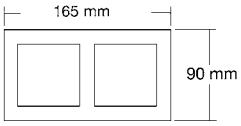


R55611

304 stainless steel recessed downlights
2-fold, movable, without clip ring
for ø 50 mm light bulbs, IP20







Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

ORDERING INFORMATION

Type			
		stainless steel	white
1-fold	85 x 75 mm	R55600	R55601
2-fold	150 x 75 mm	R55610	R55611

usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 88 / 100 mm	Depth 130 mm	Depth 130 mm

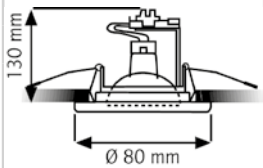


- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms
- 304 stainless steel
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

Xtravagan1@fotolia.com

304 stainless steel recessed downlights

rigid, for ø 50 mm light bulbs, IP20



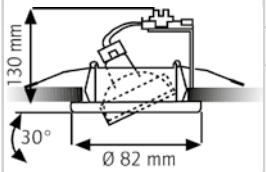
usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



R55080

304 stainless steel recessed downlights

30° movable, for ø 50 mm light bulbs, IP20



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



R55090

ORDERING INFORMATION

Type		
		304 stainless steel
rigid	ø 60 mm	R55080
movable	ø 68 mm	R55090

Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.



304 stainless steel recessed downlights

movable, without clip ring, for ø 50 mm light bulbs, IP20

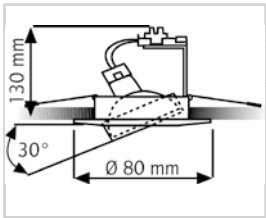
- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms
- 304 stainless steel
- 30° movable
- simple replacement technique by removing the complete front panel
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



R55110



R55181



usable light bulbs		
LED module	GX5.3	GU10
-	max. 50 W	max. 50 W Accessories Art. 55007
-	Depth 130 mm	Depth 130 mm

optional box 55432

Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

ORDERING INFORMATION

Type			
		304 stainless steel	white
circular	ø 68 mm	R55110	-
circular	ø 68 mm	-	R55181

Simple replacement technique – without clip ring





316 stainless steel recessed downlights

316 stainless steel recessed downlights

movable, without clip ring, for ø 50 mm light bulbs, IP20

- for indoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms
- 316 stainless steel
- 30° movable
- simple replacement technique by removing the complete front panel
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

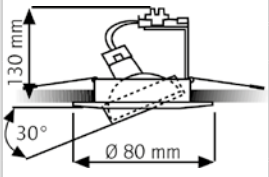


R5511-V4A

Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

ORDERING INFORMATION

Type		
		316 - stainless steel
circular	ø 68 mm	R5511-V4A



usable light bulbs		
LED module	GX5.3	GU10
-	max. 50 W	max. 50 W Accessories Art. 55007
-	Depth 130 mm	Depth 130 mm

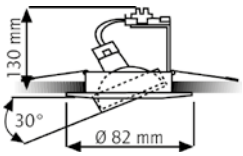
optional box 55432



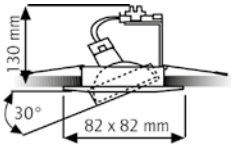
TULKA 316 recessed downlights

TULKA 316 stainless steel recessed downlights
movable, without clip ring, for ø 50 mm light bulbs, IP20

- for indoor and outdoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms and sea air areas
- 316 stainless steel
- 30° movable
- simple replacement technique: swivel holder trim removable (clip lock)
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm




R5558-V4A


R5557-1

ORDERING INFORMATION

Type			
		316 - stainless steel	white
circular	ø 68 mm	R5558-V4A	R5558-1
square	ø 68 mm	R5557-V4A	R5557-1

Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.



TULKA - High protection class, IP55

TULKA 316 stainless steel recessed downlights, IP55

rigid, without clip ring, for ø 35 mm light bulbs

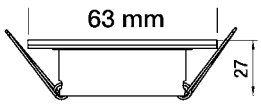
- for indoor and outdoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms and sea air areas
- housing and cover ring in 316 stainless steel
- light bulb replacement by removal of inside ring (clip fitting)
- hardened, clear glass
- protection class IP55 when fitted in enclosed ceilings
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



R5564-V4A



R5563-V4A



	usable light bulbs		
	LED module	GZ4	GU10
	5.2 W Seite 125	max. 35 W	-
	Depth 65 mm	Depth 130 mm	-

Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

IP55 RoHS REACH

ORDERING INFORMATION

Type			
		316 - stainless steel	white
circular	ø 45 mm	R5564-V4A	R5564-1
square	ø 45 mm	R5563-V4A	R5563-1

Bulb recommendation
power LED module MR11,
article no. 88883,
1 x 5.2 Watt LED module
converter 600 mA necessary

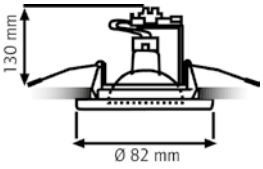




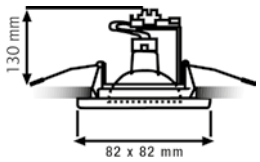
TULKA 316 stainless steel recessed downlights, IP55

rigid, without clip ring, for ø 50 mm light bulbs

- for indoor and outdoor use - also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms and sea air areas
- housing and cover ring in 316 stainless steel
- light bulb replacement by removal of inside ring (clip fitting)
- hardened, clear glass
- protection class protection class IP55 when fitted in enclosed ceilings
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 20 W Accessories Art. 54995
Depth 65 / 90 mm	Depth 130 mm	Depth 130 mm



IP55



R5569-1



R5566-V4A

ORDERING INFORMATION

Type			
		316 - stainless steel	white
circular	ø 68 mm	R5569-V4A	R5569-1
square	ø 68 mm	R5566-V4A	R5566-1

Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

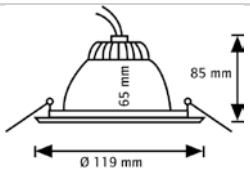




High protection class IP43

- for indoor use - also use in damp rooms
- diecast aluminium
- inside panel with bayonet connection removable for light bulb replacement
- protection class IP43 when fitted in enclosed ceilings
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

Diecast aluminium recessed downlights, IP43
rigid, for pin base

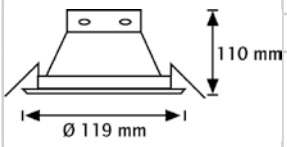


usable light bulbs		
LED module	GY6.35	GU10
-	max. 50 W	-



R55905

Diecast aluminium recessed downlights, IP43
rigid, for ø 50 mm light bulbs

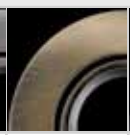
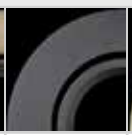


usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W
Depth 125 / 135 mm	Depth 130 mm	Depth 130 mm



R55895

ORDERING INFORMATION

Light bulbs Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
for pin base	ø 102 mm	R55901	-	-	R55904	R55905	-	-	-	R55909
for 50 mm	ø 102 mm	R55891	-	R55893	-	R55895	-	-	-	-



High protection class IP44

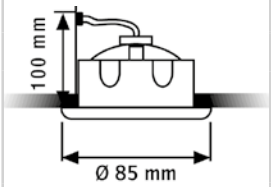
Diecast aluminium recessed downlights, IP44

rigid, for ø 50 mm light bulbs

- for indoor use - also use in damp rooms
- visible panel: diecast aluminium
  housing:sheet steel (black), leaf springs
- front panel completely removable for light bulb replacement
- incl. safety glass matt, glare - free
- protection class IP44 when fitted in enclosed ceilings
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



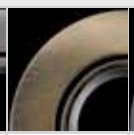
R55884



usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 90 / 110 mm	Depth 130 mm	Depth 130 mm

IP44

ORDERING INFORMATION

Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
circular	ø 70 mm	R55881	-	R55883	R55884	R55885	-	-	-	R55889

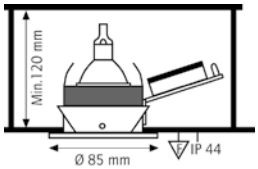


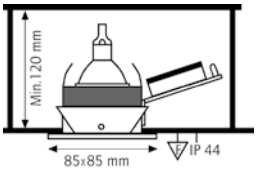
High protection class IP44

Recessed downlights, IP44

rigid, for ø 50 mm light bulbs

- for indoor use - also use in damp rooms
- visible panel: diecast zinc-aluminum
  housing:sheet steel (black), leaf springs
- front panel completely removable for light bulb replacement
- incl. safety glass matt, glare - free
- protection class IP44 when fitted in enclosed ceilings
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**





usable light bulbs		
LED module	GX5.3	GU10
6.2 W 7 W 10 W from page 126	max. 50 W	max. 50 W Accessories Art. 55003
Depth 105 / 120 mm	Depth 130 mm	Depth 130 mm

IP44

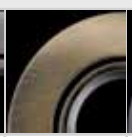


55945



55919

ORDERING INFORMATION

Light bulbs Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
circular	ø 78 mm	55941	-	-	55944	55945	-	-	-	55949
square	ø 78 mm	55911	-	-	55914	55915	-	-	-	55919





High protection class, IP65

Recessed downlights, IP65

rigid, for ø 35 mm light bulbs, frosted glass

- for indoor use - also use in damp rooms
- protection class IP65 when fitted in enclosed ceilings
- housing and cover ring in diecast aluminum - light bulbs in rigid position
- hardened, matt glass
- light bulb replacement by unscrewing front panel
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



55939

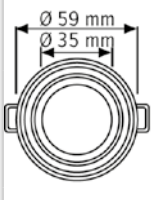
Bulb recommendation
power LED module MR11,
article no. 88883,
1 x 5.2 Watt LED module
converter e.g. 600 mA necessary

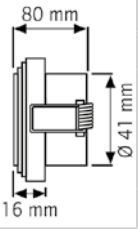


IP65 RoHS REACH

ORDERING INFORMATION

Type		
		aluminium
frosted glass	ø 50 mm	55939





usable light bulbs		
LED module	GZ4	G10
5.2 W Seite 125	max. 35 W	-
Depth 90 mm	Depth 130 mm	-



Recessed downlights, IP65
rigid, for ø 50 mm light bulbs, frosted glass

Recessed downlights, IP65
rigid, for ø 50 mm light bulbs, clear glass

- for indoor use - also use in damp rooms
- protection class IP65 when fitted in enclosed ceilings
- housing and cover ring in diecast aluminum - light bulbs in rigid position
- hardened, matt or clear glass
- light bulb replacement by unscrewing front panel
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**

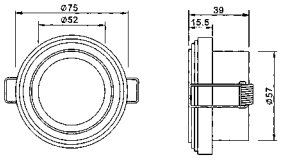

55929


55969

IP65

ORDERING INFORMATION

Type		
		aluminium
frosted glass	ø 65 mm	55929
clear glass	ø 65 mm	55969



usable light bulbs		
LED module	GZ4	G10
6.2 W 7 W 10 W from page 126	max. 50 W	-
Depth 65 / 90 mm	Depth 130 mm	-



Furniture recessed downlights

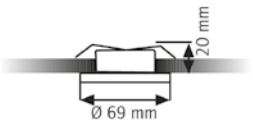
Steel furniture recessed downlight

rigid, for pin base

- for indoor use
- steel aluminum reflector
- delivery always takes place with one clear and one matt protective glass
- including G 4 base
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



R55013



usable light bulbs		
LED module	G4	GU10
Retrofit G4	max. 20 W	-

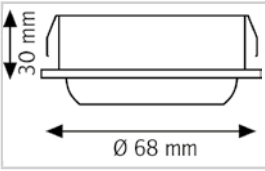
Steel furniture recessed downlight

movable, for pin base

- for indoor use
- steel aluminum reflector
- 10° movable
- including G 4 base
- luminaire suitable for lamps in energy efficiency classes: A++ to E
- **no light bulb included**



R55041



usable light bulbs		
LED module	G4	GU10
LED Retrofit G4	max. 20 W	-

ORDERING INFORMATION

Light bulbs Type		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
G4	Ø 60 mm	R55011	R55012	R55013	R55014	R55015	-	-	-	R55019
G4	Ø 60 mm	R55041	R55042	R55043	R55044	R55045	-	-	-	-

Accessories

Universal mounting G4 - GY6.35 for low voltage halogen lamps

mounting piece Ø 17 mm

Cable cross - section in mm	Cable	Article no.:
0,75	FEP cable, 160 mm with wire end ferrules	55004



GU or GZ-10 mounting for high voltage halogen lamps

mounting piece Ø 28 mm

Cable cross - section in mm	Cable	Base	Article no.:
0,75 150 mm	FEP-Cable	GZ10	55006
0,75 150 mm	FEP-Cable	GU10	55010



Tension relief for low voltage halogen lamps

with clamping bracket and 2-pole luster terminal in plastic housing

For recessed downlights	Article no.:
5505, 5537, 5538, 5539, 5535, 5547, 5584, 5534, 5536, 5586, 5887	55002
5511, 5583, 5585	55000
5503, 5508, 5548	55400



Tension relief for GU or G10 halogen lamps

with clamping bracket, 160 mm FEP cable and 2-pole luster terminal in plastic housing

For recessed downlights	Base	Cable	Article no.:
5537, 5538, 5535, 5547, 5584 5536, 5505, 5509, 5539	GU10 GZ10	160 mm	55003 55008
5511, 5585	GU10	160 mm	55007
5503, 57555 - 57560, 5555, 5567, 5568, 5580, 5581	GU10	200 mm	54995
57655 - 7657	GU10	300 mm	54996

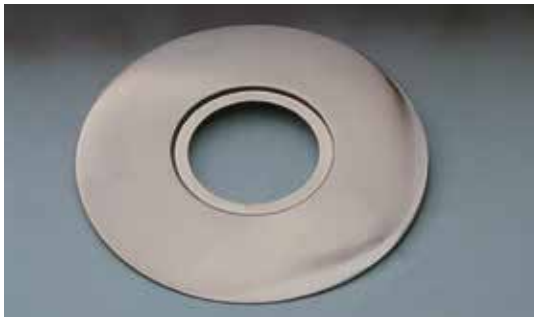


Decorative perforated screen for internal area

with spring shoes*

For recessed downlights	Colour code	Article no.:
5535, 5537, 5585, 5505, 5584	1, 3, 4, 5	5549 + Farbcode

* Delivery takes place with 2 spring shoes for extending the existing springs.
Overall size 186 mm/internal size 69 mm



Boxes

Depth	Diameter	For recessed downlights	Article no.:
69 mm	53 mm	5534	55420
80 mm	63 mm	R5511	55432
86 mm	68 mm	5505, 5509, 5515,5535, 5537, 5547	55430



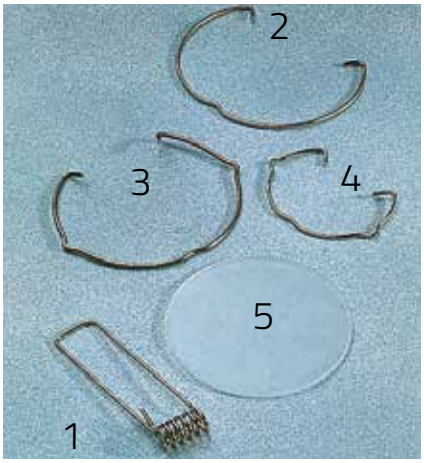
Cleaning products

Description	Article no.:
Sponge for stainless steel, wood, colour	55316
Avery surface cleaner for stainless steel	55317



Spare parts

Description	Dimensions	For recessed downlights	Article no.:
1 side spring	50 mm	all	55301
1 side spring	35 mm	all	55307
2 clip ring	MR - 16	5505, 5506	55302
3 clip ring	MR - 16	5503, 5584, 5535, 5538, 5539	55303
4 clip ring	MR - 11	5534, 5583	55304
5 frosted glass	2 x 48	5501	99007
clip ring 304		5508, 5509	55312



Article no. 55433 ceiling spacers

Material:	Polyamid, 25 % glassfibre-reinforced
Colour:	black
Temperature range:	-20°C to +120°C, short-term up to 140°C
Properties:	flame-retardant, V0, halogen-free
Weight:	0.017 kg / pc
Installation diameter:	60 to 82 mm
Glow wire test:	850°C
Bulbs:	max. 50 W cool beam reflector

Depth 75 mm





connect wires | fix terminal block | press springs | put in the ceiling | press on thorns | remouve thorns | put dowunlight in

Sales promotion



Article no. 10069
Display for
TALU recessed downlights



Article no. 10068
Display for
SANYA recessed downlights



Article no. 10059
Display for
TULKA recessed downlights



Article no. 10005
Display for
recessed downlights

Example





This is the presentation of our range of products direct at customer side at regional and wholesaler-fairs.
All in all we got three booth for exhibiting at different fairs at once, therefore we have a good presentation of our new and best selling items.

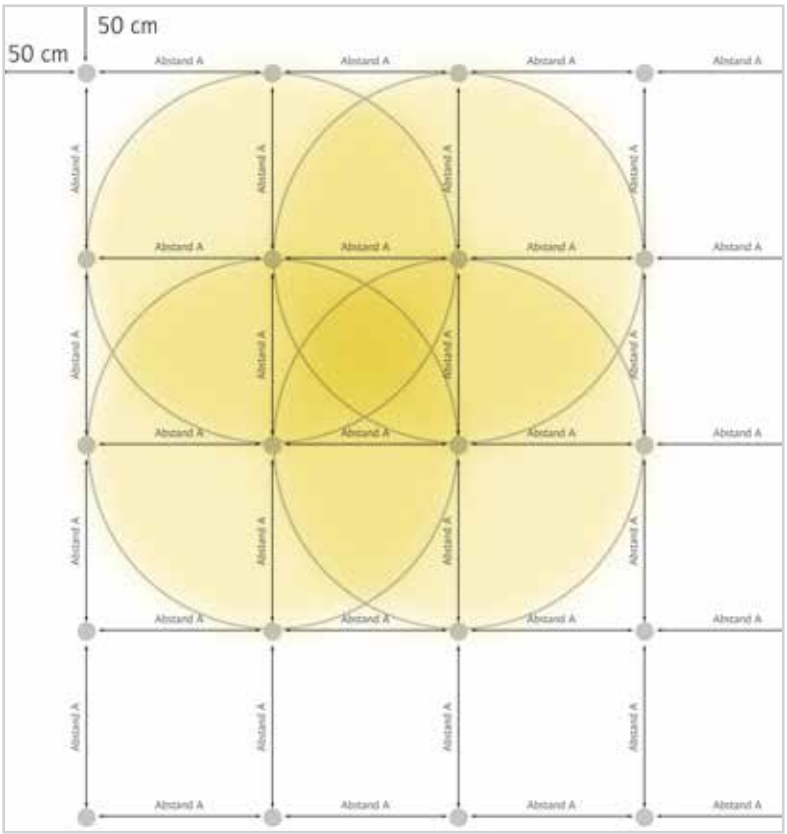
Thus we are a strong partner as well as for your exhibition.

The recommendations are guide values for basic lighting in individual rooms. Further light sources such as effects spotlights, table or standing lamps, cabinet lamps in the kitchen or mirror lamps in the bathroom influence the value upwards or downwards. Brightly decorated or wallpapered rooms require less light than rooms which are kept dark in order to attain the same brightness. The values stated do not comply with any standards but our recommendations based on many years of practical experience.

Guide values for light output in acc. w. DIN 5035 Part 2

Lighting frequent	room purpose activity
1000 Lux	testing of paints and goods fine assembly (electrical) during manufacture, retouching etc.
750 Lux	technical drawing, error-checking grinding, polishing of glass, fine assembly
500 Lux	office rooms, data processing, meeting rooms, assembly till areas in sales rooms
300 Lux	bathrooms, kitchens, workshops, sales rooms
200 Lux	living rooms, bedrooms, storage rooms, children's rooms storage rooms with reading requirements, coarse assembly archive changing, washing and toilet rooms
100 Lux	stairways, landings, storage rooms, entrance halls, garages

Rule of thumb for use of light bulbs



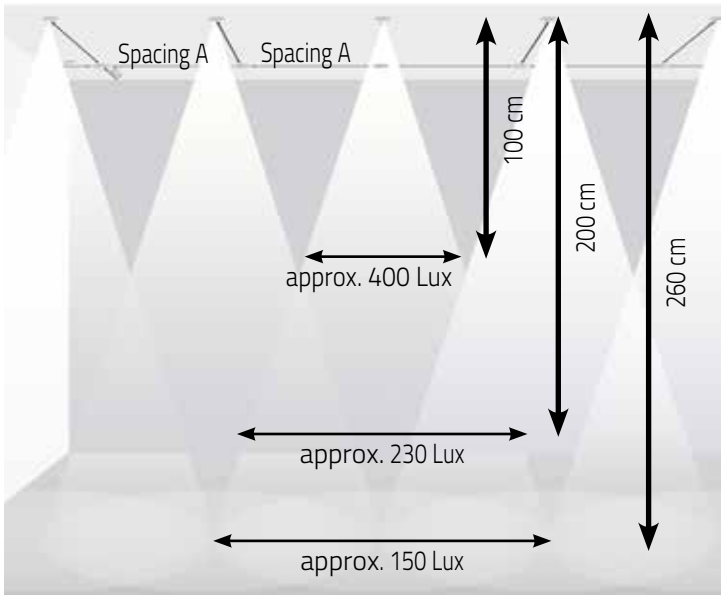
As a basic principle, the grid should start at a distance of 50 cm from the walls. If the dimensions do not allow precise observance of the grid, averages should be made.



How much light in which room?

Guide values for lighting strengths

Lighting plan
based on example of 12 V light bulbs





Spacing A (m)	LED module at approx. 40° (mA))	comparable with halogen approx. 40°	E in lx	H in m
0.65	5.2 W - 600 mA	approx. 20 W	approx. 553	1
1.3	5.2 W - 600 mA	approx. 20 W	approx. 138	2
1.95	5.2 W - 600 mA	approx. 20 W	approx. 63	3
0.65	6.2 W - 350 mA	approx. 50 W	approx. 1533	1
1.3	6.2 W - 350 mA	approx. 50 W	approx. 383	2
1.95	6.2 W - 350 mA	approx. 50 W	approx. 171	3
0.65	10 W - 350 mA	approx. 75 W	approx. 2130	1
1.3	10 W - 350 mA	approx. 75 W	approx. 532	2
1.95	10 W - 350 mA	approx. 75 W	approx. 260	3



IP Protection

Zone 0
In baths or showers it is imperative that low voltage (max.12 V) is used. The minimum IP protection is IPX7 (safeguarded against water ingress).

Zone 1
PX5 is prescribed for wall areas in the shower and in tiled areas subject to sprayed water. Max. 50 V.

Zone 2
IPX4 is prescribed in areas 60 cm away from Zone 1.

Zone 3
No specific IP protection is necessary outside zones 0, 1 and 2 as long as no cleaning using direct water spraying takes place.

IP abbreviation set up:

IP protection classes are stated using specified abbreviations which always consist of the code letters I and P followed by two digits for the existing level of protection.

Code letters IP	Protection against contact and ingress of foreign bodies and water
first code digit 0-6	Protection level against contact and ingress of foreign bodies
second code digit 0-8	Protection level against ingress of water

Protection level for contact and foreign body protection

First code digit	Designation	Protection level description
0	No protection	No special protection
1	Protection against large foreign bodies	Protection against accidental, large-area contact e.g. with the hand No protection against intentional access to these parts. Protection against ingress of solid foreign bodies larger than 50 mm.
2	Protection against medium-sized foreign bodies	Protection against finger contact with live parts or internal moving parts. Protection against ingress of solid foreign bodies larger than 12 mm.
4	Protection against grain-shaped foreign bodies	Protection against contact with live parts or internal moving parts with tools, wires etc. thicker than 1 mm. Protection against the ingress of solid foreign bodies larger than 1 mm. Does not apply to cooling air openings and condensate drainage holes in machines which can be awarded protection level 2.
5	Protection against dust deposits	Complete protection against contact with live parts or internal moving parts. Protection against dust deposits. The ingress of dust is not completely prevented but limited to an extent that the machine's operation is not impaired.
6	Dustproof	No ingress of dust

Protection levels for water protection

Second code digit	Designation	Protection level description
0	No protection	No special protection
1	Protection against vertically falling water drops	Water drops which fall vertically onto the light may not have any negative consequences.
2	Protection against inclined falling water drops	Water drops which fall at any angle between 15° and vertical may not have any negative consequences.
3	Protection against spray	Water which falls at any angle between 60° and vertical may not have any negative consequences.
4	Protection against spray water	Water which sprays from any direction against the light may not have any negative consequences.
5	Protection against water jets	A water jet from a nozzle which is aimed at the light from any direction may not have any negative consequences.
6	Protection against flooding	Water may not ingress the machine in damaging quantities in cases of short-term flooding.
7	Protection against immersion	Water may not ingress in damaging quantities if the light is immersed in water under the specified pressure and time conditions.
8	Protection against submersion	Water may not ingress in damaging quantities if the light is submerged in water under the specified pressure and for an unspecified time.



LED Modules



Power LED Module, 5.2 W

35 mm, with reflector, 626 lumens

- 1 x Power LED Bridgelux V6 chip, 5.2 W
- dimmable
- light colour: 3000 K
- beam angle: 40°
- CRI 80
- for operation with converter constant current 600 mA
- excellent heat dissipation due to optimised aluminum heatsink
- aluminum reflector with halogen appearance and uniform light distribution
- lifespan L70: ≥ 50,000 hours

series connection

Energy efficiency class A++

ORDERING INFORMATION

Type	Diameter mm	Length mm	Light colour K	Colour Rendering	Light flux lm	Current mA	Article no.
LED module	35	55	3000	CRI 80	626	600	88883

Required accessories

Constant current converter Article no. 85950, 600 mA (see overview on p. 426)



Recessed spotlights for MR11 e. g. Art. no.5583, 5534, ALU5577, ALU5554, R5563, R5564



Optional accessories

Dimmable constant current converter 85955 (see overview on p. 428)



Required accessories

Constant current converter 350 mA, e.g. 85442 (see overview on p. 426)



Recessed spotlights for MR16 e. g. Art. no.ALU5535, ALU5537, ALU5578



Optional accessories

Dimmable constant current converter (see overview on p. 428) - please note: power supply mA be required



LED MODULES



Power LED Module, 6.2 W

50 mm, with reflector, more than 650 lumens

- 1 x Power LED Array Luminus CXM-7 (USA) 6.2 W
- dimmable
- light colour: 2700 K and 3000 K
- beam angle: 38°
- CRI 90
- for operation with converter constant current 350 mA
- excellent heat dissipation due to optimised aluminum heatsink
- aluminum reflector with halogen appearance and uniform light distribution.
- lifespan L70: ≥ 50,000 hours

CE series connection RoHS REACH

Energy efficiency class A++

ORDERING INFORMATION

Type	Diameter mm	Length mm	Light colour K	Colour Rendering	Light flux lm	Current mA	Article no.
Power LED Luminus CXM-7 NEW	50	55	3000	CRI 90	686	350	88816
Power LED Luminus CXM-7 NEW	50	55	2700	CRI 90	670	350	88806



Power LED Module, 7 W

50 mm, with reflector, Dim To Warm (DTW)

- 1 x Power LED COB chip Sharp 7 W
- dimmable
- light colour: 2800 K until 2200 K (in dimming process the light colour will turn warmer)
- beam angle: 38°
- CRI 80
- for operation with converter constant current 350 mA
- excellent heat dissipation due to optimised aluminum heatsink
- aluminum reflector with halogen appearance and uniform light distribution
- lifespan L70: ≥ 50,000 hours

series connection

Energy efficiency class A+

Type	Diameter mm	Length mm	Light colour K	Colour Rendering	Light flux lm	Current mA	Article no.
LED module	50	55	2800 - 2200	CRI 80	max. 520	350	88823

Required accessories

Dimmable constant current converter 350 mA
Art. no.85445
(p.. 438)



Recessed spotlights for MR16e. g. Art. no. ALU5568, ALU5537, ALU5578



Required accessories

Constant current converter 350 mA
(see overview on p. 426)
e. g. 85443



Recessed spotlights for MR16 e. g. Art. no. ALU5535, ALU5537, ALU5578



Optional accessories

Dimmable constant current converter (see overview on p. 428) - please note: power supply mA be required
e. g. 85446





Power LED Module, 10 W

50 mm, with reflector, more than 800 lumens

- 1 x Power LED Array Bridgelux (USA) 10 W
- dimmable
- light colour: 2700 K, 3000 K
- beam angle: 43° and 60°
- CRI 80 / CRI 90
- for operation with converter constant current 350 mA
- excellent heat dissipation due to optimised aluminum heatsink
- aluminum reflector with halogen appearance and uniform light distribution
- lifespan L70: ≥ 50,000 hours

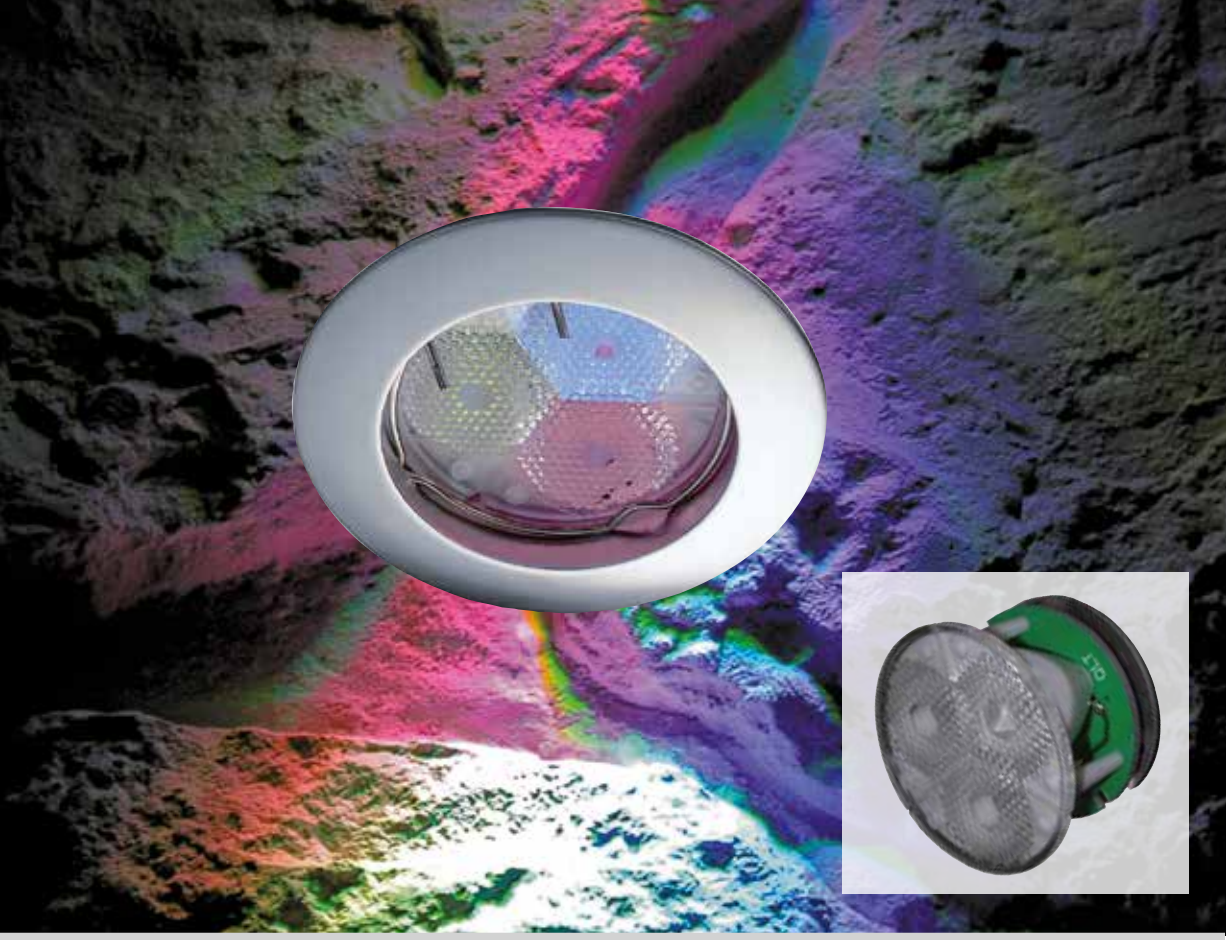
88806, 88809: Energy efficiency class A+

others: Energy efficiency class A++

CE series connection RoHS REACH

ORDERING INFORMATION

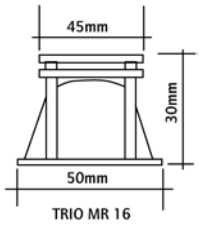
Type	Diameter mm	Length mm	Light colour K	Beam angle °	Light flux lm	Current mA	Article no.
LED module, CRI 80	50	70	2700	43	1187	350	88869
LED module, CRI 80	50	70	3000	43	1373	350	88879
LED module, CRI 90	50	70	2700	43	838	350	88809
LED module, CRI 90	50	70	3000	43	1165	350	88819
LED module, CRI 90	50	70	2700	60	838	350	88808
LED module, CRI 90	50	70	3000	60	1183	350	88818



RGB LED Spot-Trio Color red, green, blue

Power RGB LED Spot, 3 x 1 W LUXEON, 350 mA

- light flux: 150 lumens
- beam angle: 45°
- supplied incl. 2 x CB064, 30 cm 4-pole cable (M / F) with AMP plug



Can be used in all halogen recessed downlights in our range which are suitable for the MR16 light bulb with the exception of the following types:
5506, 5536, 5550, 5586 and 5588

series connection

Energy efficiency class **A**

ORDERING INFORMATION

Type	Diameter mm	Length mm	Light colour	Beam angle °	Current mA	Article no.
RGB LED Spot-Trio	50	30	red, green, blue	45	350	88765

Required accessories

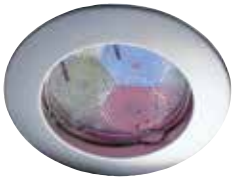
LED power ballast
(see overview from p. 414)



and
RGB Controller
(see overview from p. 442)



Recessed spotlights



Optional accessories

Touchpanels (from p. 467)



Required accessories

Constant current converter 700 mA
(see overview on p. 426)
e. g.85430



Recessed spotlights for QRB 111, e. g. Art. no. 57660, ALU5580 or ALU5581



Optional accessories

Dimmer
(see overview from p. 450)
please note: power supply required





POWER LED Modul 13 W

111 mm, with reflector, more than 900 lumens

- 1 x Power LED Array Bridgelux (USA) 13 Watt
- dimmable
- light colour: 3000 K
- beam angle: 24°
- for operation with converter constant current 700 mA
- aluminum reflector with uniform light distribution
- including 20 cm connection cable with plug and socket
- lifespan L70: ≥ 50,000 hours
- **no constant current converter included**

series connection

Energy efficiency class A

ORDERING INFORMATION

Type	Diameter mm	Length mm	Light colour K	Light flux lm	Current mA	Article no.
LED module	111	70	3000	960	700	88897



POWER LED Modul 18 W

111 mm, with reflector, more than 1700 lumens

- 1 x Power LED Array Bridgelux (USA) 18 Watt
- light colour: 3000 K (± 100 K)
- beam angle: 40°
- for operation with converter constant current 500 mA
- excellent heat dissipation due to optimised aluminum heatsink
- aluminum reflector with uniform light distribution
- including 15 cm connection cable with plug and socket
- lifespan L70: ≥ 50,000 hours
- **no constant current converter included**

series connection

Energy efficiency class A+

Type	Diameter mm	Length mm	Light colour K	Light flux lm	Current mA	Article no.
LED module	111	66	3000	1700	500	88810

Required accessories

Constant current converter 500 mA (DALI Art. no. 80790, p. 466)



Recessed spotlights for QRB 111, e. g. Art. no.57660, ALU5580 or ALU5581

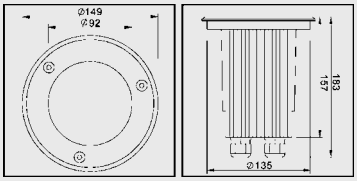






Stainless steel surfaces need regular care. Please do not use acid cleaning products. We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.





Kementari L

Inground spotlight IP67 incl. 14 W power LED module and converter or GU10 light bulb up to 50 W (not included)

- housing in diecast aluminum, coated with corrosion-resistant polyester powder coating
- front panel in corrosion-resistant 316 stainless steel no. 1.4401, X 5 CrNiMo 17-12-2. ASTM No. 316
- hardened safety glass, thickness 10 mm
- light bulb adjustable 30° for symmetrical and asymmetrical light distribution
- cable gland M16 (Article no. 59050: 2 x)
- connecting line 3 x 1.5 mm², L 1 m (only for 59057)
- including plastic installation pot
- protection class IP67
- accepts rolling loads of up to 2 t
- LED: including light bulb, other: not included

Outer diameter mm	Hole size with installation pot mm	Hole size without installation pot mm	Installation Depth with installation pot mm
149	140	135	196

IP67

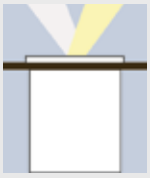
ORDERING INFORMATION

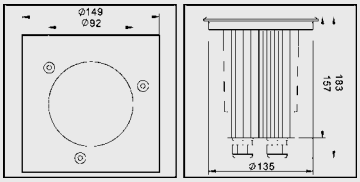
Type	light bulbs	Diameter mm	Light colour K	Beam angle °	Light flux lm	Lifespan L70	Article no.	Energy efficiency	
Kementari L	diverse GU10	50	-	-	-	-	59050	A++ to E	
Kementari L 14 W	LED	50	3000	60	595	≥ 30,000 hours	59087	A	NEW

Article	Article no.
Replacement glass	59049
Ceramic paste	59048
Replacement seal	59024
Screws	59025
316 ring	59026



Stainless steel surfaces need regular care. Please do not use acid cleaning products. We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.





Kementari LQ

Inground spotlight IP67 incl.10 W power LED MODULE and converter or GU10 light bulb up to 50 W (not included)

- housing in diecast aluminum, coated with corrosion-resistant polyester powder coatingg
- front panel in corrosion-resistant 314 stainless steel no. 1.4401, X 5 CrNiMo 17-12-2. ASTM No. 316
- hardened safety glass, thickness 10 mm
- light bulb adjustable 30° for symmetrical and asymmetrical light distribution (except 59067)
- cable gland M16 (Article no. 59060: 2 x)
- connecting line 3 x 1.5 mm², L 1 m (only for 59057)
- including plastic installation pot
- protection class IP67
- accepts rolling loads of up to 2 t
- LED: including light bulb, other: not included

Outer diameter mm	Hole size with installation pot mm	Hole size without installation pot mm	Installation Depth with installation pot mm
149	140	135	196

IP67

ORDERING INFORMATION

Type	light bulbs	Diameter mm	Light colour K	Beam angle °	Light flux lm	Lifespan L70	Article no.	Energy efficiency
Kementari LQ	diverse GU10	50	-	-	-	-	59060	A++ to E
Kementari LQ 10 W	LED	50	3000	65°	591	≥ 30,000 hours	59067	A

Article	Article no.
Replacement glass	59049
Ceramic paste	59048
Replacement seal	59024
Screws	59025



VARDAFLEX

LED strips
for indoor use
for indoor and outdoor use

LED General aspects

LED Activation

A basic LED characteristic is for a rise in power consumption to bring about a rise in light output. However, rising thermals will result in excessive power ruining the LEDs within a very short time. Manufacturer tolerances and temperature differences can cause the LED forward voltage to vary. That is why there are only two sensible LED activations at the moment:

1. Voltage source with series resistance (12/24 V DC power supply units).
2. Linear regulator with power control (constant current converter). The linear regulator generates a firmly definable, constant amperage and light intensity.

Light Current – Thermal Management

LEDs operate best at-40°C. The light current decreases linearly as temperatures rise. Even at room temperatures the degradation of light intensity is over 40%. As such, LED thermal management is crucial for light efficiency. Heat needs to be rapidly and totally discharged from the LED PCB.

LED Service Life

LED service life hinges on two main factors: Operating temperature and current. Use of our power supply units and constant current converters ensures adherence to the planned current limits and an excellent operating temperature.
LEDs have a 85 °C to 100 °C limit which is measured on the diode. Thus power LEDs need to be deployed at ventilated points well away from any heat sources.

White LED Light - Binning

LEDs have a forward voltage of 2.3 to just under 4 V which produces different wavelength ranges. To ensure a uniform appearance, LEDs need to be sorted by luminous colours (binning). We test and document all deliveries coming in on the basis of batch and luminous colour and store them separately. This allows us to guarantee our customers a constant luminous colour. RGB strips are white point-tested and stored (all colours to 100%).
Two types of white LED can be attained:

1. As a mix of red, green and blue LED light (RGB)
2. As white LED

We would not recommend using RGB lamps to generate white light since the white tones do not appear pure enough. To this end, there are white LEDs.
White LEDs are actually blue LEDs with a phosphorous fluorescent coating. White lights is always Marked in keeping with following designations: "flame" from 1500 to 1699 K, "gold" from 1700 to 2100 K, "bronze" from 2101 to 2299 K, "ultra warm white (UWW)" from 2300 to 2900 K, „warm white (WW)" from 2901 to 3200 K, „neutral white (NW)" from 3800 to 4500 K, "daylight" from 4800 to 5699 K, „white" (W) from 5700 to 6700 K and "iceblue" with 25000 K.

Colour Rendering

The Colour Rendering Index (CRI) is established in acc. with CIE (1995) by means of eight test colours which are less saturated (R96 method). A vivid red and yellow of the more recent 1999 (R96a) method with 10 test colours supplements the eight pastel ones.
Thanks to the latest phosphorous coatings, LEDs can come up with a CRI in excess of more than 95. Do make a note in this respect of our LED Strip VARDAflex Superior (up to CRI 98) on page 158, 160, 178 and 222

Power Supply Units and Constant Current Converters - Harmonics Standard EN61000 - 3 - 2

Within the EU the EN61000-3-2 harmonics standard governs public grid impurities. A power factor correction is prescribed for the lighting total input power under continuous operations being higher than 25 W. This also applies to applications where a number of power supply units are run in parallel. That is why we have public supply units with active PFC for higher power rates in our range.

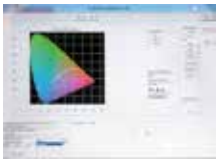
Light Flux Tester for LED with 210 mm Integrating Sphere

In view of the above problem involving thermals degrading LED light, it is often difficult to understand LED manufacturer particulars on the light-related figures. Many light flux particulars have arisen under laboratory conditions at temperatures which are not always related to the practical world.
Our light flux tester complete with the integrating sphere allows us to precisely determine both the light flux and luminous colour. As a result, we can come up with the best possible binning (light colour-based LED grading).









How do you find the right strip?

APPLICATION RANGE

- Indoor (IP20) from page 148
- Outdoor (IP65/68) from page 276

LUMINOUS INTENSITY
(in lumen per metre run)-also see page 146 brightness comparison

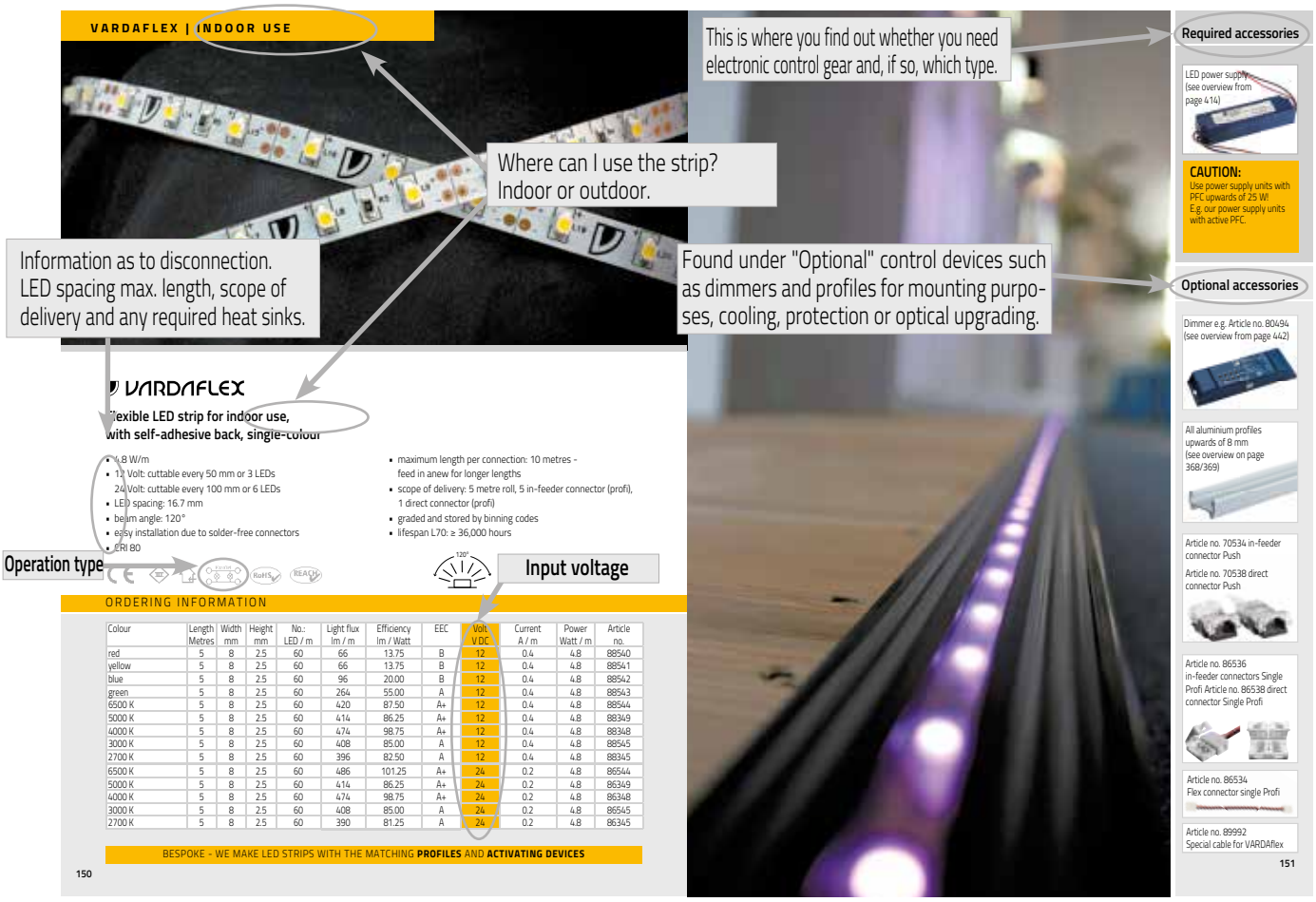
- Accent lighting (<= 372 lm)
- Additional lighting (-744 lm)
- Base lighting (>= 1428 lm)

PROFILES - also see page 368 aluminium profiles overview
(recommendation for indirect lighting: flat profile + clear cover)
(recommendation for direct lighting: deep profile + matt cover)

- Without profile (LED strip <= 14,4 W / m)
- Dust protection (corresponding profile + clear cover)
- Cooling (LED strip >= 14,4 W / m)

OPERATION METHOD

- Switch-enabled (ON / OFF)
  - Power supply - page 414
- can be regulated (e.g. radio; KNX; DMX; DALI)
  - Power supply + controller - page 442 (z.B. radio; KNX; DMX; DALI)



Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	EEC	Volt VDC	Current A / m	Power Watt / m	Article no.
red	5	8	2.5	60	66	13.75	B	12	0.4	4.8	88540
yellow	5	8	2.5	60	66	13.75	B	12	0.4	4.8	88541
blue	5	8	2.5	60	96	20.00	B	12	0.4	4.8	88542
green	5	8	2.5	60	264	55.00	A	12	0.4	4.8	88543
6500 K	5	8	2.5	60	420	87.50	A+	12	0.4	4.8	88544
5000 K	5	8	2.5	60	414	86.25	A+	12	0.4	4.8	88349
4000 K	5	8	2.5	60	474	98.75	A+	12	0.4	4.8	88348
3000 K	5	8	2.5	60	408	85.00	A	12	0.4	4.8	88545
2700 K	5	8	2.5	60	396	82.50	A	12	0.4	4.8	88345
6500 K	5	8	2.5	60	486	101.25	A+	24	0.2	4.8	86544
5000 K	5	8	2.5	60	414	86.25	A+	24	0.2	4.8	86349
4000 K	5	8	2.5	60	474	98.75	A+	24	0.2	4.8	86348
3000 K	5	8	2.5	60	408	85.00	A	24	0.2	4.8	86545
2700 K	5	8	2.5	60	390	81.25	A	24	0.2	4.8	86345

Easy installation

VARDAflex soldering - free plug-in system

Installation of LED strips for indoor use



Easy shortening to required length at the prepared points



Easy, solder-free connection of several strips with direct connector (profi)



Easy, solder-free attaching with the inductor / flex connector (profi)

NEW **In-feeder connector and direct connector Push**



Simply put the wires in without stripping and press the top down by tool.
Put the LED Strip in on the other side and press down the top by tool. The teeth of the connecting pins are performing the circuitboard and so obstain a strong connection with strain relief.

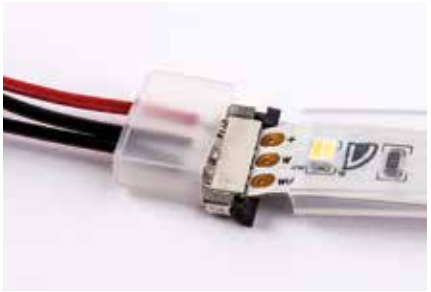


A self - adhesive back for rapid installation.

Installation of IP68 strips for outdoor use



Easy shortening to required length at the prepared points



Easy solder-free attachment / connection of several stripes



Caps are sealed with neutral, cross - linked silicone



Any connecting tubes are sealed with neutral, cross - linked silicone



Installation with neutral plastic profile 68306 / 68307 single-colour/RGB



or: use screws - on fastenings to install the strips

The corresponding catalogue pages have additional information and details on all the accessories. Do note: Particularly powerful strips need to be fitted in an aluminum profile for additional cooling (see to the right). Do also follow the instructions enclosed with the products.

Main sorts
VARDAflex strips

Category 1

Indoor use

Outdoor use (IP65-68)

Category 2

1 - colour

2 - colours (Select)

3 - colours (RGB)

4 - colours (4inOne)

5 - colours (5inOne)

Category 3

Standard Width (8 - 12 mm)

Slim strips (3.5 - 5 mm)

Width/multi row strips (Para)

Side chips (Side, asymmetrical, etc.)

Special spectrum strips (Grow, Infrared, UV)

Category 4

old name or power:

VARDAflex Standard - below 4 W

VARDAflex - 4.8 W

VARDAflex Plus - 9.6 to 12 W

VARDAflex Plus Profi -14 to 14.4 W

VARDAflex Double -18 to 21 W

VARDAflex Ultra -15 to 24 W, higher efficiency

VARDAflex Triple - 20 to 24 W

VARDAflex Double Profi - 22 to 25 W

VARDAflex High Eco - 28.8 W

VARDAflex High Performance - 32 to 36 W

VARDAflex Supra -40 to 54 W

Further designations and explanation

4inOne	RGB + white chip, in combination with only one chip
5inOne	RGB + cold white and warm white chip, in combination with only one chip
AC	230 V connection, no power supply necessary
Asymmetrical	1 Side chip and 1 normal chip - 180° beam angle (normal 120°)
Black	strip colour (only black and white as standard)
Duo	cuttable every 2 LEDs
Grow	LED strip for plant growth (special infrared spectrum)
Infrared IR	special spectrum (940 nm) to eliminate bacteria
Mini	slim strip (5 mm wide)
Nova	small LED chips, strips closely fitted
Para	parallel LED lines; in combination with a number, you get information about the quantity of lines side by side
Quantum	highly efficiency chips (approx. 150 lm/W)
Reach	long LED strips with just one in-feed, e. g. Reach30 (30 metre roll)
RGB	red, green, blue in one chip
Select	cold white and warm white LED strips
Select CRI	R9 CRI figure adjustable cold and warm white LED strips
Side	side-emitting chips
Single	cuttable every single LED
Slim	extremely slim LED strip (3.5 mm)
Superior	CRI 98 LED strips
Supra	powerful LED strips
Surround	2 Side chips and 1 normal chip - 270° beam angle
UV Black Light	special ultraviolet spectrum; white surfaces glow in the dark (disco lighting)

Our LED strips - at a glance

Type	Article no.	page	Watt/m W	Lumen/W lm	Lumen/metres lm	CRI	Volt V	Current/m A	Light colour K
VARDAflex Outdoor RGB	86706	300	6	23.3	140		24	0.25	RGB
VARDAflex RGB Side Single	77856	258	14.4	11.2	161		12	1.2	RGB
VARDAflex RGB	88546	248	7.2	27	194		12	0.6	RGB
VARDAflex RGB IP68	88566	302	7.2	27.2	196		12	0.6	RGB
VARDAflex RGB	86546	248	7.2	27.5	198		24	0.3	RGB
VARDAflex Side Mini IP67	88915	298	4.8	49.1	235.8	70	12	0.4	3500
VARDAflex Standard Eco Reach30	82317	148	3	79	237	90	24	0.125	2700
VARDAflex Standard Eco Reach30	82315	148	3	80	240	90	24	0.125	3000
VARDAflex Standard Eco Reach30	82318	148	3	82.3	247	90	24	0.125	4000
VARDAflex Nano Double RGB IP66	81576	306	14.4	18.2	262		24	0.6	RGB
VARDAflex Side Mini Plus	88695	224	4.8	58	278	80	12	0.4	3000
VARDAflex Outdoor RGB Double	86736	304	12	23.3	280		24	0.5	RGB
VARDAflex CRI95	86417	152	4.8	68.8	330	95	24	0.2	2700
VARDAflex Eco Reach20	82207	156	5	66.8	334	90	24	0.21	2700
VARDAflex IP67	86475	278	4.8	70	336	75	24	0.2	3000
VARDAflex Superior Reach25	79312	160	4.8	70	336	98	24	0.2	2400
VARDAflex CRI95	86414	152	4.8	71.3	342	95	24	0.2	6500
VARDAflex CRI95	86415	152	4.8	71.3	342	95	24	0.2	3000
VARDAflex CRI95	88414	152	4.8	71.3	342	95	12	0.4	6500
VARDAflex CRI95	88415	152	4.8	71.3	342	95	12	0.4	3000
VARDAflex Eco Reach20	82205	156	5	68.4	342	90	24	0.21	3000
VARDAflex Eco Reach20	82208	156	5	69.6	348	90	24	0.21	4000
VARDAflex Superior Reach25	79317	160	4.8	72.9	350	98	24	0.2	2700
VARDAflex Superior Reach25	79315	160	4.8	73.8	354	98	24	0.2	3000
VARDAflex AC Eco IP65	74925	284	8	45	360	90	230	0.034	3000
VARDAflex RGB Double IP68	86549	302	14.4	25.4	366		24	0.6	RGB
VARDAflex RGB Double IP68	88549	302	14.4	25.4	366		12	1.2	RGB
VARDAflex Superior Reach25	79318	160	4.8	76.5	367	98	24	0.2	4000
VARDAflex Outdoor RGB Intelligence Eight	86757	310	12	30.8	369		24	0.5	RGB
VARDAflex Nano IP66	81575	276	4.8	77.5	372	80	24	0.2	3000
VARDAflex Nano IP66	81585	276	4.8	77.5	372	80	24	0.2	3000
VARDAflex	86345	150	4.8	81.3	390	80	24	0.2	2700
VARDAflex	88345	150	4.8	82.5	396	80	12	0.4	2700
VARDAflex RGB Double	86576	248	14.4	27.5	396		24	0.6	RGB
VARDAflex Superior	79417	158	4.8	83.5	401	98	24	0.2	2700
VARDAflex IP68	88565	280	4.8	83.8	402	70	12	0.4	3000
VARDAflex Plus IP68	88165	288	9.6	83.8	402	80	12	0.8	3000
VARDAflex	86545	150	4.8	85	408	80	24	0.2	3000
VARDAflex	88545	150	4.8	85	408	80	12	0.4	3000
VARDAflex IP68	86564	280	4.8	85	408	80	24	0.2	6500
VARDAflex Nano IP66	81565	276	4.8	85	408	80	24	0.2	3000
VARDAflex Superior	79415	158	4.8	86	413	98	24	0.2	3000
VARDAflex	86349	150	4.8	86.3	414	80	24	0.2	5000
VARDAflex	88349	150	4.8	86.3	414	80	12	0.4	5000
VARDAflex IP68	86565	280	4.8	86.3	414	80	24	0.2	3000
VARDAflex Nova RGB	84575	250	14.4	28.9	416		24	0.6	RGB
VARDAflex	88544	150	4.8	87.5	420	80	12	0.4	6500
VARDAflex Outdoor	86905	282	6	70	420	70	24	0.25	3000
VARDAflex Superior	79418	158	4.8	89.4	429	98	24	0.2	4000
VARDAflex RGB+WW	86512	262	9.6	45	432	80	24	0.4	RGB/2700
VARDAflex Nano IP66	81595	276	4.8	90.6	435	80	24	0.2	3000
VARDAflex Eco	82417	154	4.8	94.6	454	90	24	0.2	2700
VARDAflex Eco	82415	154	4.8	96.5	463	90	24	0.2	3000
VARDAflex IP68	88564	280	4.8	97.5	468	70	12	0.4	6500
VARDAflex Plus IP68	88164	288	9.6	97.5	468	80	12	0.8	6500
VARDAflex Eco	82418	154	4.8	98.3	472	90	24	0.2	4000
VARDAflex	86348	150	4.8	98.8	474	80	24	0.2	4000
VARDAflex	88348	150	4.8	98.8	474	80	12	0.4	4000
VARDAflex Plus	86149	162	9.6	49.4	474	80	24	0.4	25000
VARDAflex	86544	150	4.8	101.25	486	80	24	0.2	6500
VARDAflex Nova Plus	82861	170	12	43	516	90	24	0.5	1800
VARDAflex AC Eco IP65	74928	284	8	64.9	519	90	230	0.034	4000
VARDAflex Outdoor Plus Opal	86873	292	12	45	540	60	24	0.5	2700
VARDAflex Side Mini IP67	88954	298	7.2	78	561.6	70	12	0.6	6500
VARDAflex Side Mini Plus	88944	224	4.8	78	562	80	12	0.4	6500
VARDAflex Outdoor RGBW Intelligence Eight	86758	314	15	37.9	569		24	0.625	RGBW
VARDAflex Plus	86439	162	9.6	64.6	620	96	24	0.4	3000K, Full Spectrum
VARDAflex Outdoor	86934	282	6	104	624	70	24	0.25	6500
VARDAflex Select	88523	238	9.6	66.3	636	80	12	0.8	2700/amber
VARDAflex Select	88530	238	9.6	66.3	636	80	12	0.8	2700/red
VARDAflex Outdoor Plus Opal	86875	292	12	55	660	60	24	0.5	3000
VARDAflex 4inOne-60	86520	264	19.2	34.5	663		24	0.8	RGBW-amber
VARDAflex Plus IP67	86485	278	9.6	70	673	75	24	0.4	3000

LED/roll	LEDs/m	Total length mm	Width mm	Height mm	Length/supply m	Segment mm	Number LED/ Segment	LED spacing mm	Beam angle °	EEC	IP
300	30	10000	15.5	6	15.0	200	6	33.2	120	B	67
300	60	5000	10	1.2	5.0	16.5	1	16.7	120	D	20
150	30	5000	10	2	10.0	100	3	33	120	B	20
150	30	5000	13	4	10.0	100	3	33	120	B	68
150	30	5000	10	2	10.0	165	5	16	120	B	20
60	60	5000	9	3.5	10.0	50	3	16.7	120	A	67
1800	60	30000	10	1.5	30.0	100	6	16.7	120	A	20
1800	60	30000	10	1.5	30.0	100	6	16.7	120	A	20
1800	60	30000	10	1.5	30.0	100	6	16.7	120	A	20
300	60	5000	10	2	5.0	5000	300	16.7	120	B	66
300	60	5000	5	2	10.0	50	3	16.7	75	A	20
600	60	10000	15.5	6	10.0	100	6	16.7	120	B	67
300	60	5000	8	2.5	10.0	100	6	16.7	120	A	20
1200	60	20000	10	1.6	20.0	100	6	16.7	120	A	20
300	60	5000	8	3	10.0	100	6	16.7	120	A	67
1500	60	25000	10	1.6	25.0	100	6	16.7	120	A+	20
300	60	5000	8	2.5	10.0	100	6	16.7	120	A	20
300	60	5000	8	2.5	10.0	100	6	16.7	120	A	20
300	60	5000	8	2.5	10.0	50	3	16.7	120	A	20
300	60	5000	8	2.5	10.0	50	3	16.7	120	A	20
1200	60	20000	10	1.6	20.0	100	6	16.7	120	A	20
1200	60	20000	10	1.6	20.0	100	6	16.7	120	A	20
1500	60	25000	10	1.6	25.0	100	6	16.7	120	A+	20
1500	60	25000	10	1.6	25.0	100	6	16.7	120	A+	20
270	54	50000	15.5	6	50.0	500	27	18.51	120	A	65
300	60	5000	13	4	8.0	100	6	16.7	120	B	68
300	60	5000	13	4	8.0	50	3	16.7	120	B	68
1500	60	25000	10	1.6	25.0	100	6	16.7	120	A+	20
560	56	10000	15.5	6	10.0	125	7	17.8	120	B	67
60	60	1000	8	2.5	1.0	1000	60	16.7	120	A	66
30	60	500	8	2.5	0.5	500	30	16.7	120	A	66
300	60	5000	8	2.5	10.0	100	6	16.7	120	A	20
300	60	5000	8	2.5	10.0	50	3	16.7	120	A	20
300	60	5000	10	2	8.0	100	6	16.7	120	B	20
300	60	5000	8	1.4	5.0	100	6	16.7	120	A+	20
300	60	5000	11	4	10.0	50	3	16.7	120	A+	68
600	120	5000	11	4	10.0	25	3	8.33	120	A	68
300	60	5000	8	2.5	10.0	100	6	16.7	120	A	20
300	60	5000	8	2.5	10.0	50	3	16.7	120	A	20
300	60	5000	11	4	10.0	100	6	16.7	120	A+	68
300	60	5000	8	2.5	5.0	5000	300	16.7	120	A	66
300	60	5000	8	1.4	5.0	100	6	16.7	120	A+	20
300	60	5000	8	2.5	10.0	100	6	16.7	120	A+	20
300	60	5000	8	2.5	10.0	50	3	16.7	120	A+	20
300	60	5000	11	4	10.0	100	6	16.7	120	A+	68
300	60	5000	10	3.5	5.0	100	6	16.7	120	B	20
300	60	5000	8	2.5	10.0	50	3	16.7	120	A+	20
300	30	10000	13.5	6	15.0	200	6	33.2	120	A	67
300	60	5000	8	1.4	5.0	100	6	16.7	120	A+	20
300	60	5000	12	2.6	5.0	167	10	16.7	120	A	20
120	60	2000	8	2.5	2.0	2000	120	16.7	120	A	66
350	70	5000	8	2	10.0	100	7	14.8	120	A+	20
350	70	5000	8	2	10.0	100	7	14.8	120	A+	20
300	60	5000	11	4	10.0	50	3	16.7	120	A+	68
600	120	5000	11	4	10.0	25	3	8.33	120	A+	68
350	70	5000	8	2	10.0	100	7	14.8	120	A+	20
300	60	5000	8	2.5	10.0	100	6	16.7	120	A+	20
300	60	5000	8	2.5	10.0	50	3	16.7	120	A+	20
600	120	5000	8	2.2	10.0	50	6	8.33	120	A	20
300	60	5000	8	2.5	10.0	100	6	16.7	120	A+	20
600	120	5000	10	2.0	10.0	50	6	8.33	120	A	20
270	54	50000	15.5	6	50.0	500	27	18.51	120	A	65
600	60	10000	13.5	6	10.0	100	6	16.7	120	A	65
600	120	5000	11	2.5	10.0	25	3	8.33	120	A	67
600	120	5000	8	2	10.0	25	3	8.33	75	A	20
280	56	5000	15.5	6	5.0	125	7	17.8	120	B	67
600	120	5000	8	2.2	10.0	50	6	8.33	120	A	20
300	30	10000	13.5	6	15.0	200	6	33.2	120	A+	67
600	120	5000	8	1.8	8.0	50	6	8.33	120	A	20
600	120	5000	8	1.8	8.0	50	6	8.33	120	A	20
600	60	10000	13.5	6	10.0	100	6	16.7	120	A	65
300	60	5000	10	2.0	5.0	100	6	16.7	120	B	20
600	120	5000	8	3	10.0	50	3	8.33	120	A	67

Type	Article no.	page	Watt/m W	Lumen/W lm	Lumen/metres lm	CRI	Volt V	Current/m A	Light colour K
VARDAflex Double RGB+W+A	86526	274	19.2	35.1	674		24		RGB+6500+amber
VARDAflex RGB Ultra	84577	254	23	29.8	685		24	0.96	RGB
VARDAflex Nova RGB Double	84576	252	19.2	35.8	688		24	0.8	RGB
VARDAflex RGB Side Ultra	74856	260	32	21.7	695		24	1.33	RGB
VARDAflex Plus Eco Reach15	82217	168	10	70.2	702	90	24	0.42	2700
VARDAflex Plus Eco	82437	166	9.6	75	720	90	24	0.4	2700
VARDAflex Plus Eco Reach15	82215	168	10	72.4	724	90	24	0.42	3000
VARDAflex Nano Plus IP66	81165	286	9.6	77.5	744	80	24	0.4	3000
VARDAflex Plus CRI90	86437	164	9.6	77.5	744	90	24	0.4	2700
VARDAflex Plus Eco Reach15	82218	168	10	75	748	90	24	0.42	4000
VARDAflex Plus Eco	82435	166	9.6	81.3	780	90	24	0.4	3000
VARDAflex Plus	86141	162	9.6	83.2	799	80	24	0.4	1700
VARDAflex RGB+W+A	86525	274	19.2	42	806		24		RGB+6500+amber
VARDAflex Superior Plus Profi Reach10	79322	178	14.4	56.5	814	98	24	0.6	2400
VARDAflex Plus	86319	162	9.6	85	816	80	24	0.4	5000
VARDAflex Plus	88319	162	9.6	85	816	80	12	0.8	5000
VARDAflex 4inOne-60	79541	264	19.2	43	825	80	24	0.8	RGBW-2200
VARDAflex Plus Eco	82438	166	9.6	86.3	828	90	24	0.4	4000
VARDAflex Superior Plus Profi Reach10	79327	178	14.4	57.7	832	98	24	0.6	2700
VARDAflex Nova Plus	82863	170	12	69.5	834	90	24	0.5	2700
VARDAflex Outdoor Plus	86885	290	12	70	840	70	24	0.5	3000
VARDAflex Superior Plus Profi Reach10	79325	178	14.4	58.3	840	98	24	0.6	3000
VARDAflex 4inOne-60	86522	264	19.2	44	846	80	24	0.8	RGBW-3000
VARDAflex Nano RGBW (ein Chip) IP66	81522	312	19.2	44	846	80	24	0.8	RGBW
VARDAflex Plus	86315	162	9.6	88.8	852	80	24	0.4	2700
VARDAflex Plus	88315	162	9.6	88.8	852	80	12	0.8	2700
VARDAflex Select	86528	238	9.6	89.5	859	80	24	0.4	2200-4000
VARDAflex 4inOne-60	79542	264	19.2	44.8	860	80	24	0.8	RGBW-2700
VARDAflex Superior Plus Profi Reach10	79328	178	14.4	60	866	98	24	0.6	4000
VARDAflex 4inOne-60	79543	264	19.2	45.1	867	80	24	0.8	RGBW-3000
VARDAflex 4inOne-60	86523	264	19.2	45.6	876	80	24	0.8	RGBW-4000
VARDAflex Nova Plus	82865	170	12	73	876	90	24	0.5	3000
VARDAflex Plus	86144	162	9.6	91.4	877	80	24	0.4	6500
VARDAflex Plus	88144	162	9.6	91.4	877	80	12	0.8	6500
VARDAflex Nova Plus	82868	170	12	74	888	90	24	0.5	4000
VARDAflex Nova Double	82871	188	19.2	46.8	898	90	24	0.8	1800
VARDAflex 4inOne-60	86521	264	19.2	46.9	900	80	24	0.8	RGBW-6500
VARDAflex Nano Plus IP66	81195	286	9.6	93.8	900	80	24	0.4	3000
VARDAflex Slim	84603	210	10	91.8	918	90	24	0.42	2700
VARDAflex Plus	86145	162	9.6	96.3	924	80	24	0.4	3000
VARDAflex Plus	88145	162	9.6	96.3	924	80	12	0.8	3000
VARDAflex Plus Profi	86159	172	14.4	64.3	927	80	24	0.6	25000
VARDAflex Slim	84605	210	10	92.7	927	90	24	0.42	3000
VARDAflex RGB Para	84578	256	28	33.3	932		24	1.17	RGB
VARDAflex Slim	84608	210	10	94.6	946	90	24	0.42	4000
VARDAflex Plus	86318	162	9.6	98.8	948	80	24	0.4	4000
VARDAflex Plus	88318	162	9.6	98.8	948	80	12	0.8	4000
VARDAflex Select-CRI	75530	240	16.8	64.7	1087	80	24	0.7	2500-R-6100
VARDAflex Plus Profi	86151	172	14.4	75.9	1093	80	24	0.6	1700
VARDAflex Side Mini Double	86845	226	19.2	57	1094	80	24	0.8	3000
VARDAflex Double CRI95	86425	184	19.2	57.5	1104	95	24	0.8	3000
VARDAflex Double CRI95	88425	184	19.2	57.5	1104	95	12	1.6	3000
VARDAflex Nova Triple	82881	200	24	46.9	1125	90	24	1	1800
VARDAflex 4inOne-84	79561	266	27	44.1	1186	80	24	1.12	RGBW-2200
VARDAflex 4inOne-84	79562	266	27	44.1	1186	80	24	1.12	RGBW-2700
VARDAflex Black Plus Profi	84097	174	14	85.3	1194	80	24	0.58	2700
VARDAflex Black Plus Profi	84095	174	14	85.4	1195	80	24	0.58	3000
VARDAflex 4inOne-84	79563	266	27	44.4	1198	80	24	1.12	RGBW-3000
VARDAflex Duo	84863	180	17	71.9	1222	80	24	0.71	2700
VARDAflex Plus Profi	88137	172	14.4	85.3	1229	80	12	1.2	2700
VARDAflex Duo	84865	180	17	73.3	1246	80	24	0.71	3000
VARDAflex Outdoor Plus	86884	290	12	104	1248	70	24	0.5	6500
VARDAflex Nova Double	79872	188	18	69.8	1256	90	24	0.75	2200
VARDAflex Double CRI95	86424	184	19.2	70.6	1356	95	24	0.8	6500
VARDAflex Double CRI95	88424	184	19.2	70.6	1356	95	12	1.6	6500
VARDAflex Nova Double	82873	188	19.2	72.4	1390	90	24	0.8	2700
VARDAflex Asymmetrical	86375	228	19.2	72.9	1399	80	24	0.8	3000
VARDAflex Asymmetrical	86378	228	19.2	72.9	1399	80	24	0.8	4000
VARDAflex Nova Ultra	82891	194	24	58.8	1411	90	24	1	1800
VARDAflex Nano Double IP66	81555	296	19.2	74.4	1428	80	24	0.8	3000
VARDAflex Double Eco	82427	186	19.2	74.6	1432	90	24	0.8	2700
VARDAflex Nova Double	82875	188	19.2	73.1	1444	90	24	0.8	3000
VARDAflex Plus Profi	88138	172	14.4	100.3	1444	80	12	1.2	4000
VARDAflex Plus Profi	88135	172	14.4	100.7	1450	80	12	1.2	3000
VARDAflex Double	86555	182	19.2	75.6	1452	80	24	0.8	3000
VARDAflex Double	88555	182	19.2	75.6	1452	80	12	1.6	3000

LED/roll	LEDs/m	Total length mm	Width mm	Height mm	Length/supply m	Segment mm	Number LED/ Segment	LED spacing mm	Beam angle °	EEC	IP
432	144	3000	12	2.5	3.0	125	18	20.8	120	B	20
480	96	5000	12	2.5	5.0	62.5	6	10.42	120	B	20
600	120	5000	10	3.5	5.0	50	6	8.33	120	A	20
600	120	5000	10	2	5.0	50	6	8.33	120	B	20
1800	120	15000	10	1.6	15.0	50	6	8.33	120	A	20
600	120	5000	8	2.2	10.0	50	6	8.33	120	A	20
1800	120	15000	10	1.6	15.0	50	6	8.33	120	A	20
600	120	5000	8	2.5	5.0	5000	600	8.33	120	A	66
600	120	5000	8	2.5	10.0	50	6	8.33	120	A	20
1800	120	15000	10	1.6	15.0	50	6	8.33	120	A	20
600	120	5000	8	2.2	10.0	50	6	8.33	120	A	20
600	120	5000	8	2.2	10.0	50	6	8.33	120	A	20
216	72	3000	10	2.5	3.0	250	18	41.7	120	A	20
600	60	10000	10	1.6	10.0	83.3	5	16.7	120	A	20
600	120	5000	8	2.5	10.0	50	6	8.33	120	A+	20
600	120	5000	8	2.5	10.0	25	3	8.33	120	A+	20
300	60	5000	12	2.0	5.0	100	6	16.7	120	A	20
600	120	5000	8	2.2	10.0	50	6	8.33	120	A+	20
600	60	10000	10	1.6	10.0	83.3	5	16.7	120	A	20
600	120	5000	10	2.0	10.0	50	6	8.33	120	A	20
600	60	10000	13.5	6	10.0	100	6	16.7	120	A	67
600	60	10000	10	1.6	10.0	83.3	5	16.7	120	A	20
300	60	5000	10	2.0	5.0	100	6	16.7	120	A	20
120	60	2000	10	2	2.0	2000	120	16.7	120	A	66
600	120	5000	8	2.5	10.0	50	6	8.33	120	A+	20
600	120	5000	8	2.5	10.0	25	3	8.33	120	A+	20
600	120	5000	10	2.5	10.0	100	6	8.33	120	A+	20
300	60	5000	12	2.0	5.0	100	6	16.7	120	A	20
600	60	10000	10	1.6	10.0	83.3	5	16.7	120	A	20
300	60	5000	12	2.0	5.0	100	6	16.7	120	A	20
300	60	5000	10	2.0	5.0	100	6	16.7	120	A	20
600	120	5000	10	2.0	10.0	50	6	8.33	120	A	20
600	120	5000	8	2.5	10.0	50	6	8.33	120	A+	20
600	120	5000	8	2.5	10.0	25	3	8.33	120	A+	20
600	120	5000	10	2.0	10.0	50	6	8.33	120	A	20
1200	240	5000	10	2.0	5.0	25	6	4.2	120	A	20
300	60	5000	10	2.0	5.0	100	6	16.7	120	A	20
240	120	2000	8	2.5	2.0	2000	240	8.33	120	A+	66
700	140	5000	3.5	1.2	5.0	50	7	7.14	120	A+	20
600	120	5000	8	2.5	10.0	50	6	8.33	120	A+	20
600	120	5000	8	2.5	10.0	25	3	8.33	120	A+	20
300	60	5000	10	2	10.0	100	6	16.7	120	A	20
700	140	5000	3.5	1.2	5.0	50	7	7.14	120	A+	20
600	120	5000	20	2.5	5.0	50	6	16.7	120	B	20
700	140	5000	3.5	1.2	5.0	50	7	7.14	120	A+	20
600	120	5000	8	2.5	10.0	50	6	8.33	120	A+	20
600	120	5000	8	2.5	10.0	25	3	8.33	120	A+	20
360	72	5000	10	2.2	5.0	83.3	6	13.85	120	A	20
300	60	5000	10	2	10.0	100	6	16.7	120	A	20
1200	240	5000	8	2.0	5.0	50	12	8.33	2x75	A	20
600	120	5000	10	2.0	8.0	50	6	8.33	120	A	20
600	120	5000	10	2.0	8.0	25	3	8.33	120	A	20
1500	300	5000	10	2.0	5.0	20	6	3.3	120	A	20
420	84	5000	12	2.0	5.0	71	6	11.9	120	A	20
420	84	5000	12	2.0	5.0	71	6	11.9	120	A	20
300	60	5000	10	2.2	5.0	100	6	16.7	120	A	20
300	60	5000	10	2.2	5.0	100	6	16.7	120	A	20
420	84	5000	12	2.0	5.0	71	6	11.9	120	A	20
360	72	5000	10	2.1	5.0	28	2	13.85	120	A	20
300	60	5000	10	1.6	10.0	50	3	16.7	120	A	20
360	72	5000	10	2.1	5.0	28	2	13.85	120	A	20
600	60	10000	13.5	6	10.0	100	6	16.7	120	A+	67
900	180	5000	10	1.2	5.0	33.33	6	5.56	120	A	20
600	120	5000	10	2.0	8.0	50	6	8.33	120	A	20
600	120	5000	10	2.0	8.0	25	3	8.33	120	A	20
1200	240	5000	10	2.0	5.0	25	6	4.2	120	A	20
1200	240	5000	10	2.5	5.0	50	12	8.33	195	A	20
1200	240	5000	10	2.5	5.0	50	12	8.33	195	A	20
1400	280	5000	10	2.0	5.0	25	7	3.57	120	A+	20
600	120	5000	10	2	5.0	5000	600	8.33	120	A	66
700	140	5000	10	1.5	5.0	50	7.1	8.33	120	A	20
1200	240	5000	10	2.0	5.0	25	6	4.2	120	A	20
300	60	5000	10	1.6	10.0	50	3	16.7	120	A+	20
300	60	5000	10	1.6	10.0	50	3	16.7	120	A+	20
600	120	5000	10	2.0	8.0	50	6	8.33	120	A	20
600	120	5000	10	2.0	8.0	25	3	8.33	120	A	20

VARDAFLEX | AT A GLANCE

Type	Article no.	page	Watt/m W	Lumen/W lm	Lumen/metres lm	CRI	Volt V	Current/m A	Light colour K
VARDAflex Double Eco	82425	186	19.2	75.6	1452	90	24	0.8	3000
VARDAflex Double Eco	82428	186	19.2	76.7	1473	90	24	0.8	4000
VARDAflex Double	86355	182	19.2	78.1	1500	80	24	0.8	2700
VARDAflex Double	88355	182	19.2	78.1	1500	80	12	1.6	2700
VARDAflex 5inOne-60	82518	268	24	62.6	1502	80	24	1	RGB+6500+2400
VARDAflex Nova Double	82878	188	19.2	79.9	1534	90	24	0.8	4000
VARDAflex Nova Triple	82883	200	24	64.8	1554	90	24	1	2700
VARDAflex Double Select Eco	84529	244	21	74.2	1558	90	24	0.88	2100-5000
VARDAflex Double Select	86529	238	19.2	81.3	1561	80	24	0.8	2300-4000
VARDAflex Nova Triple	82885	200	24	65.8	1578	90	24	1	3000
VARDAflex Surround	86388	230	23.04	68.7	1582	80	24	0.96	4000
VARDAflex Nova Ultra	79892	194	24	67	1608	90	24	1	2200
VARDAflex Para Eco	82443	216	19.2	84.5	1622	90	24	0.8	2700
VARDAflex Surround	86385	230	23.04	71.5	1647	80	24	0.96	3000
VARDAflex Para Eco	82445	216	19.2	86.5	1661	90	24	0.8	3000
VARDAflex Nova Triple	79882	200	24	69.6	1671	90	24	1	2200
VARDAflex Mini Ultra	84973	214	15	111.9	1679	80	24	0.625	2700
VARDAflex 5inOne-96	74518	270	25	67.2	1681	80	24	1.04	RGB+6400+2400
VARDAflex Nova Triple	82888	200	24	70.3	1686	90	24	1	4000
VARDAflex RGB+W+WW	84524	272	26	68.7	1787		24	1.08	RGB+6300+3000
VARDAflex Double	86358	182	19.2	93.1	1788	80	24	0.8	4000
VARDAflex Double	86554	182	19.2	93.1	1788	80	24	0.8	6500
VARDAflex Double	88358	182	19.2	93.1	1788	80	12	1.6	4000
VARDAflex Double	88554	182	19.2	93.1	1788	80	12	1.6	6500
VARDAflex Mini Ultra	84975	214	15	122	1830	80	24	0.625	3000
VARDAflex Triple	88157	198	24.5	76.6	1877	80	12	2.04	2700
VARDAflex Double RGB+W+WW	86527	274	28.8	60.3	1881	80	24	1.2	RGB+6500+3000
VARDAflex Nova Ultra	82893	194	24	79.7	1912	90	24	1	2700
VARDAflex Nova Ultra	82895	194	24	79.8	1915	90	24	1	3000
VARDAflex Mini Double	84988	212	18	110	1981	80	24	0.75	4000
VARDAflex Mini Double	84983	212	18	110	1982	80	24	0.75	2700
VARDAflex Mini Double	84985	212	18	111	1999	80	24	0.75	3000
VARDAflex Single Select	84859	242	21	95.3	2002	80	24	0.88	2100-6000
VARDAflex Nova Ultra	82898	194	24	83.7	2008	90	24	1	4000
VARDAflex RGB+W+WW	86524	274	28.8	70	2016	80	24	1.2	RGB+6500+3000
VARDAflex Single	84853	190	21	96.7	2030	80	24	0.88	2700
VARDAflex Single	84855	190	21	98.6	2070	80	24	0.88	3000
VARDAflex Triple	88155	198	24.5	85.8	2101	80	12	2.04	3000
VARDAflex Quantum Plus Profi	84107	176	14	150.9	2112	80	24	0.58	2700
VARDAflex Single	84858	190	21	102	2142	80	24	0.88	4000
VARDAflex Quantum Plus Profi	84105	176	14	154.2	2159	80	24	0.58	3000
VARDAflex Triple	88158	198	24.5	89.9	2203	80	12	2.04	4000
VARDAflex Quantum Plus Profi	84108	176	14	158.1	2214	80	24	0.58	4000
VARDAflex Ultra	88297	192	19.8	115.6	2290	80	12	1.65	2700
VARDAflex High Eco	88198	204	28.8	91.7	2640	80	12	2.4	4000
VARDAflex Ultra Select	86829	246	28.8	91.9	2647	80	24	1.2	3200-5700
VARDAflex High Eco	88197	204	28.8	95.4	2748	80	12	2.4	2700
VARDAflex High Eco	88195	204	28.8	96.7	2784	80	12	2.4	3000
VARDAflex Ultra	88298	192	19.8	143.3	2837	80	12	1.65	4000
VARDAflex Quantum Ultra	82127	196	22	132.5	2915	80	24	0.92	2700
VARDAflex Ultra	88295	192	19.8	157	3109	80	12	1.65	3000
VARDAflex Quantum Ultra	82125	196	22	146.5	3224	80	24	0.92	3000
VARDAflex Quantum Ultra	82128	196	22	150	3301	80	24	0.92	4000
VARDAflex High Performance	86817	206	36	92.9	3344	80	24	1.5	2700
VARDAflex Para3 Superior	79453	222	52.8	64.5	3408	95	24	2.2	2700
VARDAflex Para3 Superior	79455	222	52.8	65.2	3440	95	24	2.2	3000
VARDAflex High Performance	86815	206	36	97.7	3517	80	24	1.5	3000
VARDAflex Quantum Triple	84115	202	23	158.6	3647	80	24	0.96	3000
VARDAflex Quantum Triple	84117	202	23	158.6	3647	80	24	0.96	2700
VARDAflex High Performance	86818	206	36	102	3672	80	24	1.5	4000
VARDAflex Quantum Triple	84118	202	23	161.5	3714	80	24	0.96	4000
VARDAflex Para3	84453	220	40	118.7	4746	80	24	1.67	2700
VARDAflex Para3	84455	220	40	118.9	4754	80	24	1.67	3000
VARDAflex Para3	84458	220	40	119	4759	80	24	1.67	4000
VARDAflex Para3	84454	220	40	125.5	5019	80	24	1.67	6500
VARDAflex Para Supra Eco	79852	218	47	112.5	5286	95	24	1.96	2400
VARDAflex Supra	82857	208	42	127.9	5371	80	24	1.75	2700
VARDAflex Para Supra Eco	79857	218	47	116.9	5495	95	24	1.96	2700
VARDAflex Para Supra Eco	79855	218	47	117	5501	95	24	1.96	3000
VARDAflex Para Supra Eco	79858	218	47	117.6	5528	95	24	1.96	4000
VARDAflex Supra	82855	208	42	129.5	5538	80	24	1.75	3000
VARDAflex Supra	82858	208	42	140.3	5894	80	24	1.75	4000

LED/roll	LEDs/m	Total length mm	Width mm	Height mm	Length/supply m	Segment mm	Number LED/ Segment	LED spacing mm	Beam angle °	EEC	IP
700	140	5000	10	1.5	5.0	50	7.1	8.33	120	A	20
700	140	5000	10	1.5	5.0	50	7.1	8.33	120	A	20
600	120	5000	10	2.0	8.0	50	6	8.33	120	A	20
600	120	5000	10	2.0	8.0	25	3	8.33	120	A	20
300	60	5000	14	2.5	5.0	100	6	16.7	120	A	20
1200	240	5000	10	2.0	5.0	25	6	4.2	120	A	20
1500	300	5000	10	2.0	5.0	20	6	3.3	120	A	20
1200	240	5000	10	1.2	5.0	50	12	8.33	120	A	20
600	120	5000	10	2.5	5.0	100	12	8.33	120	A	20
1500	300	5000	10	2.0	5.0	20	6	3.3	120	A	20
1440	288	5000	10	2.5	5.0	62	18	10.36	270	A	20
1200	240	5000	10	1.2	5.0	25	6	4.17	120	A	20
1200	240	5000	14	2.2	5.0	25	12	7.14	120	A+	20
1440	288	5000	10	2.5	5.0	62	18	10.36	270	A	20
1200	240	5000	14	2.2	5.0	25	12	7.14	120	A+	20
1500	300	5000	10	1.2	5.0	20	6	3.3	120	A	20
350	70	5000	5	1.5	5.0	100	7	14.29	120	A++	20
480	96	5000	12	2.3	5.0	62.5	6	10.41	120	A	20
1500	300	5000	10	2.0	5.0	20	6	3.3	120	A	20
900	180	5000	15	2.5	5.0	100	18	16.7	120	A	20
600	120	5000	10	2.0	8.0	50	6	8.33	120	A+	20
600	120	5000	10	2.0	8.0	50	6	8.33	120	A+	20
600	120	5000	10	2.0	8.0	25	3	8.33	120	A+	20
600	120	5000	10	2.0	8.0	25	3	8.33	120	A+	20
350	70	5000	5	1.5	5.0	100	7	14.29	120	A++	20
612	204	3000	10	2.0	3.0	15	3	5	120	A+	20
540	180	3000	12	2.5	3.0	100	18	16.7	120	A	20
1400	280	5000	10	2.0	5.0	25	7	3.57	120	A+	20
1400	280	5000	10	2.0	5.0	25	7	3.57	120	A+	20
840	168	5000	5	1.5	5.0	41.6	7	5.94	120	A+	20
840	168	5000	5	1.5	5.0	41.6	7	5.94	120	A+	20
840	168	5000	5	1.5	5.0	41.6	7	5.94	120	A+	20
600	120	5000	10	1.5	5.0	8.33	1	8.33	120	A+	20
1400	280	5000	10	2.0	5.0	25	7	3.57	120	A+	20
540	180	3000	10	2.5	3.0	100	18	16.7	120	A	20
600	120	5000	10	1.5	5.0	8.33	1	8.33	120	A+	20
600	120	5000	10	1.5	5.0	8.33	1	8.33	120	A+	20
612	204	3000	10	2.0	3.0	15	3	5	120	A+	20
640	128	5000	10	1.4	5.0	62.5	8	7.81	120	A++	20
600	120	5000	10	1.5	5.0	8.33	1	8.33	120	A+	20
640	128	5000	10	1.4	5.0	62.5	8	7.81	120	A++	20
612	204	3000	10	2.0	3.0	15	3	5	120	A+	20
640	128	5000	10	1.4	5.0	62.5	8	7.81	120	A++	20
360	120	3000	10	1.3	3.0	33.3	4	8.33	120	A++	20
360	120	3000	10	1.5	3.0	25	3	8.33	120	A+	20
300	60	5000	10	1.6	5.0	100	6	16	120	A+	20
360	120	3000	10	1.5	3.0	25	3	8.33	120	A+	20
360	120	3000	10	1.5	3.0	25	3	8.33	120	A+	20
360	120	3000	10	1.3	3.0	33.3	4	8.33	120	A++	20
640	128	5000	10	1.5	5.0	62.5	8	7.8	120	A++	20
360	120	3000	10	1.3	3.0	33.3	4	8.33	120	A++	20
640	128	5000	10	1.5	5.0	62.5	8	7.8	120	A++	20
640	128	5000	10	1.5	5.0	62.5	8	7.8	120	A++	20
72	36	2000	10	2	2.0	83.3	3	28	120	A+	20
792	264	3000	22	1.8	3.0	22.7	6	11.36	120	A	20
792	264	3000	22	1.8	3.0	22.7	6	11.36	120	A	20
72	36	2000	10	2	2.0	83.3	3	28	120	A+	20
1120	224	5000	10	1.4	5.0	35.71	8	4.46	120	A++	20
1120	224	5000	10	1.4	5.0	35.71	8	4.46	120	A++	20
72	36	2000	10	2	2.0	83.3	3	28	120	A+	20
1120	224	5000	10	1.4	5.0	35.71	8	4.46	120	A++	20
2100	420	5000	30	1.5	5.0	50	21	7.14	120	A++	20
2100	420	5000	30	1.5	5.0	50	21	7.14	120	A++	20
2100	420	5000	30	1.5	5.0	50	21	7.14	120	A++	20
2100	420	5000	30	1.5	5.0	50	21	7.14	120	A++	20
672	224	3000	12	1.8	3.0	35.64	8	8.91	120	A+	20
720	240	3000	12	1.5	3.0	33	8	4.2	120	A++	20
672	224	3000	12	1.8	3.0	35.64	8	8.91	120	A++	20
672	224	3000	12	1.8	3.0	35.64	8	8.91	120	A++	20
672	224	3000	12	1.8	3.0	35.64	8	8.91	120	A++	20
720	240	3000	12	1.5	3.0	33	8	4.2	120	A++	20
720	240	3000	12	1.5	3.0	33	8	4.2	120	A++	20

Brightness comparison /Installation instructions

VARDAflex Strips - single-colour

	240 lm	408 lm	420 lm	463 lm	744 lm	840 lm	876 lm	924 lm	927 lm	1246 lm	1444 lm	1450 lm	1452 lm	1452 lm
	VARDAflex Reach30 Eco	VARDAflex	VARDAflex Outdoor	VARDAflex Eco	VARDAflex Plus Eco	VARDAflex Outdoor Plus	VARDAflex Nova Plus	VARDAflex Plus	VARDAflex Slim	VARDAflex Duo	VARDAflex Nova Double	VARDAflex Plus Profi	VARDAflex Double	VARDAflex Double Eco
Application	Accent lighting				Addition lighting					Base lighting				
No. of LEDs / m	60	6 0	30	70	120	60	120	120	140	72	240	120	120	140
Power W/m	3	4.8	6	4.8	9.6	12	12	9.6	10	17	19.2	14.4	19.2	19.2
Volt	24	12 + 24	24	24	24	24	24	12 + 24	24	24	24V	12 + 24	12 + 24	24
Profile needed	no	no	no	no	no	no	no	no	no	yes	yes	yes	yes	yes
IP	20	20	65	20	20	65	20	20	20	20	20	20	20	20
page	148	150	282	154	166	290	170	162	210	180	188	172	182	186

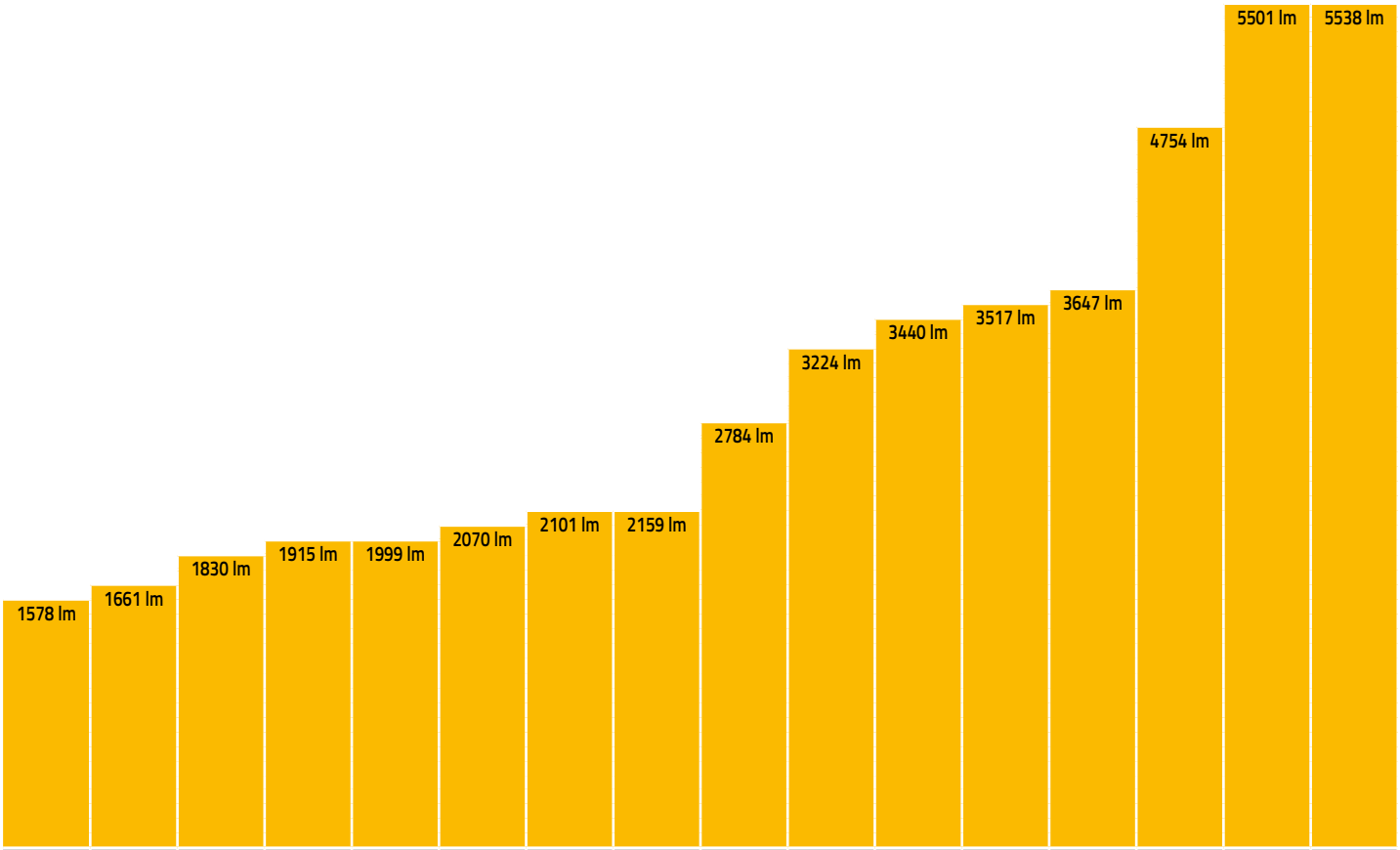
above figures are for Light colour 3000 K

NEW **Simply installation! In-feeder connector and direct connector Push - suitable for many of our strips**



Simply put the wires in without stripping and press the top down by tool. Put the LED Strip in on the other side and press down the top by tool. The teeth of the connecting pins are performing the circuitboard and so obstain a strong connection with strain relief.

70534	in-feeder connector Push	single-colour	8 mm	IP20
70538	direct connector Push	single-colour	8 mm	IP20
70531	in-feeder connector Push	single-colour	10 mm	IP20
70532	direct connector Push	single-colour	10 mm	IP20
70520	in-feeder connector Push	Select	10 mm	IP20
70533	in-feeder connector Push	RGB	10 mm	IP20
70539	direct connector Push	RGB	10 mm	IP20
70500	in-feeder connector Push	RGBW	12 mm	IP20
70537	direct connector Push	RGBW	12 mm	IP20



VARDAflex Nova Triple	VARDAflex Para	VARDAflex Mini Ultra	VARDAflex Nova Ultra	VARDAflex Mini Double	VARDAflex Single	VARDAflex Triple	VARDAflex Quantum Plus Profi	VARDAflex High Eco	VARDAflex Quantum Ultra	VARDAflex Para3 Superior	VARDAflex High Performance	VARDAflex Quantum Triple	VARDAflex Para3	VARDAflex Para Supra Eco	VARDAflex Supra
Base lighting															
300	240	70	280	168	120	204	128	120	128	264	36	224	420	224	240
24	19.2	15	24	18	21	24.5	14	28.8	22	52.8	36	23	40	47	42
24	24	24	24	24	24	12	24	12	24	24	24	24	24	24	24
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
200	216	214	194	212	190	198	176	204	196	222	206	202	220	218	208

VARDAflex Installation and operating instructions

Do consider the following hints to ensure that your satisfaction with this LED strip lasts:

- As sensitive printed boards, LED need to be carefully installed with every precision. **Avoid pulling or bending the LED strips when unrolling or fitting them.**
- Do not subject the LEDs and resistors to any Marked pressure-otherwise the soldering points will break and the power will be interrupted.
- Cut the strips exactly at the specified severing lines.
- Do not coat the PCB with layer of paint.
- When soldering flex, do not exceed the maximum temperature 260°C or a maximum 10-second time for each soldering operation.
- An electrostatic discharge ruins the LEDs. Consider this before actually touching the LED strips.
- The voltage, rating and length of the LED strip determine which power supply unit it is to be attached to.
- As a rule, RGB controllers have a 12 and 24 V DC input and output, respectively. Connect the controller between power supply unit and LED strip.
- Relatively high amperages can arise depending on the LED strip length. Therefore in the case of long leads, employ an appropriate flex cross-section for the installation between power supply unit and strip.
- On conducting surfaces, place an insulation layer between the LED board and surface. Surfaces be flat, free of dust, grease and dry.
- Storage temperature:-40°C to +80°C,
  operating temperature:-20°C to +60°C
- Never operate the LED strips when rolled up.
- Only use neutral, cross-linked silicone.
  (On no account use acetic silicone!)
- Note: Consider binning when re-ordering!

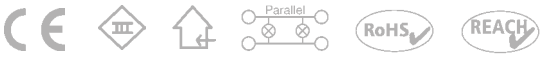


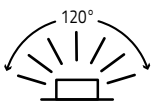
VARDAFLEX Standard Eco Reach30

NEW

Flexible LED strip for indoor use, 30 metres with just one in-feed, CRI 90, with self-adhesive back, single-colour

- 3 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- constant current (IC chip on board)
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 30 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 30 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	30	10	1.5	60	237	79	24	0.125	3	82317
3000 K	30	10	1.5	60	240	80	24	0.125	3	82315
4000 K	30	10	1.5	60	247	82.33	24	0.125	3	82318

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80473
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

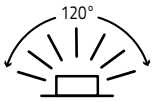
Photo: Ingrid Fiebak Photography: AIDA Prima



VARDAFLEX

Flexible LED strip for indoor use, with self-adhesive back, single-colour

- 4.8 W/m
- 12 Volt: cuttable every 50 mm or 3 LEDs
  24 Volt: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- CRI 80
- maximum length per connection: 10 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector (profi), 1 direct connector (profi)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours



ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	EEC	Volt V DC	Current A / m	Power Watt / m	Article no.
red	5	8	2.5	60	66	13.75	B	12	0.4	4.8	88540
yellow	5	8	2.5	60	66	13.75	B	12	0.4	4.8	88541
blue	5	8	2.5	60	96	20.00	B	12	0.4	4.8	88542
green	5	8	2.5	60	264	55.00	A	12	0.4	4.8	88543
6500 K	5	8	2.5	60	420	87.50	A+	12	0.4	4.8	88544
5000 K	5	8	2.5	60	414	86.25	A+	12	0.4	4.8	88349
4000 K	5	8	2.5	60	474	98.75	A+	12	0.4	4.8	88348
3000 K	5	8	2.5	60	408	85.00	A	12	0.4	4.8	88545
2700 K	5	8	2.5	60	396	82.50	A	12	0.4	4.8	88345
6500 K	5	8	2.5	60	486	101.25	A+	24	0.2	4.8	86544
5000 K	5	8	2.5	60	414	86.25	A+	24	0.2	4.8	86349
4000 K	5	8	2.5	60	474	98.75	A+	24	0.2	4.8	86348
3000 K	5	8	2.5	60	408	85.00	A	24	0.2	4.8	86545
2700 K	5	8	2.5	60	390	81.25	A	24	0.2	4.8	86345

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80494
(see overview from page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 86536 in-feeder connectors Single Profi Article no. 86538 direct connector Single Profi



Article no. 86534
Flex connector single Profi



Article no. 89992
Special cable for VARDAflex



VARDAFLEX CRI 95

Flexible LED strip for indoor use, with self-adhesive back, high colour rendering CRI 95, single-colour

- 4.8 W/m
- 12 Volt: cuttable every 50 mm or 3 LEDs
  24 Volt: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 95
- scope of delivery: 5 metre roll, 5 in-feeder connector (profi), 1 direct connector (profi)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

120°

Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
6500 K	5	8	2.5	60	342	71.25	12	0.4	4.8	88414
3000 K	5	8	2.5	60	342	71.25	12	0.4	4.8	88415
6500 K	5	8	2.5	60	342	71.25	24	0.2	4.8	86414
3000 K	5	8	2.5	60	342	71.25	24	0.2	4.8	86415
2700 K	5	8	2.5	60	330	68.75	24	0.2	4.8	86417

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80494
(see overview from page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 86536
in-feeder connectors Single Profi Article no. 86538 direct connector Single Profi



Article no. 86534
Flex connector single Profi



Article no. 89992
Special cable for VARDAflex

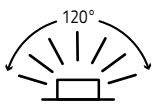


VARDAFLEX Eco

NEW

Flexible LED strip for indoor use, CRI 90, with self-adhesive back, single-colour

- 4.8 W/m: cuttable every 100 mm or 7 LEDs
- LED spacing: 14.8 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours



Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	8	2.0	70	454	94.58	24	0.2	4.8	82417
3000 K	5	8	2.0	70	463	96.46	24	0.2	4.8	82415
4000 K	5	8	2.0	70	472	98.33	24	0.2	4.8	82418

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80494
(see overview from page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 89992
Special cable for VARDAflex

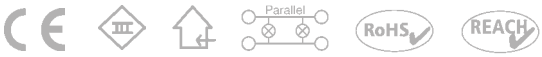


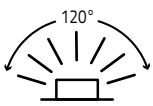
VARDAFLEX Eco Reach20

NEW

Flexible LED strip for indoor use, 20 metres with just one in-feed, CRI 90, with self-adhesive back, single-colour

- 5 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- constant current (IC chip on board)
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 20 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 20 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	20	10	1.6	60	334	66.8	24	0.21	5	82207
3000 K	20	10	1.6	60	342	68.4	24	0.21	5	82205
4000 K	20	10	1.6	60	348	69.6	24	0.21	5	82208



Photo: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531
in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex



VARDAFLEX Superior

NEW

Flexible LED strip for indoor use, CRI 98, with self-adhesive back, single-colour

- 4.8 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 98
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 50,000 hours

120°

Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	8	1.4	60	401	83.54	24	0.2	4.8	79417
3000 K	5	8	1.4	60	413	86.04	24	0.2	4.8	79415
4000 K	5	8	1.4	60	429	89.38	24	0.2	4.8	79418

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Photo: Ingrid Fiebak Photography; AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 89992
Special cable for VARDAflex

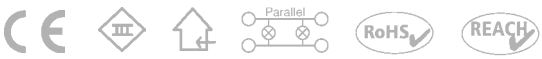


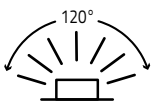
VARDAFLEX Superior Reach25

NEW

Flexible LED strip for indoor use, 25 metres with just one in-feed, CRI 98, with self-adhesive back, single-colour

- 4.8 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- constant current (IC chip on board)
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 25 metres - feed in anew for longer lengths
- CRI 98
- scope of delivery: 25 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 50,000 hours





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2400 K	25	10	1.6	60	336	70.0	24	0.2	4.8	79312
2700 K	25	10	1.6	60	350	72.92	24	0.2	4.8	79317
3000 K	25	10	1.6	60	354	73.75	24	0.2	4.8	79315
4000 K	25	10	1.6	60	367	76.46	24	0.2	4.8	79318

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

Photo: Ingrid Fiebak Photography



VARDAFLEX Plus

Flexible LED strip for indoor use, with self-adhesive back, single-colour

- 9.6 W/m
- 12 Volt: cuttable every 25 mm or 3 LEDs
  24 Volt: cuttable every 50 mm or 6 LEDs
- twice the number of LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
  (except 86141, 86149, 86439 - without accessories)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

Energy efficiency class A+

86141, 86149, 86439
Energy efficiency class A



ORDERING INFORMATION

	Colour	CRI	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
	6500 K	80	5	8	2.5	120	877	91.35	12	0.8	9.6	88144
	5000 K	80	5	8	2.5	120	816	85.00	12	0.8	9.6	88319
	4000 K	80	5	8	2.5	120	948	98.75	12	0.8	9.6	88318
	3000 K	80	5	8	2.5	120	924	96.25	12	0.8	9.6	88145
	2700 K	80	5	8	2.5	120	852	88.75	12	0.8	9.6	88315
	6500 K	80	5	8	2.5	120	877	91.35	24	0.4	9.6	86144
	5000 K	80	5	8	2.5	120	816	85.00	24	0.4	9.6	86319
	4000 K	80	5	8	2.5	120	948	98.75	24	0.4	9.6	86318
	3000 K	80	5	8	2.5	120	924	96.25	24	0.4	9.6	86145
	2700 K	80	5	8	2.5	120	852	88.75	24	0.4	9.6	86315
NEW	1700 K	80	5	8	2.2	120	799	83.23	24	0.4	9.6	86141
NEW	25000 K	-	5	8	2.2	120	474	49.38	24	0.4	9.6	86149
NEW	3000 K Full Spectrum	96	5	8	2.2	120	620	64.58	24	0.4	9.6	86439

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



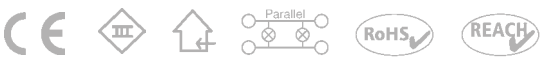
Article no. 89992
Special cable for VARDAflex

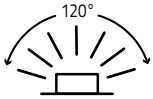


VARDAFLEX Plus CRI 90

Flexible LED strip for indoor use, with self-adhesive back, high colour rendering CRI 90, single-colour

- 9.6 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- twice the number of LEDs
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	8	2.5	120	744	77.50	24	0.4	9.6	86437

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview from page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 89992
Special cable for VARDAflex



VARDAFLEX Plus Eco

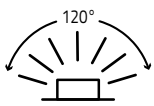
NEW

Flexible LED strip for indoor use, CRI 90, with self-adhesive back, single-colour

- 9.6 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

82438 Energy efficiency class A+

82435, 82437 Energy efficiency class A



ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	8	2	120	720	75	24	0.4	9.6	82437
3000 K	5	8	2	120	780	81.25	24	0.4	9.6	82435
4000 K	5	8	2	120	828	86.25	24	0.4	9.6	82438

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography, AIDA Viking

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 89992
Special cable for VARDAflex

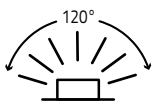


VARDAFLEX Plus Eco Reach15

NEW

Flexible LED strip for indoor use, 15 metres with just one in-feed, CRI 90, with self-adhesive back, single-colour

- 10 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- constant current (IC chip on board)
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 15 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 15 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours



Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	15	10	1.6	120	702	70.2	24	0.42	10	82217
3000 K	15	10	1.6	120	724	72.4	24	0.42	10	82215
4000 K	15	10	1.6	120	748	74.8	24	0.42	10	82218

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

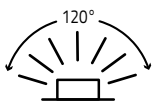


VARDAFLEX Nova Plus

NEW

Flexible LED strip for indoor use, CRI 90, with self-adhesive back, single-colour

- 12 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- constant current (IC chip on board)
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours



Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
1800 K	5	10	2.0	120	516	43	24	0.5	12	82861
2700 K	5	10	2.0	120	834	69.5	24	0.5	12	82863
3000 K	5	10	2.0	120	876	73	24	0.5	12	82865
4000 K	5	10	2.0	120	888	74	24	0.5	12	82868

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Squashcenter Achim, Photo: Stefanie Bomhoff

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80710
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex



VARDAFLEX Plus Profi

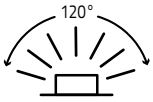
Flexible LED strip for indoor use, with self-adhesive back, single-colour

- 14.4 W/m
- 12 Volt: cuttable every 50 mm or 3 LEDs
  24 Volt: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
  (except 77547, 77548 - without accessories)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

88138, 88135
Energy efficiency class A+

88137, 86151, 77548, 86159
Energy efficiency class A

77547
Energy efficiency class C



ORDERING INFORMATION

	Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
	4000 K	5	10	1.6	60	1444	100.29	12	1.2	14.4	88138
	3000 K	5	10	1.6	60	1450	100.71	12	1.2	14.4	88135
	2700 K	5	10	1.6	60	1229	85.33	12	1.2	14.4	88137
NEW	1700 K	5	10	2	60	1093	75.9	24	0.6	14.4	86151
NEW	violett	5	10	2	60	196	13.61	24	0.6	14.4	77547
NEW	pink	5	10	2	60	878	60.97	24	0.6	14.4	77548
NEW	25000 K	5	10	2	60	927	64.38	24	0.6	14.4	86159

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Hahn@tobilla.com

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80473
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

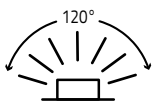


VARDAFLEX Black Plus Profi

NEW

Flexible LED strip for indoor use, black, with self-adhesive back, single-colour

- 14 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector (profi)
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours



Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	10	2.2	60	1194	85.29	24	0.58	14	84097
3000 K	5	10	2.2	60	1195	85.36	24	0.58	14	84095

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: XtravaganT@fotolia.com

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80494
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

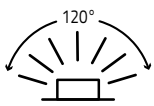


VARDAFLEX Quantum Plus Profi

NEW

Flexible LED strip for indoor use, highly efficient (more than 150 lm/W), powerful (more than 2100 lm/metre), with self-adhesive back, single-colour

- 14 W/m: cuttable every 62.5 mm or 8 LEDs
- LED spacing: 7.81 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours



Energy efficiency class A++

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	10	1.4	128	2112	150.86	24	0.58	14	84107
3000 K	5	10	1.4	128	2159	154.21	24	0.58	14	84105
4000 K	5	10	1.4	128	2214	158.14	24	0.58	14	84108

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography, AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80494
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

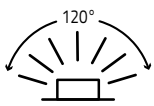


VARDAFLEX Superior Plus Profi Reach10

NEW

Flexible LED strip for indoor use, 10 metres with just one in-feed, CRI 98, with self-adhesive back, single-colour

- 14.4 W/m: cuttable every 83.3 mm or 5 LEDs
- LED spacing: 16.7 mm
- constant current (IC chip on board)
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 98
- scope of delivery: 10 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 50,000 hours



Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2400 K	10	10	1.6	60	814	56.53	24	0.6	14.4	79322
2700 K	10	10	1.6	60	832	57.78	24	0.6	14.4	79327
3000 K	10	10	1.6	60	840	58.33	24	0.6	14.4	79325
4000 K	10	10	1.6	60	866	60.14	24	0.6	14.4	79328

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80473
(see overview from page 442)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

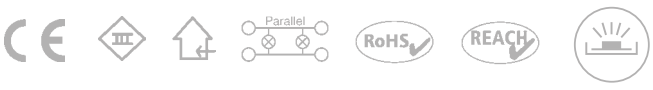


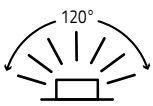
VARDAFLEX Duo

NEW

Flexible LED strip for indoor use, cuttable every 2 LEDs, with self-adhesive back, single-colour

- 17 W/m: cuttable every 28 mm or 2 LEDs
- LED spacing: 13.85 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector(profi)
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	10	2.1	72	1222	71.88	24	0.71	17	84863
3000 K	5	10	2.1	72	1246	73.3	24	0.71	17	84865

Squashcenter Achim, Photo: Stefanie Bomhoff

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

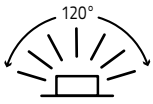




VARDAFLEX Double

Flexible LED strip for indoor use, with self-adhesive back, single-colour

- 19.2 W/m
- 12 Volt: cuttable every 25 mm or 3 LEDs
  24 Volt: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- twice the number of LEDs
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 8 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**



LED Colour W / NW
Energy efficiency class A+

LED Colour WW / UWW
Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
6500 K	5	10	2	120	1788	93.13	12	1.6	19.2	88554
4000 K	5	10	2	120	1788	93.13	12	1.6	19.2	88358
3000 K	5	10	2	120	1452	75.63	12	1.6	19.2	88555
2700 K	5	10	2	120	1500	78.13	12	1.6	19.2	88355
6500 K	5	10	2	120	1788	93.13	24	0.8	19.2	86554
4000 K	5	10	2	120	1788	93.13	24	0.8	19.2	86358
3000 K	5	10	2	120	1452	75.63	24	0.8	19.2	86555
2700 K	5	10	2	120	1500	78.13	24	0.8	19.2	86355

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

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Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

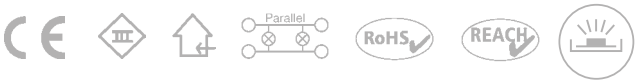


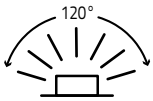


VARDAFLEX Double CRI 95

Flexible LED strip for indoor use, with self-adhesive back, CRI 95, single-colour

- 19.2 W/m
- 12 Volt: cuttable every 25 mm or 3 LEDs
  24 Volt: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- twice the number of LEDs
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 8 metres - feed in anew for longer lengths
- CRI 95
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
6500 K	5	10	2	120	1356	70.63	12	1.6	19.2	88424
3000 K	5	10	2	120	1104	57.50	12	1.6	19.2	88425
6500 K	5	10	2	120	1356	70.63	24	0.8	19.2	86424
3000 K	5	10	2	120	1104	57.50	24	0.8	19.2	86425

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex



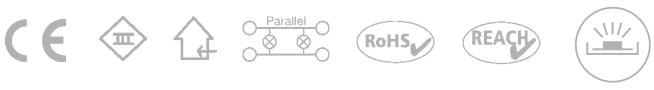


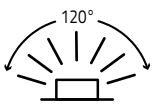
VARDAFLEX Double Eco

NEW

Flexible LED strip for indoor use, CRI 90, with self-adhesive back, single-colour

- 19.2 W/m: cuttable every 50 mm or 7 LEDs
- LED spacing: 7.1 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	10	1.5	140	1432	75.58	24	0.8	19.2	82427
3000 K	5	10	1.5	140	1452	75.63	24	0.8	19.2	82425
4000 K	5	10	1.5	140	1473	76.72	24	0.8	19.2	82428



Photo: Ingrid Fiebak Photography; AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



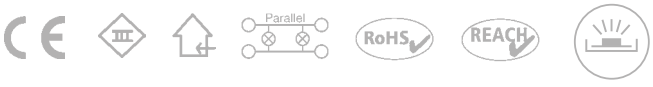


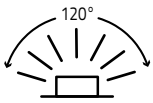
VARDAFLEX Nova Double

NEW

Flexible LED strip for indoor use, closely fitted, CRI 90, with self-adhesive back, single-colour

- 19.2 W/m (79872 - 18 W/m): cuttable every 25 (79872 - 33,33) mm or 6 LEDs
- LED spacing: 4.2 mm (79872 - 5,56 mm)
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
1800 K	5	10	2.0	240	898	46.77	24	0.8	19.2	82871
2200 K	5	10	1.2	180	1256	69.78	24	0.75	18	79872
2700 K	5	10	2.0	240	1390	72.4	24	0.8	19.2	82873
3000 K	5	10	2.0	240	1444	73.13	24	0.8	19.2	82875
4000 K	5	10	2.0	240	1534	79.9	24	0.8	19.2	82878

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fleback Photography/AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80473
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



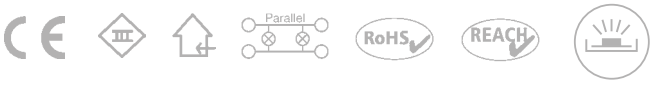


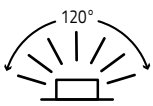
VARDAFLEX Single

NEW

Flexible LED strip for indoor use, cuttable every LED, with self-adhesive back, single-colour

- 21 W/m: cuttable every 8.33 mm or cuttable every LED
- LED spacing: 8.33 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	10	1.5	120	2030	96.67	24	0.88	21	84853
3000 K	5	10	1.5	120	2070	98.57	24	0.88	21	84855
4000 K	5	10	1.5	120	2142	102	24	0.88	21	84858

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80710
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex

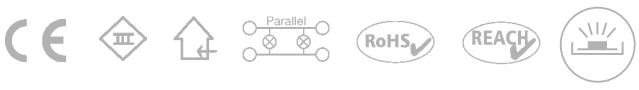


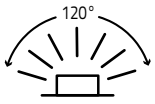


VARDAFLEX Ultra

Flexible LED strip for indoor use, with self-adhesive back, very bright, single-colour

- 19.8 W/m: cuttable every 33.3 mm or 4 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 3 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 3 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A++

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
4000 K	3	10	1.3	120	2837	143.27	12	1.65	19.8	88298
3000 K	3	10	1.3	120	3109	157.03	12	1.65	19.8	88295
2700 K	3	10	1.3	120	2290	115.64	12	1.65	19.8	88297

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80710
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex



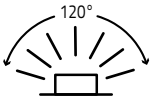


VARDAFLEX Nova Ultra

NEW

Flexible LED strip for indoor use, closely fitted, CRI 90, with self-adhesive back, single-colour

- 24 W/m: cuttable every 25 mm or 7 LEDs (79892 - 6 LEDs)
- LED spacing: 3.57 mm (79892 - 4,17 mm)
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**



Energy efficiency class A+

Article no. 79892
Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
1800 K	5	10	2.0	280	1411	58.79	24	1	24	82891
2200 K	5	10	1.2	240	1608	67.0	24	1	24	79892
2700 K	5	10	2.0	280	1912	79.67	24	1	24	82893
3000 K	5	10	2.0	280	1915	79.79	24	1	24	82895
4000 K	5	10	2.0	280	2008	83.67	24	1	24	82898

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80473
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



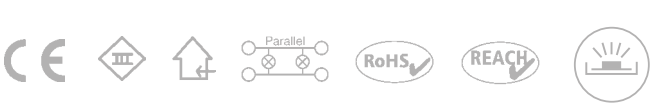


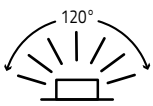
VARDAFLEX Quantum Ultra

NEW

Flexible LED strip for indoor use, highly efficient (up to 150 lm/W), powerful (more than 3000 lm/metre), with self-adhesive back, single-colour

- 22 W/m: cuttable every 62.5 mm or 8 LEDs
- LED spacing: 7.8 mm
- constant current (IC chip on board)
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A++

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	10	1.5	128	2915	132.5	24	0.92	22	82127
3000 K	5	10	1.5	128	3224	146.55	24	0.92	22	82125
4000 K	5	10	1.5	128	3301	150.05	24	0.92	22	82128

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex

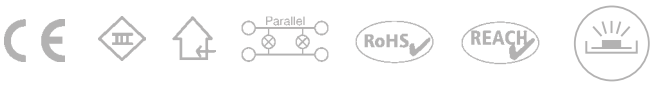


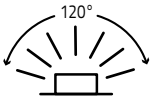


VARDAFLEX Triple

Flexible LED strip for indoor use, closely fitted, with self-adhesive back, single-colour

- 24.5 W/m: cuttable every 15 mm or 3 LEDs
- LED spacing: 5 mm
- beam angle: 120°
- maximum length per connection: 3 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 3 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
4000 K	3	10	2	204	2203	89.93	12	2.04	24.5	88158
3000 K	3	10	2	204	2101	85.76	12	2.04	24.5	88155
2700 K	3	10	2	204	1877	76.60	12	2.04	24.5	88157

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



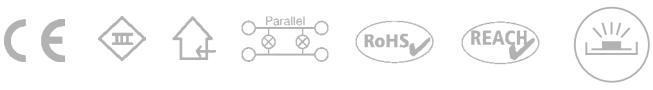


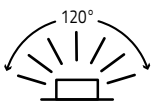
VARDAFLEX Nova Triple

NEW

Flexible LED strip for indoor use, closely fitted, CRI 90, with self-adhesive back, single-colour

- 24 W/m: cuttable every 20 mm or 6 LEDs
- LED spacing: 3.3 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
1800 K	5	10	2.0	300	1125	46.88	24	1	24	82881
2200 K	5	10	2.0	300	1671	69.63	24	1	24	79882
2700 K	5	10	2.0	300	1554	64.75	24	1	24	82883
3000 K	5	10	2.0	300	1578	65.75	24	1	24	82885
4000 K	5	10	2.0	300	1686	70.25	24	1	24	82888

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



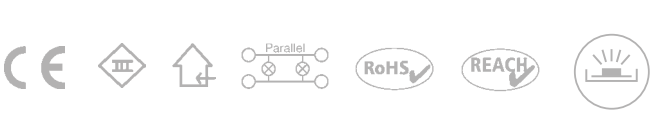


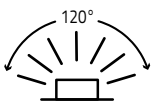
VARDAFLEX Quantum Triple

NEW

Flexible LED strip for indoor use, closely fitted, highly efficient (more than 150 lm/W), powerful (more than 3000 lm/metre), with self-adhesive back, single-colour

- 23 W/m: cuttable every 35.7 mm or 8 LEDs
- LED spacing: 4.46 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A++

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	10	1.4	224	3647	158.57	24	0.96	23	84117
3000 K	5	10	1.4	224	3647	158.57	24	0.96	23	84115
4000 K	5	10	1.4	224	3714	164.48	24	0.96	23	84118

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingo Pabst Photography

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80494
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex

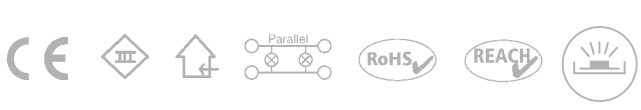


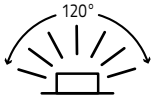


VARDAFLEX High Eco

Flexible LED strip for indoor use, short segments, powerful, with self-adhesive back, single-colour

- 28.8 W/m: cuttable every 25 mm or 3 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- **ATTENTION: This strip can only be soldered every 500 mm on surface side or every 25 mm on back side. For soldering on backside the self-adhesive glue must be removed and there must be an isolation to the profile or ground**
- maximum length per connection: 3 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 3 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
4000 K	3	10	1.5	120	2640	91.67	12	2.4	28.8	88198
3000 K	3	10	1.5	120	2784	96.67	12	2.4	28.8	88195
2700 K	3	10	1.5	120	2748	95.42	12	2.4	28.8	88197

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Kirche in Grohn

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex





VARDAFLEX High Performance

Flexible LED strip for indoor use, powerful, with self-adhesive back, sehr hell, single-colour

- 36 W/m: cuttable every 83.3 mm or 3 LEDs
- LED spacing: 28 mm
- constant current (IC chip on board)
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 2 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 2 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**



Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
4000 K	2	10	2	36	3672	102.00	24	1.5	36	86818
3000 K	2	10	2	36	3517	97.70	24	1.5	36	86815
2700 K	2	10	2	36	3344	92.90	24	1.5	36	86817

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex



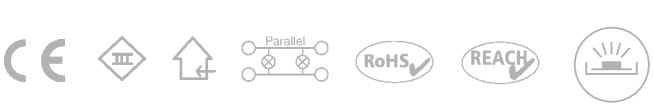


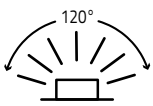
VARDAFLEX Supra

NEW

Flexible LED strip for indoor use, closely fitted, highly efficient (more than 120 lm/W), extreme powerful (more than 5000 lm/metre), with self-adhesive back, single-colour

- 42 W/m: cuttable every 33 mm or 8 LEDs
- LED spacing: 4.2 mm
- constant current (IC chip on board)
- beam angle: 120°
- maximum length per connection: 3 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 3 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A++

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	3	12	1.5	240	5371	127.88	24	1.75	42	82857
3000 K	3	12	1.5	240	5538	129.48	24	1.75	42	82855
4000 K	3	12	1.5	240	5894	140.33	24	1.75	42	82858

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography AIDA Joy

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 12 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



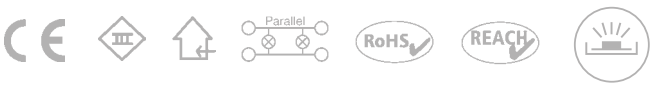


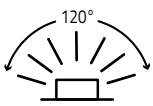
VARDAFLEX Slim

NEW

Flexible LED strip for indoor use, extreme slim, CRI 90, with self-adhesive back, single-colour

- 10 W/m: cuttable every 50 mm or 7 LEDs
- LED spacing: 7.14 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 54,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	3.5	1.2	140	918	91.8	24	0.42	10	84603
3000 K	5	3.5	1.2	140	927	92.7	24	0.42	10	84605
4000 K	5	3.5	1.2	140	946	94.6	24	0.42	10	84608



Photo: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 3,5 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



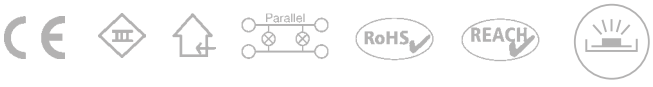


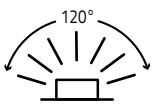
VARDAFLEX Mini Double

NEW

Flexible LED strip for indoor use, extreme slim, closely fitted, with self-adhesive back, single-colour

- 18 W/m: cuttable every 41.6 mm or 7 LEDs
- LED spacing: 5.94 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 54,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	5	1.5	168	1982	110.11	24	0.75	18	84983
3000 K	5	5	1.5	168	1999	111.06	24	0.75	18	84985
4000 K	5	5	1.5	168	1981	110.06	24	0.75	18	84988

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 5 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80494
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



Photo: Ingrid Fiebak Photography, AIDA Prima

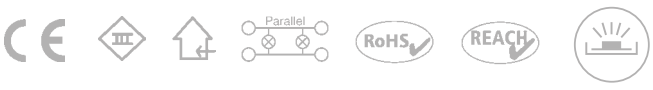


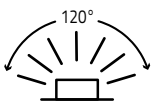
VARDAFLEX Mini Ultra

NEW

Flexible LED strip for indoor use, extreme slim, powerful, with self-adhesive back, single-colour

- 15 W/m: cuttable every 100 mm or 7 LEDs
- LED spacing: 14.29 mm
- constant current (IC chip on board)
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 54,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	5	1.5	70	1679	111.93	24	0.625	15	84973
3000 K	5	5	1.5	70	1830	122	24	0.625	15	84975

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 5 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



Photo: Ingrid Fiebak Photography, AIDA Prima

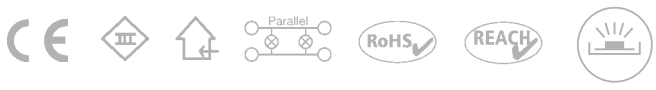


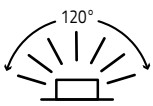
VARDAFLEX Para Eco

NEW

Flexible LED strip for indoor use, double row, CRI 90, with self-adhesive back, single-colour

- 19.2 W/m: cuttable every 25 mm or 6 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	14	2.2	240	1622	84.48	24	0.8	19.2	82443
3000 K	5	14	2.2	240	1661	86.51	24	0.8	19.2	82445

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: IDariusz Jarzabek@fotolia.com

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 14 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex





VARDAFLEX Para Supra Eco

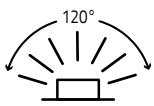
NEW

Flexible LED strip for indoor use, CRI 95, double row, highly efficient (more than 110 lm/W), extreme powerful (more than 5000 lm/metre), with self-adhesive back, single-colour

- 47 W/m: cuttable every 35.64 mm or 8 LEDs
- LED spacing: 8.91 mm
- constant current (IC chip on board)
- beam angle: 120°
- maximum length per connection: 3 metres - feed in anew for longer lengths
- CRI 95
- scope of delivery: 3 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 50,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**

Energy efficiency class A++

79852
Energy efficiency class A+



ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2400 K	3	12	1.8	224	5286	112.47	24	1.96	47	79852
2700 K	3	12	1.8	224	5495	116.92	24	1.96	47	79857
3000 K	3	12	1.8	224	5501	117.04	24	1.96	47	79855
4000 K	3	12	1.8	224	5528	117.62	24	1.96	47	79858

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography; AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 12 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



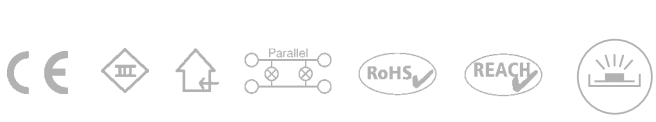


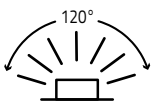
VARDAFLEX Para3

NEW

Flexible LED strip for indoor use, triple row, highly efficient (more than 110 lm/W), homogeneous line light, with self-adhesive back, single-colour

- 40 W/m: cuttable every 50 mm or 21 LEDs
- LED spacing: 7.14 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A++

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	5	30	1.5	420	4746	118.65	24	1.67	40	84453
3000 K	5	30	1.5	420	4754	118.85	24	1.67	40	84455
4000 K	5	30	1.5	420	4759	118.98	24	1.67	40	84458
6500 K	5	30	1.5	420	5019	125.48	24	1.67	40	84454

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 30 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



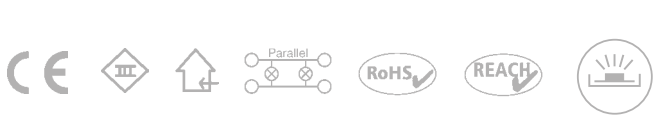


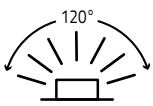
VARDAFLEX Para3 Superior

NEW

Flexible LED strip for indoor use, CRI 95 and higher, triple row, homogeneous line light, with self-adhesive back, single-colour

- 52.8 W/m: cuttable every 22.73 mm or 6 LEDs
- LED spacing: 11.36 mm
- beam angle: 120°
- maximum length per connection: 3 metres - feed in anew for longer lengths
- CRI 95 and higher
- scope of delivery: 3 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 50,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	3	22	1.8	264	3408	64.55	24	2.2	52.8	79453
3000 K	3	22	1.8	264	3440	65.15	24	2.2	52.8	79455

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography, AIDA Joy

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 22 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80200
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex





VARDAFLEX Side Mini Plus

Flexible LED strip for indoor use, with self-adhesive back, with side light exit, single-colour

- 88944: 4.8 W/m: cuttable every 25 mm or 3 LEDs
  88695: 4.8 W/m: cuttable every 50 mm or 3 LEDs
- 88944: LED spacing: 8.33 mm
  88695: LED spacing: 16.7 mm
- beam angle: 75°
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

Parallel

75°

Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
6500 K	5	8	2	120	562	78.00	12	0.4	4.8	88944
3000 K	5	5	2	60	278	58.00	12	0.4	4.8	88695

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 89992
Special cable for VARDAflex



Aluminium profile 18/10
Article no. 68477
(page 380)



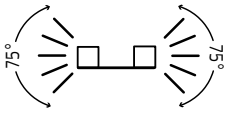


VARDAFLEX Side Mini Double

Flexible LED strip for indoor use, with self-adhesive back, with two side light distribution, single-colour

- 19.2 W/m: cuttable every 50 mm or 12 LEDs
- LED spacing: 8.33 mm
- beam angle: 2 x 75°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**



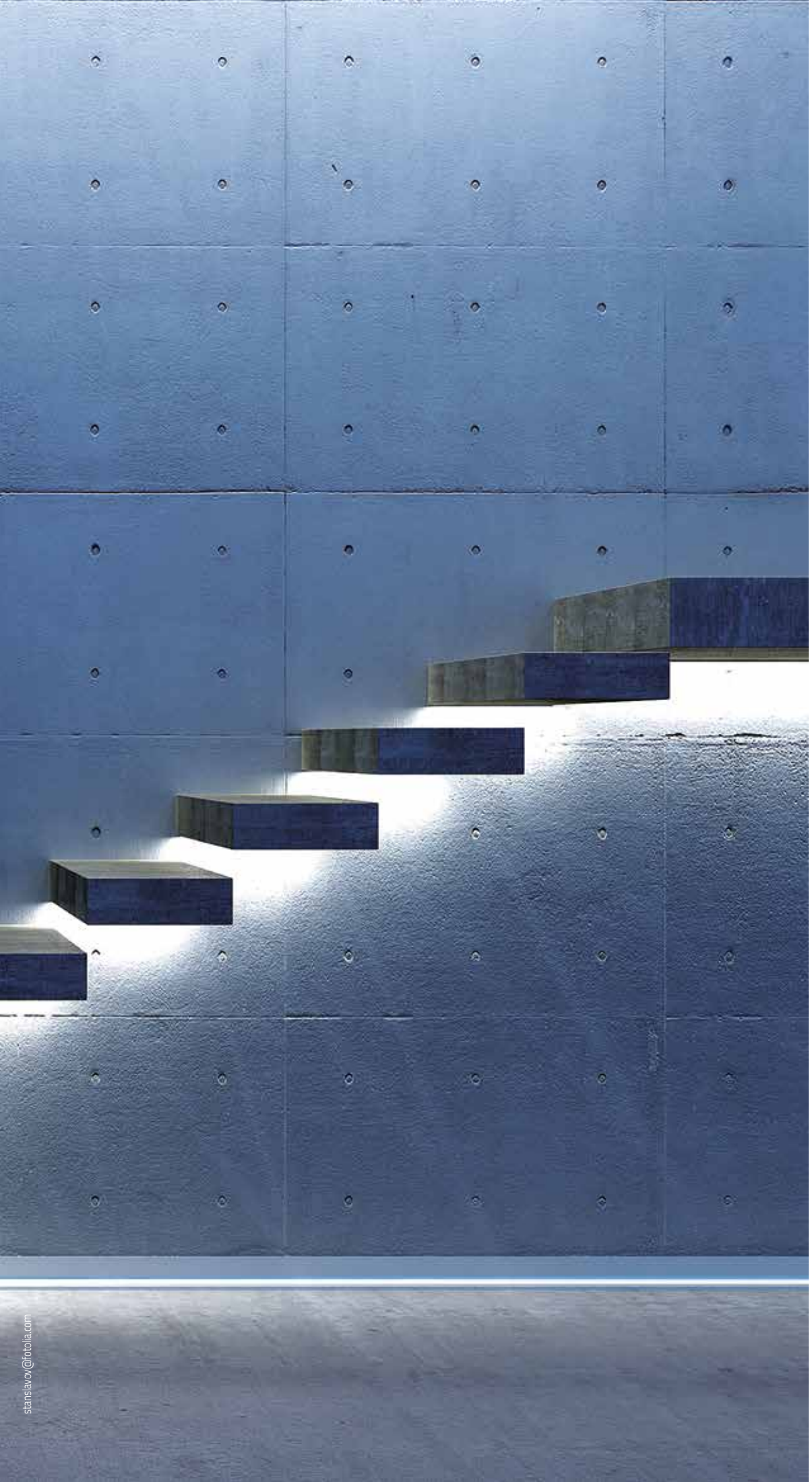


Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	5	8	2	240	1094	57.00	24	0.8	19.2	86845

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



stanislavov@fotolia.com

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Aluminium profile 18/10
Article no. 68477
(page 380)



Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 89992
Special cable for VARDAflex

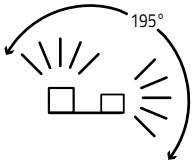




VARDAFLEX Asymmetrical

Flexible LED strip for indoor use, with self-adhesive back, standard and side light distribution, single-colour

- 19.2 W/m: cuttable every 50 mm or 12 LEDs
- LED spacing: 8.33 mm
- beam angle: 195°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**



Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	5	10	2.5	240	1399	72.86	24	0.8	19.2	86375
4000 K	5	10	2.5	240	1399	72.86	24	0.8	19.2	86378

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Aluminium profile 18/10
Article no. 68477
(page 380)



Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

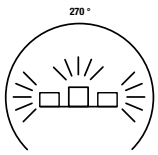




VARDAFLEX Surround

Flexible LED strip for indoor use, with self-adhesive back, beam angle 270°, single-colour

- 23.04 W/m: cuttable every 62 mm or 18 LEDs
- LED spacing: 10.36 mm
- beam angle: 270°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**

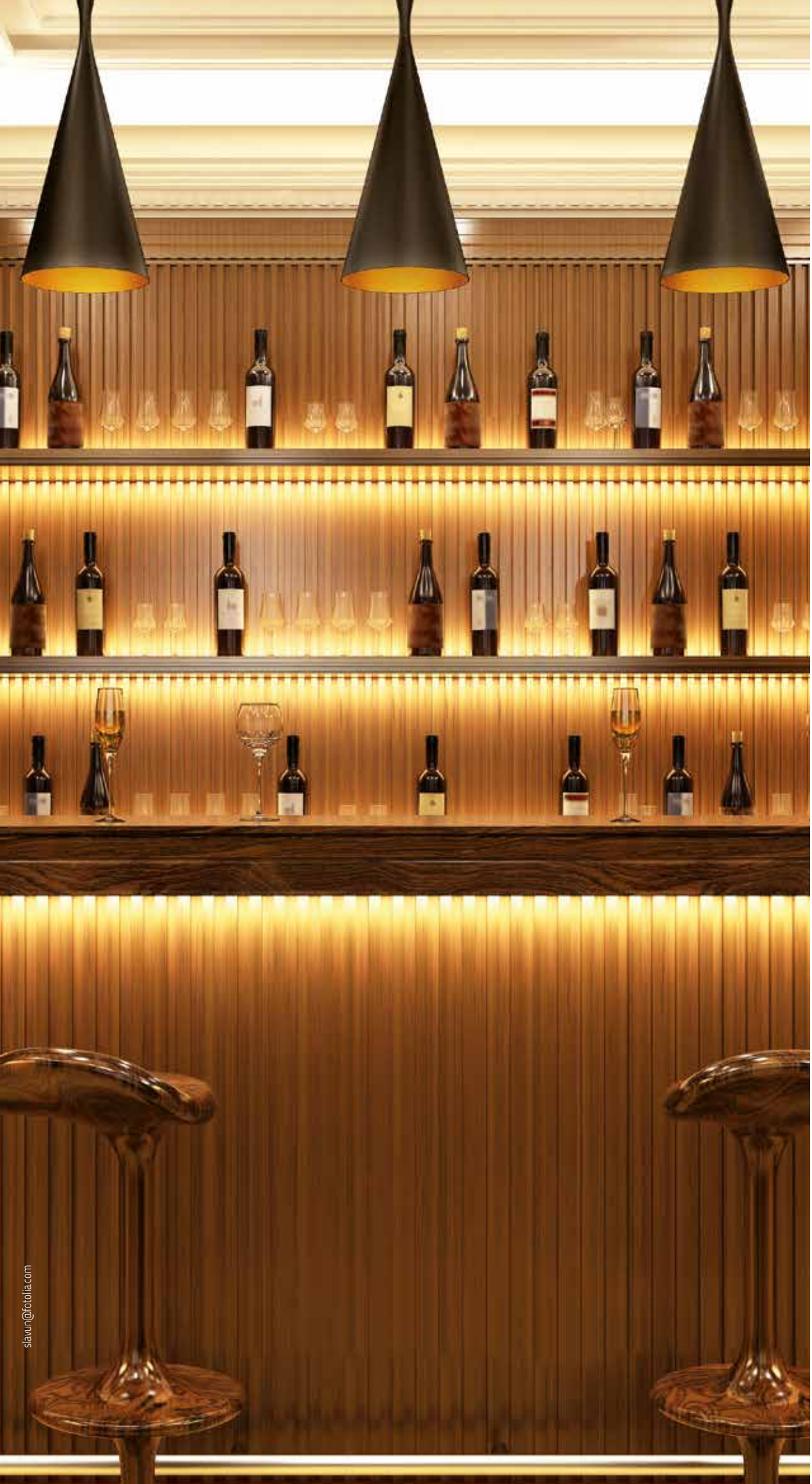


Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	5	10	2.5	288	1647	71.5	24	0.96	23.04	86385
4000 K	5	10	2.5	288	1582	68.7	24	0.96	23.04	86388

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



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Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Aluminium profile 18/10
Article no. 68477
(page 380)



Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex



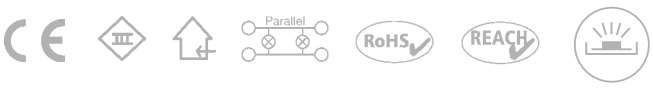


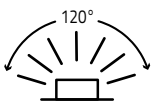
VARDAFLEX Grow

NEW

Flexible LED strip for indoor use, colour spectrum 460-660 nm, for plant growth, with self-adhesive back, single-colour

- 24 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector(profi)
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class C

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
460 - 660 nm	5	10	1.5	120	316	13.17	24	1	24	84000

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: VTT Studio @ fotolia.com

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 70531 in-feeder connector Push

Article no. 70532 direct connector Push



Article no. 89992
Special cable for VARDAflex

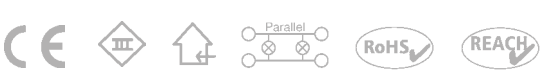


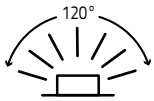


VARDAFLEX Infrared IR-940 nm

Flexible LED strip for indoor use, with self-adhesive back, suitable for laboratory applications

- 4.8 W/m: cuttable every 50 mm or 3 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- lifespan L70: ≥ 36,000 hours





ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
Infrared	5	8	2.5	60	-	-	12	0.4	4.8	88997

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Michal Ludwiczak@ fotolia.com

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



Article no. 70534 in-feeder connector Push

Article no. 70538 direct connector Push



Article no. 86536
in-feeder connector Single Profi

Article no. 86538 direct connector Single Profi



Article no. 86534
Flex connector single Profi



Article no. 89992
Special cable for VARDAflex

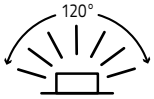


VARDAFLEX Para UV Black Light

Flexible LED strip for indoor use, UV Black Light, with self-adhesive back, single-colour

- 19.2 W/m: cuttable every 25 mm or 6 LEDs
- LED spacing: 8.33 mm
- two rows of LEDs parallell
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
UV	5	16	2.5	240	-	-	12	1.6	19.2	88996



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Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

All aluminium profiles upwards of 16 mm
(see overview on page 368/369)



Optional accessories

Dimmer e.g. Article no. 80474
(see overview from page 442)



Article no. 86006
in-feeder connector



Article no. 86007 direct connector

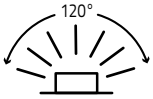




VARDAFLEX Select / Double Select

Flexible LED strip for indoor use, variable luminous colour selection, with self-adhesive back, alternatively fitted out, 2-colours

- Light control (white / warm white), possible from 2200 K up to 4000 K
- Select 12 Volt: 9.6 W/m: cuttable every 50 mm or 6 LEDs
  Select 24 Volt: 9.6 W/m: cuttable every 100 mm or 6 LEDs
  Double Select 24 Volt:
  19.2 W/m: cuttable every 100 mm or 12 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 Meter (5 metres with 86528 and 86529) - feed in anew for longer lengths
- CRI 80 (86528 and 86529)
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- lifespan L70: ≥ 36,000 hours
- No restrictions on choice of colour:
  colours or mixed light
  UWW (2700 K) / amber for pastries
  UWW (2700 K) / red for meat



86528: Energy efficiency class A+

others: Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
Select	red / green	5	8	1.8	120	636	66.25	12	0.8	9.6	88529
Select	red / blue	5	8	1.8	120	636	66.25	12	0.8	9.6	88526
Select	2700 / amber	5	8	1.8	120	636	66.25	12	0.8	9.6	88523
Select	2700 / red	5	8	1.8	120	636	66.25	12	0.8	9.6	88530
Select	2200 + 4000 K	5	10	2.5	120	859	89.48	24	0.4	9.6	86528
Double Select	2300 + 4000 K	5	10	2.5	120	1561	81.30	24	0.8	19.2	86529

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**





Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Controller, e. g. Article no. 80715 (page 471)



Optional accessories

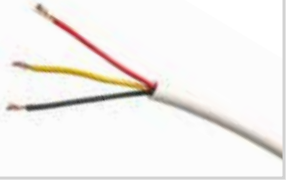
All aluminium profiles upwards of 8 bzw. 10 mm (see overview on page 368/369)



Article no. 70520 in-feeder connector Push



Article no. 89993
Special cable for VARDAflex



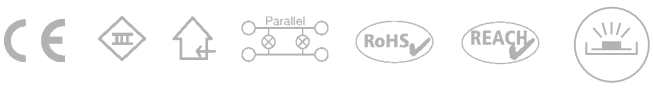


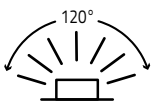
VARDAFLEX Select-CRI

NEW

Flexible LED strip for indoor use, 2500 K + red + 6200 K, with self-adhesive back, UWW+R+W

- 16,3 W/m: cuttable every 83.3 mm or 6 LEDs
- LED spacing: 13.85 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 87
- R9 to 40 (R-figure adjustable)
- scope of delivery: 5 metre roll
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
6200+R+2500 K	5	10	2.2	72	1087	64.7	24	0.7	16.8	75530

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography: AIDA Prima

Photo: Ingrid Fiebak Photography: AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Controller e.g. Article no. 80200
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 70533 in-feeder connector Push

Article no. 70539 direct connector Push



Article no. 89994
Special cable for VARDAflex



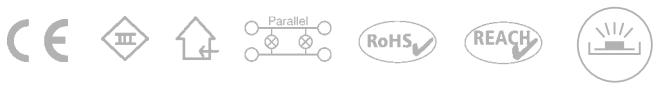


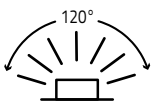
VARDAFLEX Single Select

NEW

Flexible LED strip for indoor use , cuttable every LED, 2100-6000 K, with self-adhesive back, two-coloured

- 21 W/m: cuttable every 8.33 mm or cuttable every LED
- LED spacing: 8.33 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- lifespan L70: ≥ 54,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2100-6000 K	5	10	1.5	120	2002	95.33	24	0.88	21	84859

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page 368/369)



Controller e. g. Article no. 80715
(see overview from page 442)



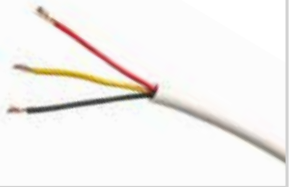
CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 70520 in-feeder connector Push



Article no. 89993
Special cable for VARDAflex



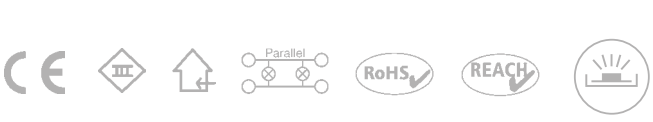


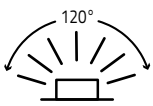
VARDAFLEX Double Select Eco

NEW

Flexible LED strip for indoor use, 2100 - 5000 K closely fitted, with self-adhesive back, CRI 90, two-coloured

- 21 W/m: cuttable every 50 mm or 12 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 5 metre roll
- lifespan L70: ≥ 54,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2100-5000 K	5	10	1.2	240	1558	74.19	24	0.88	21	84529

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



Controller e. g. Article no. 80200
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 70520 in-feeder connector Push



Article no. 89993
Special cable for VARDAflex



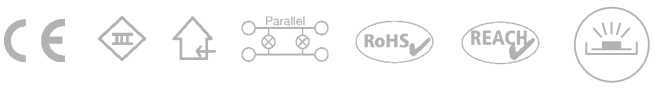


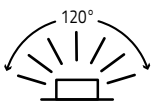
VARDAFLEX Ultra Select

NEW

Flexible LED strip for indoor use, powerful, 3200 - 5700 K with self-adhesive back, two-coloured

- 28.8 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A+

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3200- 5700 K	5	10	1.6	60	2647	91.91	24	1.2	28.8	86829

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Photo: Ingrid Fiebak Photography; AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



Controller e. g. Article no. 80200
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 70520 in-feeder connector Push



Article no. 89993
Special cable for VARDAflex



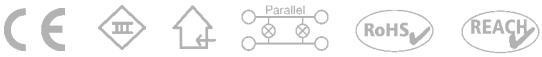

VARDAflex RGB

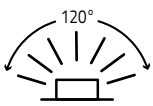

VARDAflex RGB Double

VARDAFLEX RGB / RGB Double

Flexible LED strip for indoor use, with self-adhesive back, RGB

- RGB (12 Volt): 7,2 W/m: cuttable every 100 mm or 3 LEDs
  RGB (24 Volt): 7,2 W/m: cuttable every 165 mm or 5 LEDs
  RGB Double: 14,4 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: RGB: 33 mm, RGB Double: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres (RGB Double: 8 metres) - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector (profi), 1 direct connector (profi)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours





Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB - 12 Volt	5	10	2	30	194	26.96	12	0.6	7.2	88546
RGB - 24 Volt	5	10	2	30	198	27.54	24	0.3	7.2	86546
RGB Double - 24 Volt	5	10	2	60	396	27.50	24	0.6	14.4	86576

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

RGB Controller
e. g. Article no. 80460
(see overview from page 442)



Optional accessories

All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70533 in-feeder connector Push

Article no. 70539 direct connector Push



Article no. 86533
Einspeisung RGB Profi

Article no. 86539 direct connector RGB Profi



Article no. 86535
Flexverbinder RGB Profi



Article no. 89994
Special cable for VARDAflex

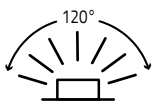


VARDAFLEX Nova RGB

NEW

Flexible LED strip for indoor use, contrast RGB chip, with self-adhesive back, RGB

- 14.4 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector(profi)
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours



Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	10	3.5	60	416	28.89	24	0.6	14.4	84575

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photos: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



RGB-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70533 in-feeder connector Push

Article no. 70539 direct connector Push



Article no. 89994
Special cable for VARDAflex

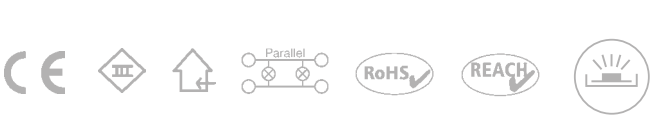


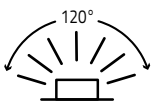
VARDAFLEX Nova RGB Double

NEW

Flexible LED strip for indoor use, contrast RGB chip, closely fitted, with self-adhesive back, RGB

- 19.2 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	10	3.5	120	688	35.83	24	0.8	19.2	84576

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Photo: Ingrid Fiebak Photography: AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



RGB-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 89994
Special cable for VARDAflex



Touchpanels page 457, 467
and from page 480



Article no. 80491
Repeater from page 488



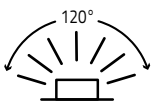


VARDAFLEX RGB Ultra

NEW

Flexible LED strip for indoor use, closely fitted, with self-adhesive back, RGB

- 23 W/m: cuttable every 62.5 mm or 6 LEDs
- LED spacing: 10.42 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**



Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	12	2.5	96	685	29.78	24	0.96	23	84577

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Photo: Ingrid Fiebak Photography, AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 12 mm
(see overview on page
368/369)



RGB-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 89994
Special cable for VARDAflex



Touchpanels page 457, 467
and from page 480



Article no. 80491
Repeater from page 488



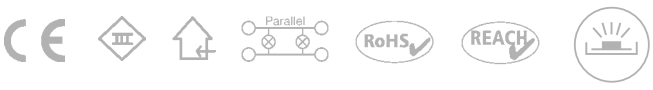


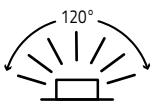
VARDAFLEX RGB Para

NEW

Flexible LED strip for indoor use, double row, with self-adhesive back, RGB

- 28 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 60,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	20	2.5	120	932	33.29	24	1.17	28	84578

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography AIDA Lo

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 20 mm
(see overview on page
368/369)



RGB-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 89994
Special cable for VARDAflex



Touchpanels page 457, 467
and from page 480



Article no. 80491
Repeater from page 488



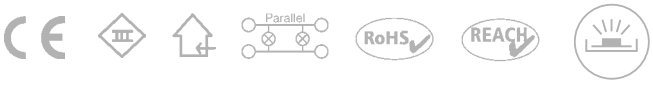


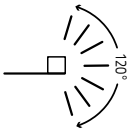
VARDAFLEX RGB Side Single

NEW

Flexible LED strip for indoor use, Side-RGB chip, powerful, cuttable every LED, with self-adhesive back, RGB

- 14,4 W/m: cuttable every 16,7 mm or every LED
- LED spacing: 16.7 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class D

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	10	1.2	60	161	11.18	12	1.2	14.4	77856

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography, AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page 368/369)



RGB-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 89994
Special cable for VARDAflex



Touchpanels page 457, 467 and from page 480



Article no. 80491
Repeater from page 488



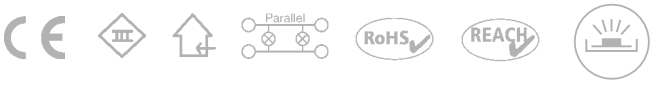


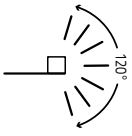
VARDAFLEX RGB Side Ultra

NEW

Flexible LED strip for indoor use, Side-RGB chip, powerful, with self-adhesive back, RGB

- 32 W/m: cuttable every 50 mm or 6 LEDs
- LED spacing: 8.33 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	10	2.0	120	695	21.72	24	1.33	32	74856

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Photo: Ingrid Fiebak Photography AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page 368/369)



RGB-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 89994
Special cable for VARDAflex



Touchpanels page 457, 467 and from page 480



Article no. 80491
Repeater from page 488





VARDAFLEX RGB+WW

Flexible LED strip for indoor use, with self-adhesive back, RGBW

- 9.6 W/m: cuttable every 167 mm or 10 LEDs
- LED spacing: 16.7 mm
- various light control units with RGB controller
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB + WW ca. 3000 K	5	12	2.6	60	432	45	24	0.4	9.6	86512

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**









Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

RGBW-Controller
e. g. Article no. 80462
(see overview from page 442)



Optional accessories

All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



Article no. 70500
in-feeder connector Push

Article no. 70537 direct connector Push



Article no. 89995
Special cable for VARDAflex





VARDAFLEX 4inOne-60

NEW

Flexible LED strip for indoor use, RGB+BZ (bronze), RGB+A (amber), W, NW, WW or UWW in one chip, with self-adhesive back, RGBW

- 19.2 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, (Article no. from 86520 to 86523: 5 in-feeder connector, 1 direct connector)
- graded and stored by binning codes
- lifespan L70: ≥ 50,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**

Energy efficiency class A

86520
Energy efficiency class B

120°

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+ W (6500 K)	5	10	2	60	900	46.88	24	0.8	19.2	86521
RGB+WW (3000 K)	5	10	2	60	846	44.00	24	0.8	19.2	86522
RGB+NW (4000 K)	5	10	2	60	876	45.63	24	0.8	19.2	86523
RGB+A (amber)	5	10	2	60	663	34.53	24	0.8	19.2	86520
RGB+BZ (2300 - 2600 K)	5	12	2	60	825	42.97	24	0.8	19.2	79541
RGB+UWW (2600 - 2900 K)	5	12	2	60	859	44.74	24	0.8	19.2	79542
RGB+WW (2900 - 3200 K)	5	12	2	60	867	45.16	24	0.8	19.2	79543

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Photo: Ingrid Fiebak Photography, AIDA Joy

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10/12 mm
(see overview on page
368/369)



RGBW-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

nur für Article no. 79541-79543: Article no. 70500 in-feeder connector Push
Article no. 70537 direct connector Push



Article no. 89995
Special cable for VARDAflex



Touchpanels page 457, 467 and from page 480



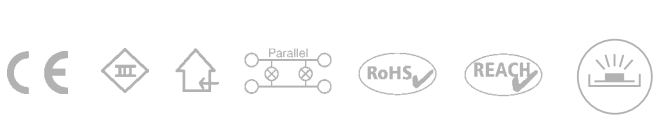


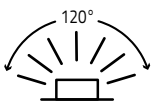
VARDAFLEX 4inOne-84

NEW

Flexible LED strip for indoor use, warm white in different colours and RGB in one chip, with self-adhesive back, RGB+BZ (bronze), UWW or WW

- 27 W/m: cuttable every 71 mm or 6 LEDs
- LED spacing: 11.9 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 50,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+BZ (2300 - 2600 K)	5	12	2.0	84	1186	43.93	24	1.12	27	79561
RGB+UWW (2600 - 2900 K)	5	12	2.0	84	1186	43.93	24	1.12	27	79562
RGB+WW (2900 - 3200 K)	5	12	2.0	84	1198	44.37	24	1.12	27	79563

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 12 mm
(see overview on page
368/369)



RGBW-Controller
e. g. Article no. 80462
(see overview from page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Article no. 70500 in-feeder connector Push

Article no. 70537 direct connector Push



Article no. 89995
Special cable for VARDAflex



Touchpanels page 457, 467 and from page 480



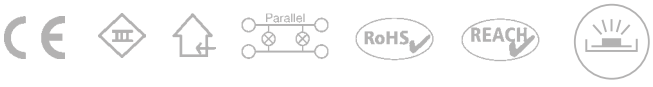


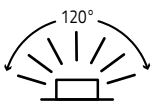
VARDAFLEX 5inOne-60

NEW

Flexible LED strip for indoor use, cold white, warm white and RGB in one chip, with self-adhesive back, RGB+W+UWW

- 24 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+W+UWW 6500 + 2400 K	5	14	2.5	60	1502	62.58	24	1	24	82518

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



Photo: Ingrid Fiebak Photography AIDA Joy

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 14 mm
(see overview on page 368/369)



Controller e. g. Article no. 80464 page 455 or 80206 page 477



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

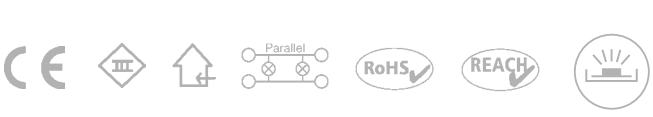


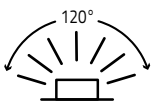
VARDAFLEX 5inOne-96

NEW

Flexible LED strip for indoor use, cold white, warm white and RGB in one chip, with self-adhesive back, RGB+W+UWW

- 25 W/m: cuttable every 62.5 mm or 6 LEDs
- LED spacing: 10.41 mm
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+W+UWW 6400 + 2400 K	5	12	2.3	96	1681	67.24	24	1.04	25	74518

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Photo: Ingrid Fiebak Photography AIDA Prima

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles upwards of 12 mm
(see overview on page 368/369)



Controller e. g. Article no. 80464
page 455 or 80206 page 477



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

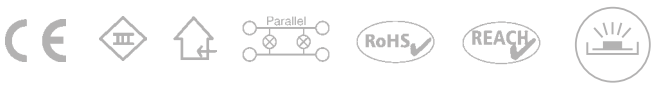


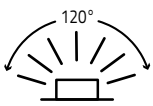
VARDAFLEX RGB+W+WW

NEW

Flexible LED strip for indoor use, cold white, warm white and RGB, individual chips, closely fitted, with self-adhesive back, RGB+W+WW

- 26 W/m: cuttable every 100 mm or 18 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+W+WW 6300 + 3000 K	5	15	2.3	180	1787	68.73	24	1.08	26	84524

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

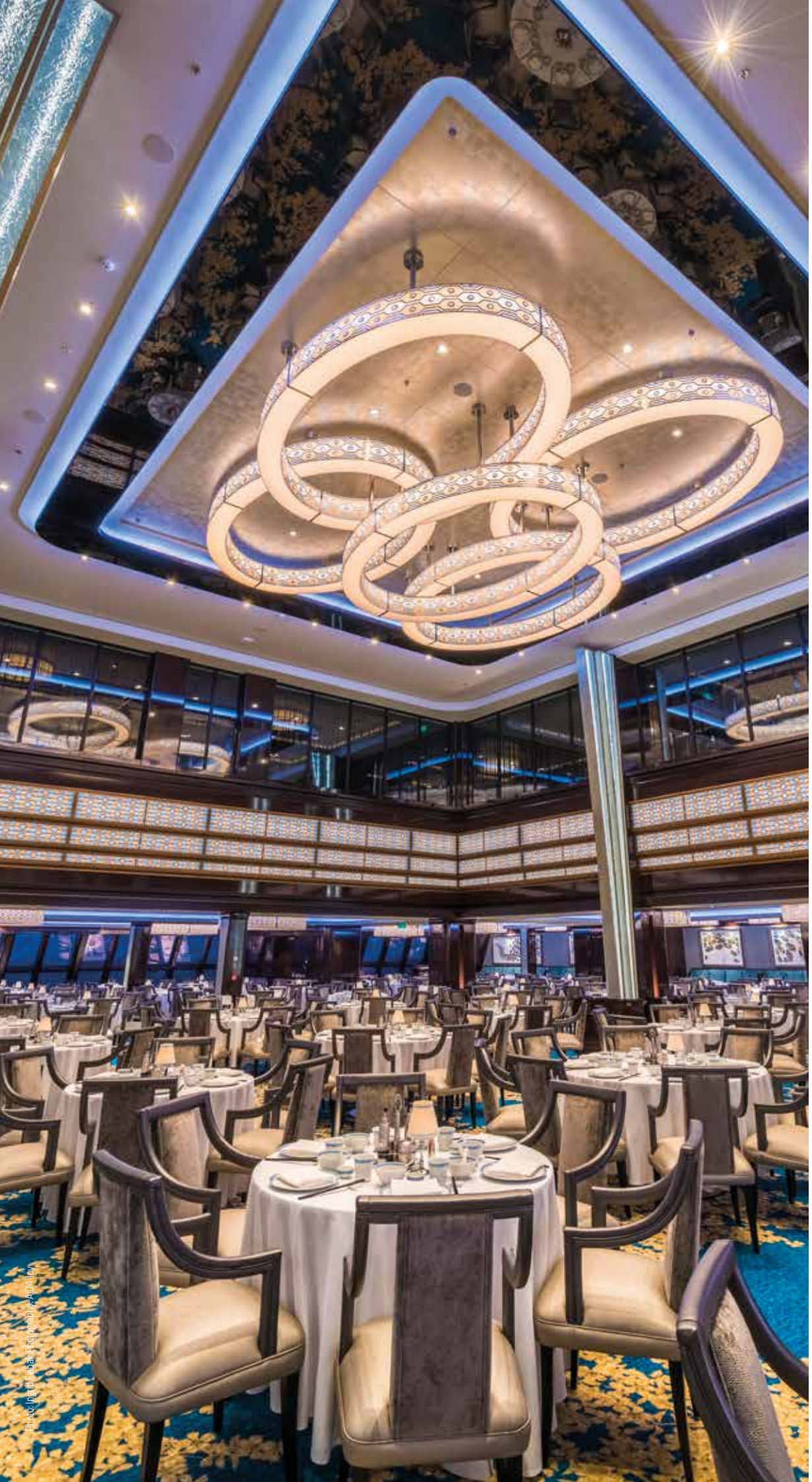


Photo: Hotel Ikarus, Photography: ADAM Lay

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 15 mm
(see overview on page
368/369)



Controller e. g. Article no. 80464
page 455 or 80206 page 477



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

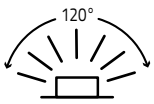


VARDAFLEX RGB+W+WW / RGB+W+A

Flexible LED strip for indoor use, ccold white and warm white or amber and RGB, individual chips, closely fitted, with self-adhesive back

- 86524 / 86527: 28.8 W/m: cuttable every 100 mm or 18 LEDs
- 86525: 19.2 W/m: cuttable every 250 mm or 18 LEDs
- 86526: 19.2 W/m: cuttable every 125 mm or 18 LEDs
- LED spacing:
  86524 / 86527: 16.7 mm
  86526: 20.8 mm
  86525: 41.7 mm
- beam angle: 120°
- CRI 80
- maximum length per connection: 3 metres - feed in anew for longer lengths
- scope of delivery: 3 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**





86524, 86525, 86527:
Energy efficiency class A

86526:
Energy efficiency class B

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+W+WW	6500 K / 3000 K	3	10	2.5	180	2016	70.00	24	1.2	28.8	86524
RGB+W+A	6500 K / amber	3	10	2.5	72	806	42.00	24	0.8	19.2	86525
DOUBLE RGB+W+A	6500 K / amber	3	12	2.5	144	674	35.1	24	0.8	19.2	86526
DOUBLE RGB+W+WW	6500 K / 3000 K	3	12	2.5	180	1881	60.3	24	1.2	28.8	86527

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Sushi Factory, Hamburg Fisch Markt

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Controller e. g. Article no. 80464
page 455 or 80206 page 477



All aluminium profiles upwards of 10/12 mm
(see overview on page 368/369)





VARDAFLEX Nano IP66

Flexible LED strip for indoor and outdoor use, with self-adhesive back, single-colour, IP66

- 4.8 W/m: not cuttable
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- CRI 80
- scope of delivery: 5 metre roll, 2-metre roll, 1 metre roll or 0,5 metre roll including plug and socket and IP-cover
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP66 Parallel RoHS REACH UV resistant 120° Energy efficiency class A

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	5	8	2.5	60	435	90.63	24	0.2	4.8	81565
3000 K	2	8	2.5	60	435	90.63	24	0.2	4.8	81595
3000 K	1	8	2.5	60	435	90.63	24	0.2	4.8	81575
3000 K	0.5	8	2.5	60	435	90.63	24	0.2	4.8	81585

CUSTOMIZED LENGTH AND TYPEE ON REQUEST



Foto: pbombaert@fotolia.com

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview on page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)





VARDAFLEX IP67 / Plus IP67

Flexible LED strip for indoor and outdoor use, with self-adhesive back, extruded with polyurehan, single-colour, IP67

- IP67: 4.8 W/m: cuttable every 100 mm or 6 LEDs
  Plus IP67: 9.6 W/m: cuttable every 50 mm or 3 LEDs
- LED spacing: IP67: 16.7 mm / Plus IP67: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 75
- scope of delivery: 5 metre roll, 1 in-feeder connector, 10 holders, 1 end cap
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP67 Parallel RoHS REACH UV resistant 120° Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
IP67	3000 K	5	8	3	60	336	70.00	24	0.2	4.8	86475
Plus IP67	3000 K	5	8	3	120	673	70.00	24	0.4	9.6	86485





Comig, Salzwedel

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview on page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!

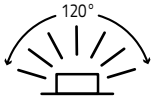


VARDAFLEX IP68

Flexible LED strip for indoor and outdoor use, in silicone sleeve, single-colour, IP68

- 4.8 W/m
- 12 Volt: cuttable every 50 mm or 3 LEDs
  24 Volt: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 80 (except coloured strips)
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector, 1 connecting sleeve, 1 silicone gel tube, 30 holders, 2 end caps, 2 in-feeder caps
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP68 Parallel RoHS REACH



ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	EEC	Volt V DC	Current A / m	Power Watt / m	Article no.
red	5	11	4	60	60	12.50	C	12	0.4	4.8	88560
yellow	5	11	4	60	60	12.50	C	12	0.4	4.8	88561
blue	5	11	4	60	88	18.38	B	12	0.4	4.8	88562
green	5	11	4	60	222	46.25	A	12	0.4	4.8	88563
6500 K	5	11	4	60	468	97.50	A+	12	0.4	4.8	88564
3000 K	5	11	4	60	402	83.75	A+	12	0.4	4.8	88565
6500 K	5	11	4	60	408	85.00	A+	24	0.2	4.8	86564
3000 K	5	11	4	60	414	86.25	A+	24	0.2	4.8	86565

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



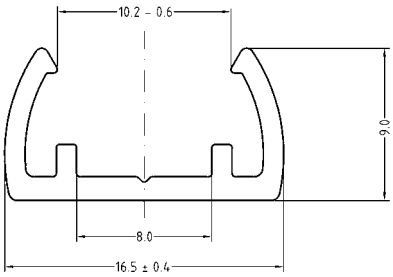


Gornig, Salzwedel

INSTALLATION TIP



Plastic profile PMMA 68306
Easy to fasten!
With space for the screw heads.



FITTING ACCESSORIES

In-feeder	Accessories	Holders
		

Accessories Single Colour	Article no.
In-feeder connector Single	88536
Direct connector Single	88538
Holders for strips Single	88567
Silicone - In-feeder cap Single	88569
Connecting sleeve Single	88671
Silicone, neutral cross - linked, 5 ml tube	88670
Silicone, neutral cross - linked, 310 ml tube	89999
Plastic profile, 2 metres (for indoor use)	68308
PMMA profile, 2 metres (for indoor and outdoor use)	68306

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview on page 442)



Our suggestion
Plastic profile 68306



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!

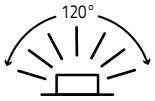


VARDAFLEX Outdoor

Flexible LED strip for indoor and outdoor use,sealed in white (WS) and black (SW), IP67, not UV - resistant, single-colour

- 6 W/m: cuttable every 200 mm or 6 LEDs
- LED spacing: 33.2 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 30 metres - (feed-in both sides upwards of 15 metres) feed in anew for longer lengths
- CRI 70
- scope of delivery: 10, 20 or 30 metre roll, with in-feeder connectors provided at each end (10 m variant has an in-feeder connector and an end cap)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP67 Parallel RoHS REACH UV resistant



LED colour: W
Energy efficiency class A+

LED colour: WW
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Strip colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
10M WS	3000 K	white	10	13.5	6	30	420	70.00	24	0.25	6	86905
20M WS	3000 K	white	20	13.5	6	30	420	70.00	24	0.25	6	86915
30M WS	6500 K	white	30	13.5	6	30	624	104.00	24	0.25	6	86924
30M WS	3000 K	white	30	13.5	6	30	420	70.00	24	0.25	6	86925
10M SW	6500 K	black	10	13.5	6	30	624	104.00	24	0.25	6	86934
10M SW	3000 K	black	10	13.5	6	30	420	70.00	24	0.25	6	86935
20M SW	6500 K	black	20	13.5	6	30	624	104.00	24	0.25	6	86944
20M SW	3000 K	black	20	13.5	6	30	420	70.00	24	0.25	6	86945
30M SW	6500 K	black	30	13.5	6	30	624	104.00	24	0.25	6	86954
30M SW	3000 K	black	30	13.5	6	30	420	70.00	24	0.25	6	86955

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**





10088



86640



86642

FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor single-col. FC01 30 cm IP65	86990	FC02 30 cm (with a two-sided in-feed) IP65	86996
End cap Outdoor single-colour IP65			86991
In-feeder unit Outdoor single-col. FC01 30 cm IP67	86640	FC02 30 cm (with a two-sided in-feed) IP67	86641
End cap Outdoor single-colour IP67			86642
Shrink sleeve Outdoor			86992
Silicone, neutral cross - linked, 20 ml tube			86993
Silicone, neutral cross - linked, 310 ml tube			89999
Fastening clip with screws			86994
Direct connector Outdoor			86995
Flex connector 30 cm			86997
Aluminium profile VARDAflex Outdoor, width 15.5 mm, height 10 mm		Length 2 metres	68332
Plastic profile white, width 15 mm, height 8.8 mm		Length 2 metres	68338
Sample case Outdoor			10088

Accessories and installation instructions on page 294/295

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview on page 442)



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!



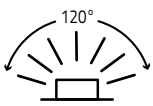
VARDAFLEX AC Eco

NEW

Flexible LED strip for indoor and outdoor use, 230 V, CRI 90, IP65, not UV - resistant, single-colour

- 8 W/m: cuttable every 500 mm or 27 LEDs
- to feed-in every metre
- LED spacing: 18.51 mm
- constant current (IC chip on board)
- beam angle: 120°
- maximum length per connection: 50 metres - feed in anew for longer lengths
- CRI 90
- scope of delivery: 50 metre roll
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP65 Parallel RoHS REACH UV resistant



Energy efficiency class A

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V AC	Current A / m	Power Watt / m	Article no.
3000 K	50	15.5	6	54	360	45.0	230	0.035	8	74925
4000 K	50	15.5	6	54	519	64.88	230	0.035	8	74928

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

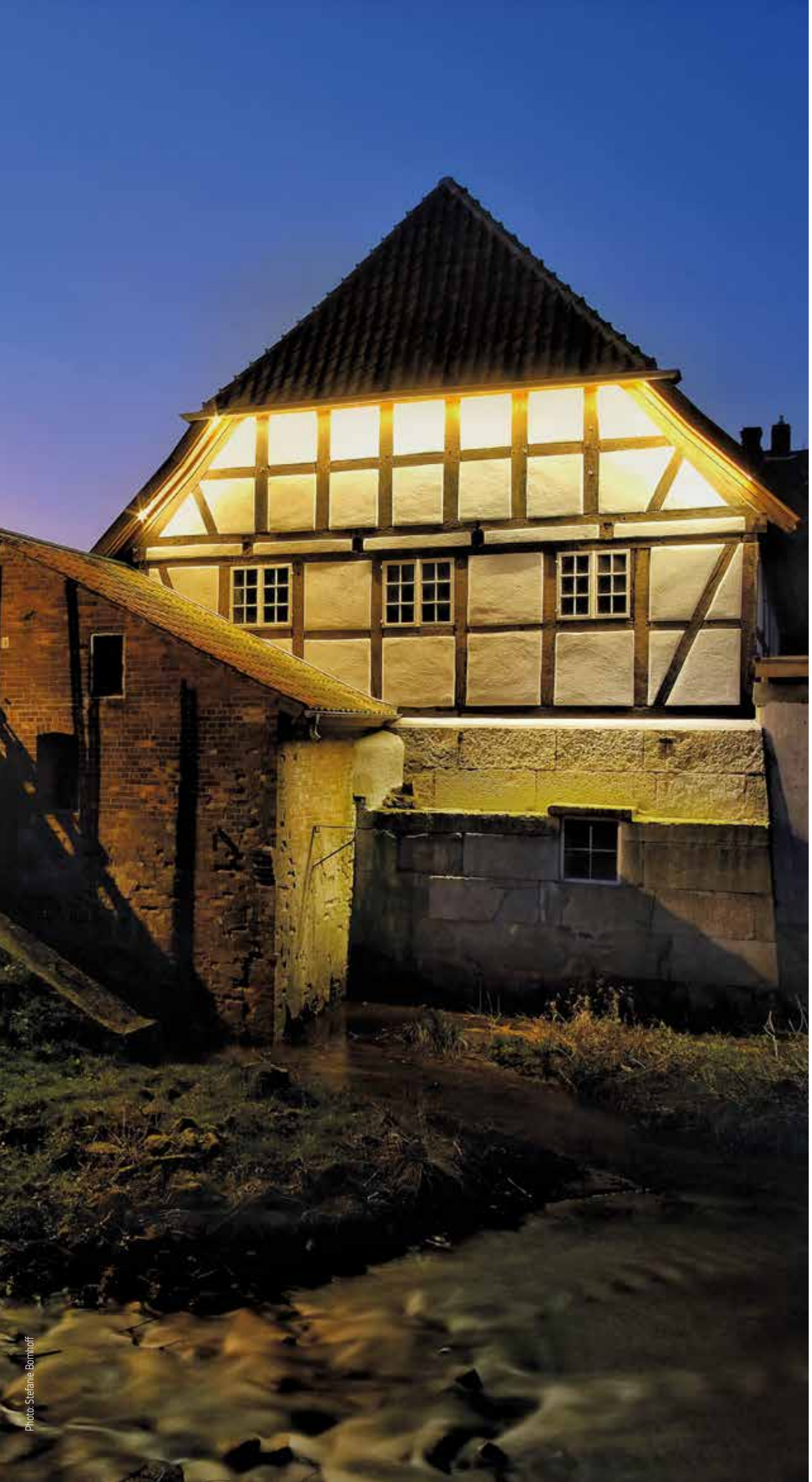


Photo: Stefanie Bomhoff

Required accessories

Optional accessories

Article no. 74990
in-feeder

Article no. 74992 end cap

Profiles
2 metres
68322 or 68328



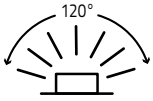


VARDAFLEX Nano Plus IP66

Flexible LED strip for indoor and outdoor use, with self-adhesive back, single-colour, IP66

- 9.6 W/m: not cuttable
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- CRI 80
- scope of delivery: 5 metre roll, 2-metre roll, 1 metre roll or 0,5 metre roll including plug and socket and IP-cover
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP66 Parallel RoHS REACH UV resistant



81195: Energy efficiency class A+

Energy efficiency class A

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	5	8	2.5	120	900	93.75	24	0.4	9.6	81165
3000 K	2	8	2.5	120	900	93.75	24	0.4	9.6	81195
3000 K	1	8	2.5	120	900	93.75	24	0.4	9.6	81175
3000 K	0.5	8	2.5	120	900	93.75	24	0.4	9.6	81185

CUSTOMIZED LENGTH AND TYPEE ON REQUEST



Foto: pbombaert@fotolia.com

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80475, 80474
(see overview on page 442)



All aluminium profiles upwards of 8 mm
(see overview on page 368/369)





VARDAFLEX Plus IP68

Flexible LED strip for indoor and outdoor use, in silicone sleeve, single-colour, IP68

- 9.6 W/m: cuttable every 25 mm or 3 LEDs
- LED spacing: 8 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 80
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector,1 connecting sleeve, 1 silicone gel tube, 30 holders, 2 end caps, 2 in-feeder caps
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP68 Parallel RoHS REACH UV 120°

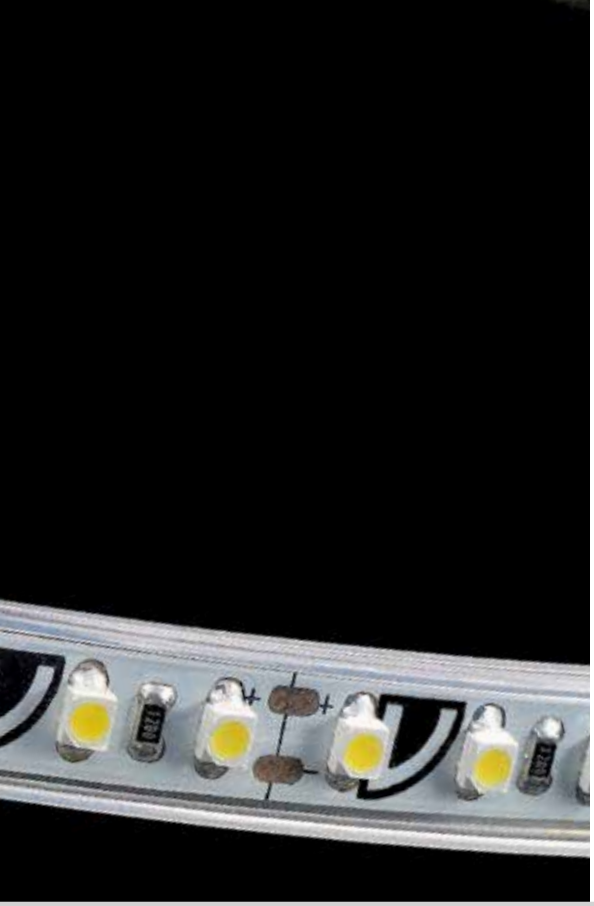
LED colour: W
Energy efficiency class A+

LED colour: WW
Energy efficiency class A

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
6500 K	5	11	4	120	840	87.50	12	0.8	9.6	88164
3000 K	5	11	4	120	744	77.50	12	0.8	9.6	88165

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

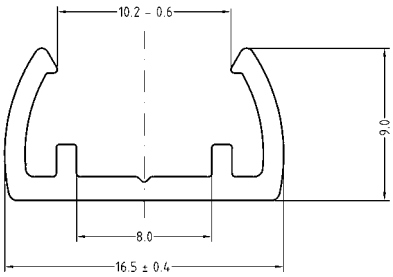




INSTALLATION TIP



Plastic profile 68306 PMMA
Easy to fasten!
With space for the screw heads.



FITTING ACCESSORIES

In-feeder	Accessories	Holders
		

Accessories Single Colour	Article no.
In-feeder connector Single	88536
Direct connector Single	88538
Holders for strips Single	88567
Silicone - In-feeder cap Single	88569
Connecting sleeve Single	88671
Silicone, neutral cross - linked, 5 ml tube	88670
Silicone, neutral cross - linked, 310 ml tube	89999
Plastic profile, 2 metres (for indoor use)	68308
PMMA profile, 2 metres (for indoor and outdoor use)	68306

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview on page 442)



Our suggestion
Plastic profile 68306



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!





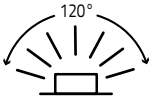


VARDAFLEX Outdoor Plus

Flexible LED strip for indoor and outdoor use, sealed in white (WS) and black (SW), IP67, not UV - resistant, single-colour,

- 12 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 20 metres - (feed-in both sides upwards of 10 metres) feed in anew for longer lengths
- CRI 70
- scope of delivery: 10 or 20 metre roll, with in-feeder connectors provided at each end (10 m variant has an in-feeder connector and an end cap)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP67 Parallel RoHS REACH UV resistant



LED colour: W
Energy efficiency class A+

LED colour: WW
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Strip colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
10M WS	6500 K	white	10	13.5	6	60	1248	104.00	24	0.5	12	86964
10M WS	3000 K	white	10	13.5	6	60	840	70.00	24	0.5	12	86965
20M WS	6500 K	white	20	13.5	6	60	1248	104.00	24	0.5	12	86974
20M WS	3000 K	white	20	13.5	6	60	840	70.00	24	0.5	12	86975
10M SW	6500 K	black	10	13.5	6	60	1248	104.00	24	0.5	12	86884
10M SW	3000 K	black	10	13.5	6	60	840	70.00	24	0.5	12	86885
20M SW	3000 K	black	20	13.5	6	60	840	70.00	24	0.5	12	86985



Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview from page 442)



Profiles Outdoor
2 metres
(see on the left)







FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor single-col. FC01 30 cm IP65	86990	FC02 30 cm (with a two-sided in-feed) IP65	86996
End cap Outdoor single-colour IP65			86991
In-feeder unit Outdoor single-col. FC01 30 cm IP67	86640	FC02 30 cm (with a two-sided in-feed) IP67	86641
End cap Outdoor single-colour IP67			86642
Shrink sleeve Outdoor			86992
Silicone, neutral cross - linked, 20 ml tube			86993
Silicone, neutral cross - linked, 310 ml tube			89999
Fastening clip with screws			86994
Direct connector Outdoor			86995
Flex connector 30 cm			86997
Aluminium profile VARDAflex Outdoor, width 15.5 mm, height 10 mm		Length 2 metres	68332
Plastic profile white, width 15 mm, height 8.8 mm		Length 2 metres	68338
Sample case Outdoor			10088

Accessories and installation instructions on page 294/295

CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!



VARDAFLEX Outdoor Plus Opal

Flexible LED strip for indoor and outdoor use, sealed in white , single-colour, IP65

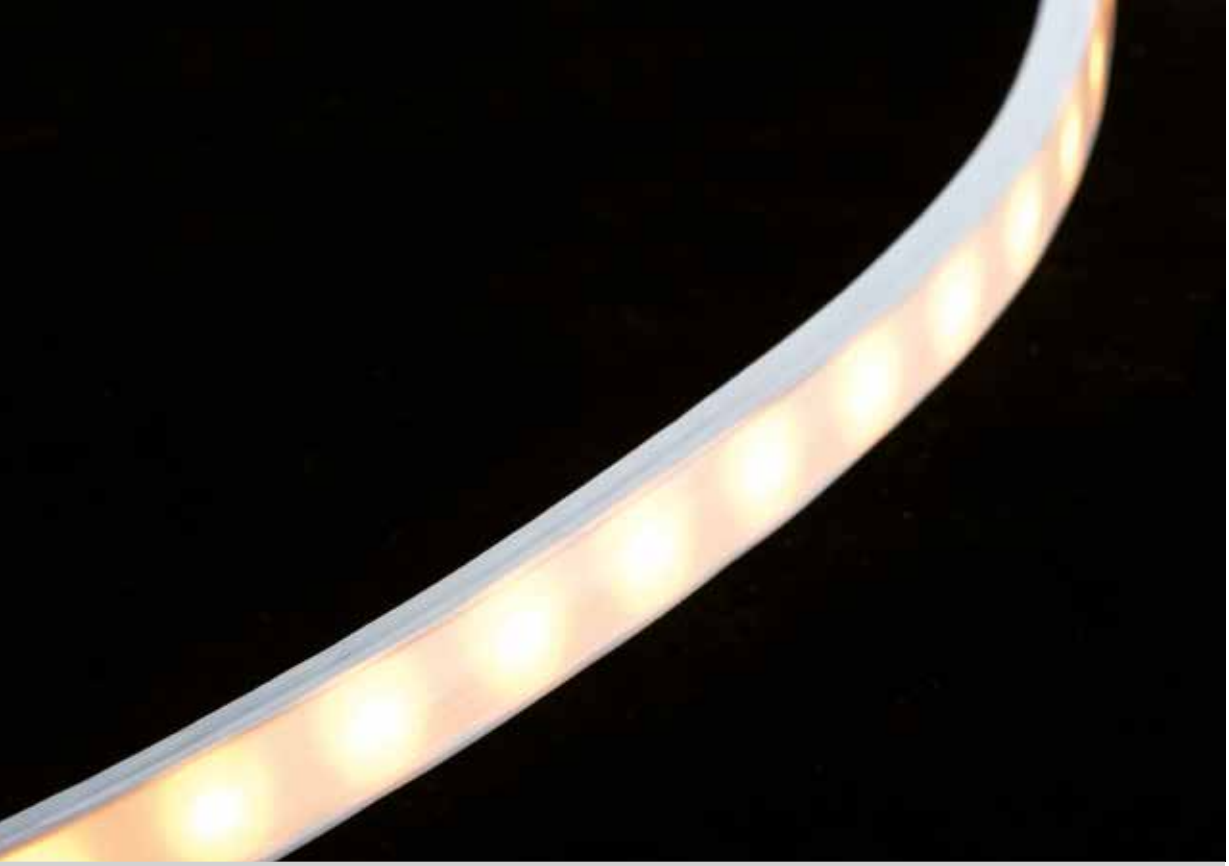
- 12 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 20 metres - (feed-in both sides upwards of 10 metres) feed in anew for longer lengths
- CRI 70
- scope of delivery: 10 metre roll, with in-feed connectors and an end cap
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP65 Parallel RoHS REACH UV resistant 120°

Energy efficiency class A

ORDERING INFORMATION

Colour	Band - farbe	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	white	10	13.5	6	60	540	45.00	24	0.5	12	86873
3000 K	white	10	13.5	6	60	660	55.00	24	0.5	12	86875



Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview on page 442)



Profiles Outdoor
2 metres
(see on the left)







FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor single-col. FC01 30 cm IP65	86990	FC02 30 cm (with a two-sided in-feed) IP65	86996
End cap Outdoor single-colour IP65			86991
In-feeder unit Outdoor single-col. FC01 30 cm IP67	86640	FC02 30 cm (with a two-sided in-feed) IP67	86641
End cap Outdoor single-colour IP67			86642
Shrink sleeve Outdoor			86992
Silicone, neutral cross - linked, 20 ml tube			86993
Silicone, neutral cross - linked, 310 ml tube			89999
Fastening clip with screws			86994
Direct connector Outdoor			86995
Flex connector 30 cm			86997
Aluminium profile VARDAflex Outdoor, width 15.5 mm, height 10 mm		Length 2 metres	68332
Plastic profile white, width 15 mm, height 8.8 mm		Length 2 metres	68338
Sample case Outdoor			10088

Accessories and installation instructions on page 294/295

CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!

Fitting accessories VARDAflex Outdoor and Outdoor Plus



In-feeder Outdoor
front Article no. 86990
upwards of 10 metres
back Article no. 86996



Direct connector Outdoor
Article no. 86995



Flex connector 30 cm
Article no. 86997



End cap Outdoor
Article no. 86991



Fastening clip with screws
Article no. 86994

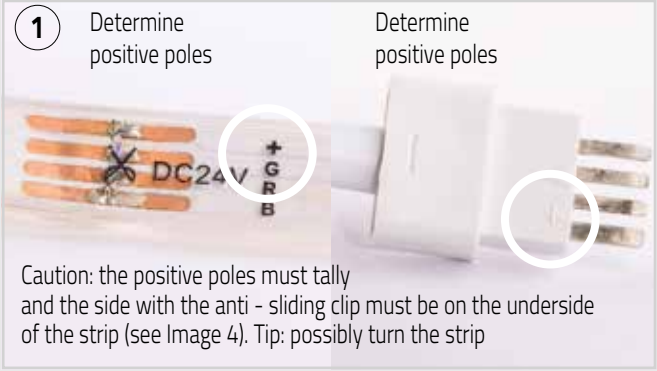


PVC profile
2 metres: Article no. 68338



Installation VARDAflex Outdoor

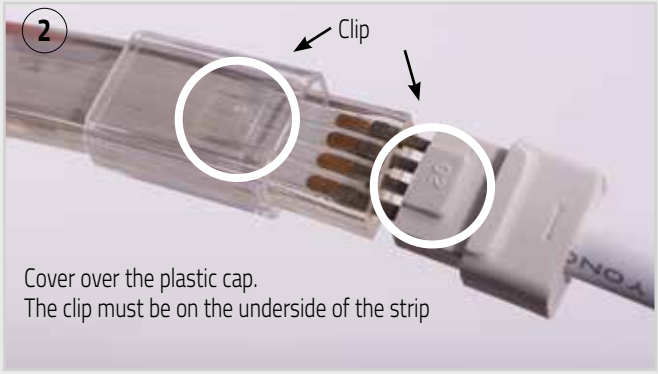
1 Determine positive poles



Determine positive poles

Caution: the positive poles must tally and the side with the anti - sliding clip must be on the underside of the strip (see Image 4). Tip: possibly turn the strip

2



Cover over the plastic cap.
The clip must be on the underside of the strip

3 Fully slide in the attachment plug under the wafer



4 Fit the anti - sliding clip - the barbed hooks grIPinto the strip and stop any slipping



5 Seal the plug junction with silicone SIIPover the plastic cap and lock



6 Seal the cap underside with silicone



7 Project the shrink sleeve on both sides when positioning it



8 Following a function test, use a hot - air gun to fuse the shrink sleeve



9 Seal shrink sleeve at the cable / at the end with silicone



10 Finished



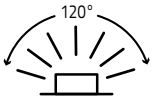


VARDAFLEX Nano Double IP66

Flexible LED strip for indoor and outdoor use, with self-adhesive back, single-colour, IP66

- 19.2 W/m: not cuttable
- LED spacing: 8.33 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- CRI 80
- scope of delivery: 5 metre roll, 1 metre roll or 0,5 metre roll including plug and socket and IP-cover
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not operate strip without aluminium profile and adequate ventilation**

IP66 Parallel RoHS REACH UV



Energy efficiency class A

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	5	10	2	120	1428	74.38	24	0.8	19.2	81555
3000 K	1	10	2	120	1428	74.38	24	0.8	19.2	81550
3000 K	0.5	10	2	120	1428	74.38	24	0.8	19.2	81551

CUSTOMIZED LENGTH AND TYPEE ON REQUEST

Required accessories

LED power supply
(see overview from page 414)



All aluminium profiles
upwards of 10 mm
(see overview on page 368/369)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview on page 442)



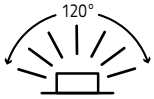


VARDAFLEX Side Mini IP67

Flexible LED strip for indoor and outdoor use, with side light exit, in silicone sleeve, single-colour, IP67

- 88980-83: 9.6 W/m: cuttable every 25 mm or 3 LEDs
  88954: 7.2 W/m: cuttable every 25 mm or 3 LEDs
  88915: 4.8 W/m: cuttable every 50 mm or 3 LEDs
- LED spacing: 8 mm, Article no. 88915: 16 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- CRI 70 (88954 and 88915)
- scope of delivery: 5 metre roll, 5 in-feeder connector, 2 end caps, 2 in-feeder caps, 1 connecting sleeve, 1 direct connector, 30 holders, 1 silicone gel tube
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP67 Parallel RoHS REACH UV resistant



LED colour: W / WW
Energy efficiency class A

LED colour: green
Energy efficiency class B

LED colour: red / yellow / blue
Energy efficiency class E

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
red	5	7	2	120	31.20	3.25	12	0.8	9.6	88980
yellow	5	7	2	120	34.80	3.63	12	0.8	9.6	88981
blue	5	7	2	120	57.60	6.00	12	0.8	9.6	88982
green	5	7	2	120	256.80	26.75	12	0.8	9.6	88983
6500 K	5	11	2.5	120	561.60	78.00	12	0.6	7.2	88954
3500 K	5	9	3.5	60	235.80	49.13	12	0.4	4.8	88915

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

Required accessories

LED power supply
(see overview from page 414)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview from page 442)



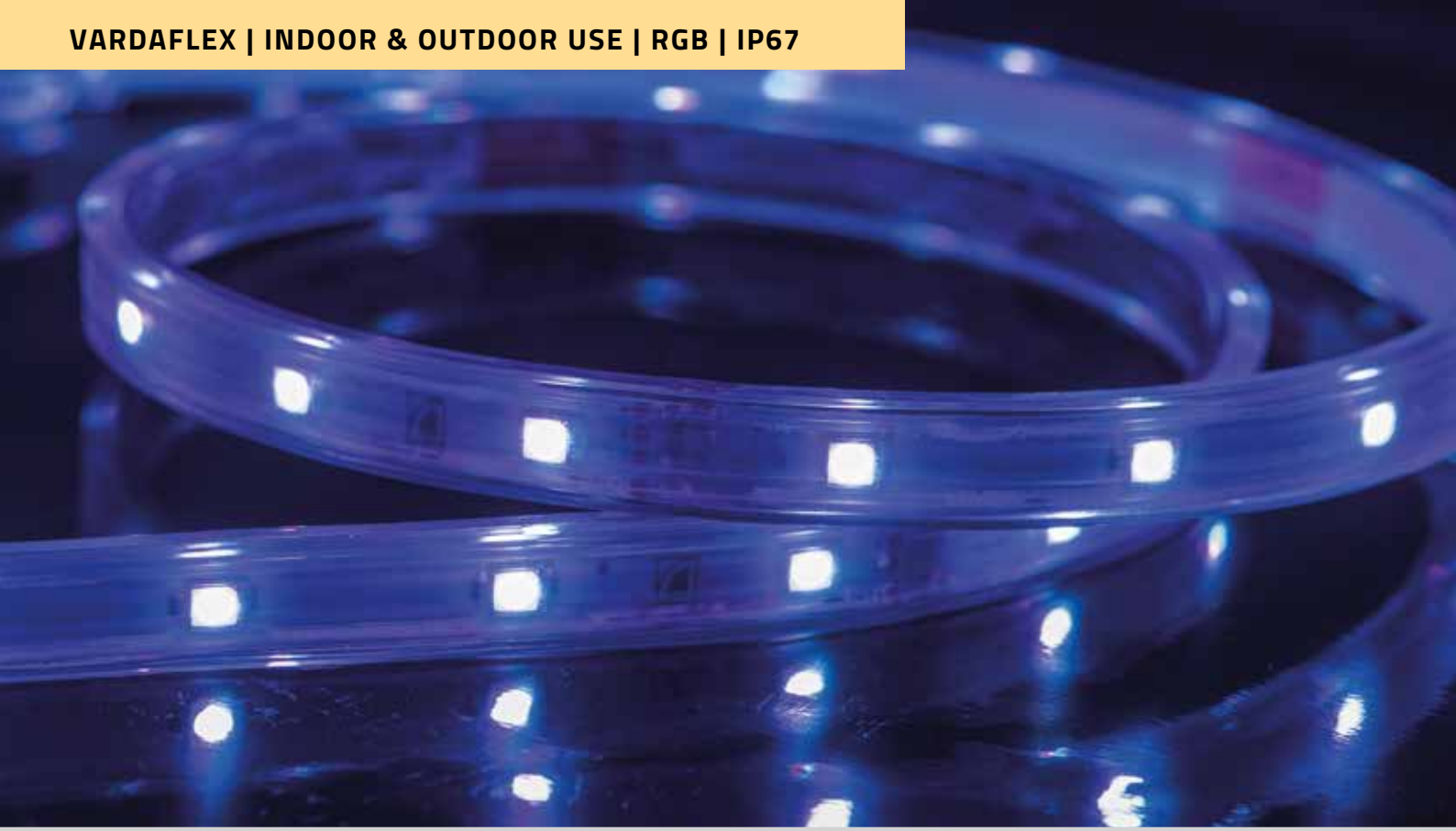
Flex connector
Article no. 88596

end cap
Article no. 88989

in-feeder caps
Article no. 88988

CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml
or Article no. 88670, 5 ml

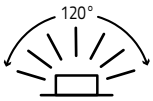


VARDAFLEX Outdoor RGB

Flexible LED strip for indoor and outdoor use, sealed in PVC, transparent, not UV - resistant, IP67

- 6 W/m: cuttable every 200 mm or 6 LEDs
- LED spacing: 33.2 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 30 metres - (feed-in both sides upwards of 15 metres) feed in anew for longer lengths
- scope of delivery: 10, 20 or 30 metre roll, with in-feeder connectors provided at each end (10 m variant has an in-feeder connector and an end cap)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

CE IP67 Parallel RoHS REACH UV resistant



Energy efficiency class B

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	10	15.5	6	30	140	23.33	24	0.25	6	86706
RGB	20	15.5	6	30	140	23.33	24	0.25	6	86716
RGB	30	15.5	6	30	140	23.33	24	0.25	6	86726

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**





86796



86798

FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor RGB FC01 30 cm IP65	86790	FC02 30 cm (with a two-sided in-feed) IP65	86791
End cap Outdoor RGB IP65			86792
In-feeder unit Outdoor RGB FC01 30 cm IP67	86796	FC02 30 cm (with a two-sided in-feed) IP67	86797
End cap Outdoor RGB IP67			86798
Shrink sleeve Outdoor			86992
Silicone, neutral cross - linked, 20 ml tube			86993
Silicone, neutral cross - linked, 310 ml tube			89999
Fastening clip with screws			86793
Direct connector Outdoor RGB			86794
Flex connector 30 cm			86795
Aluminium profile VARDAflex Outdoor, width 17.5 mm, height 10 mm		Length 2 metres	68322
Plastic profile white, width 17 mm, height 8.8 mm		Length 2 metres	68328
Sample case Outdoor			10088

Accessories and installation instructions on page 316/317

Required accessories

LED power supply
(see overview from page 414)



RGB-Controller
Article no. 80462
(see overview on page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Repeater
Article no. 80491, 88510
(from page 488)



Touchpanels page 457, 467 and from page 480



Profiles
Outdoor 2 metres
(see on the left)



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!

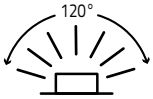


VARDAFLEX RGB / RGB Double IP68

Flexible LED strip for indoor and outdoor use, in silicone sleeve, IP68

- RGB 12 Volt: 7.2 W/m: cuttable every 100 mm or 3 LEDs
- RGB Double 12 Volt: 14.4 W/m: alle 50 mm or 3 LEDs
- RGB Double 24 Volt: 14.4 W/m: alle 100 mm or 6 LEDs
- LED spacing: RGB 33 mm
RGB Double 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres (RGB Double: 8 metres) - feed in anew for longer lengths
- scope of delivery: 5 metre roll, 5 in-feeder connector, 1 direct connector, 1 connecting sleeve, 30 holders, 2 end caps, 2 in-feeder caps
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP68 Parallel RoHS REACH UV



Energy efficiency class B

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	13	4	30	196	27.21	12	0.6	7.2	88566
RGB Double	5	13	4	60	366	25.42	12	1.2	14.4	88549
RGB Double	5	13	4	60	366	25.42	24	0.6	14.4	86549





FITTING ACCESSORIES

In-feeder	Accessories	Accessories
		
Direct connector	**Direct connector Profi**	**Plastic profile**
		

Accessories RGB	Article no.
In-feeder connector RGB	88537
Direct connector RGB	88539
Holders for strips RGB	88568
Silicone - In-feeder cap RGB	88669
Connecting sleeve RGB	88672
Silicone gel tube, neutral cross - linked	88670
Silicone, neutral cross - linked, 310 ml tube	89999
Direct connector RGB Profi	86539
Plastic profile 2 metres (for indoor use)	68309
PMMA profile, 2 metres (for indoor and outdoor use)	68307

Required accessories

LED power supply
(see overview from page 414)



RGB-Controller z.B. 80462
(see overview on page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Repeater
Article no. 80491, 88510
(from page 488)



Touchpanels page 457, 467 and from page 480



Our suggestion
Plastic profile 68307



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!

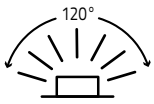


VARDAFLEX Outdoor RGB Double

Flexible LED strip for indoor and outdoor use, sealed in PVC, transparent, IP67, not UV - resistant

- 12 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 20 metres - (feed-in both sides upwards of 10 metres) feed in anew for longer lengths
- scope of delivery: 10 or 20 metre roll, with in-feeder connectors provided at each end (10 m variant has an in-feeder connector and an end cap)
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP67 Parallel RoHS REACH UV resistant



Energy efficiency class B

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	10	15.5	6	60	280	23.33	24	0.5	12	86736
RGB	20	15.5	6	60	280	23.33	24	0.5	12	86746





86796



86798

FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor RGB FC01 30 cm IP65	86790	FC02 30 cm (with a two-sided in-feed) IP65	86791
End cap Outdoor RGB IP65			86792
In-feeder unit Outdoor RGB FC01 30 cm IP67	86796	FC02 30 cm (with a two-sided in-feed) IP67	86797
End cap Outdoor RGB IP67			86798
Shrink sleeve Outdoor			86992
Silicone, neutral cross - linked, 20 ml tube			86993
Silicone, neutral cross - linked, 310 ml tube			89999
Fastening clip with screws			86793
Direct connector Outdoor RGB			86794
Flex connector 30 cm			86795
Aluminium profile VARDAflex Outdoor, width 17.5 mm, height 10 mm		Length 2 metres	68322
Plastic profile white, width 17 mm, height 8.8 mm		Length 2 metres	68328
Sample case Outdoor			10088

Accessories and installation instructions on page 228 / 229

Required accessories

LED power supply
(see overview from page 414)



RGB-Controller
Article no. 80462
(see overview on page 442)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Repeater
Article no. 80491, 88510
(from page 488)



Touchpanels page 457, 467 and from page 480



Profiles
Outdoor 2 metres
(see on the left)



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!

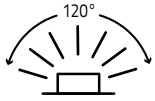


VARDAFLEX Nano Double RGB IP66

Flexible LED strip for indoor and outdoor use, with self-adhesive back, RGB, IP66

- 14.4 W/m: not cuttable
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- scope of delivery: 5 metre roll, 1 metre roll or 0,5 metre roll, including plug and socket and IP-cover
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP66 Parallel RoHS REACH UV resistant



Energy efficiency class B

ORDERING INFORMATION

Colour	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	5	10	2	60	262	18.19	24	0.6	14.4	81576
RGB	1	10	2	60	262	18.19	24	0.6	14.4	81586
RGB	0.5	10	2	60	262	18.19	24	0.6	14.4	81596

CUSTOMIZED LENGTH AND TYPE ON REQUEST



Squashcenter Achim

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

RGB-Controller
Article no. 80462
(see overview on page 442)



Optional accessories

Repeater
Article no. 80491
(from page 488)



Touchpanels page 457, 467
and from page 480



All aluminium profiles
upwards of 10 mm
(see overview on page
368/369)



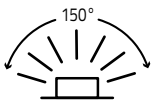


VARDAFLEX Outdoor RGB Intelligence Thirty

Flexible LED strip for indoor and outdoor use, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, transparent, IP65

- 5 W/m: cuttable every 33,3 mm or every LED
- LED spacing: 33.3 mm
- beam angle: 150°
- easy installation due to solder-free connectors
- maximum length per connection: 2 metres - feed in anew for longer lengths
- bending diameter: 50 mm
- scope of delivery: 2 metre roll, with in-feed connectors and end cap
- programmable on DMX basis with decoder Article no. 89600
- lifespan L70: ≥ 36,000 hours

IP65 Parallel RoHS REACH UV resistant



Energy efficiency class B

ORDERING INFORMATION

Colour	Pixel / metres	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	30	2	15.5	6	30	112	22.40	5	1	5	86756

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**





FITTING ACCESSORIES

Type		Article no.
Silicone, neutral cross - linked, 20 ml tube		86993
Silicone, neutral cross - linked, 310 ml tube		89999
Fastening clip with screws		86793
Aluminium profile VARDAflex Outdoor, width 17.5 mm, height 10 mm	Length 2 metres	68322
Plastic profile white, width 17 mm, height 8.8 mm	Length 2 metres	68328
In-feeder unit Outdoor RGB Intelligence FC01 30 cm IP67		86660
In-feeder unit Outdoor RGB Intelligence FC02 30 cm IP67		86661
End cap Outdoor RGB Intelligence IP67		86662

Accessories and installation instructions on page 316/317

Required accessories

LED power supply
(Article no. 87400
page 425)



DMX-SPI Decor
Article no. 89600
(see page 479)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Required accessories
if no DMX control available

Touchpanel Article no. 88458
(page 483)



DMX-digital wire
Article no. 89990

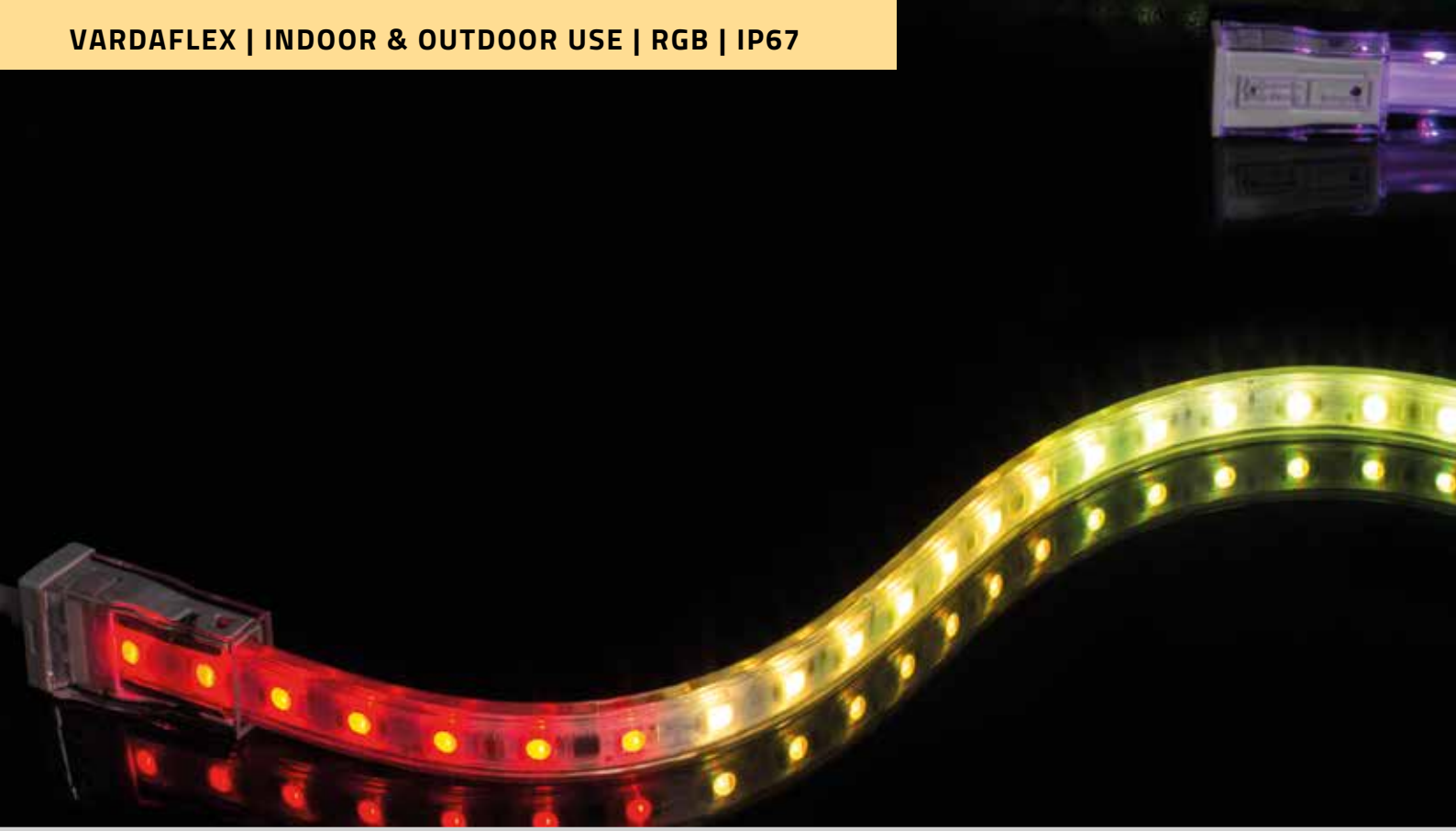


Optional accessories

Profiles
2 metres (see on the left)



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!



VARDAFLEX Outdoor RGB Intelligence Eight

Flexible LED strip for indoor and outdoor use, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, transparent, IP67

- 12 W/m: cuttable every 125 mm or 7 LEDs
- LED spacing: 17.8 mm
- beam angle: 150°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- bending diameter: 50 mm
- scope of delivery: 10 metre roll, with in-feed connectors and end cap
- programmable on DMX basis with decoder Article no. 89600
- lifespan L70: ≥ 36,000 hours

IP67 Parallel RoHS REACH UV resistant 150° Energy efficiency class B

ORDERING INFORMATION

Colour	Pixel / metres	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	8	10	15.5	6	56	369	30.75	24	0.5	12	86757

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**





FITTING ACCESSORIES

Type		Article no.
Silicone, neutral cross - linked, 20 ml tube		86993
Silicone, neutral cross - linked, 310 ml tube		89999
Fastening clip with screws		86793
Aluminium profile VARDAflex Outdoor, width 17.5 mm, height 10 mm	Length 2 metres	68322
Plastic profile white, width 17 mm, height 8.8 mm	Length 2 metres	68328
In-feeder unit Outdoor RGB Intelligence FC01 30cm IP67		86660
In-feeder unit Outdoor RGB Intelligence FC02 30cm IP67		86661
End cap Outdoor RGB Intelligence IP67		86662

Accessories and installation instructions on page 316/317

Required accessories

LED power supply
(see overview from page 414)



DMX-SPI Decor
Article no. 89600
(see page 479)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Required accessories
if no DMX control available

Touchpanel Article no. 88458
(page 483)



DMX-digital wire
Article no. 89990

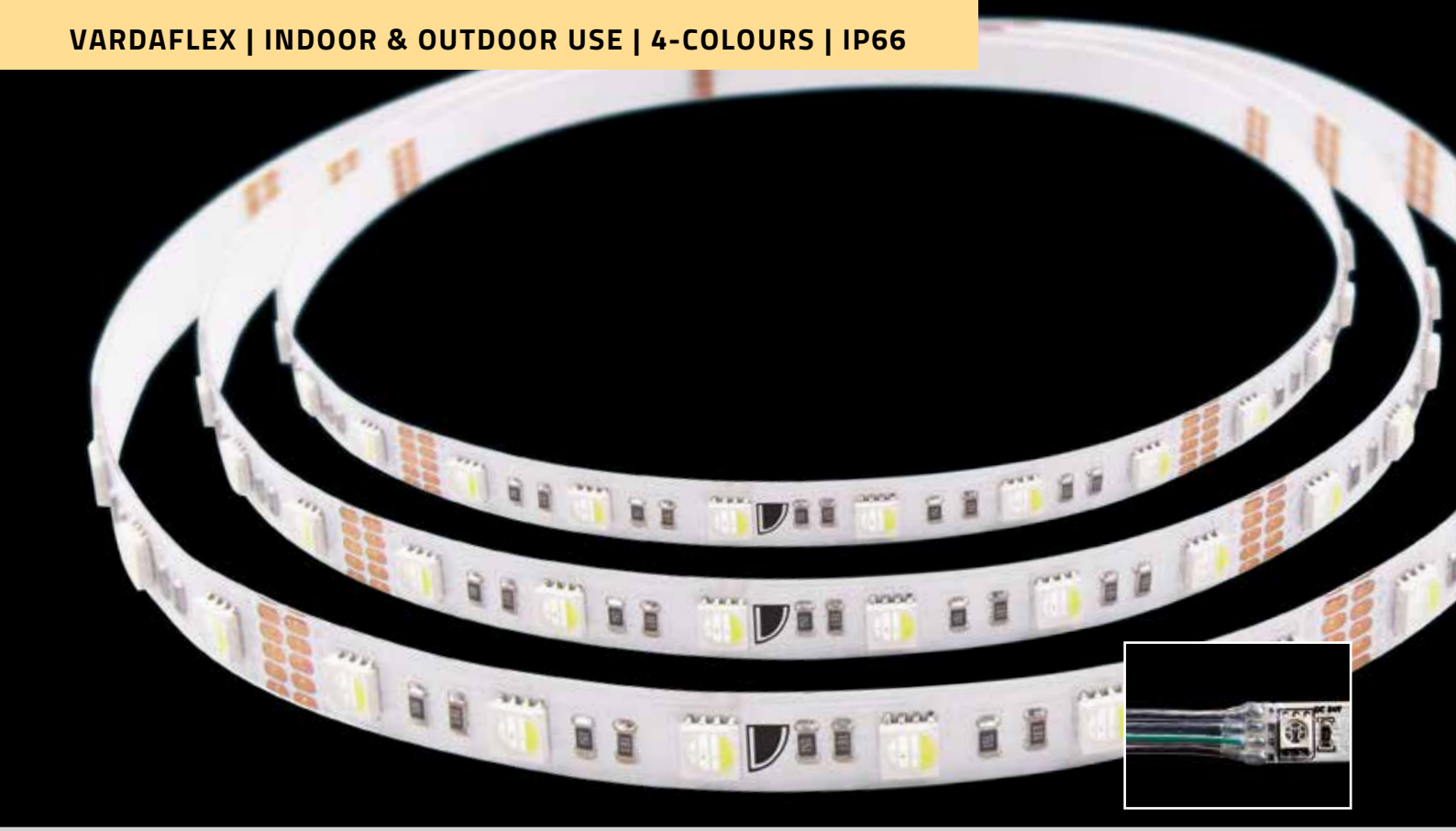


Optional accessories

Profiles
2 metres (see on the left)



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!



VARDAFLEX Nano RGBW (one chip) IP66

Flexible LED strip for indoor and outdoor use, with self-adhesive back, fitted with RGBW-Chips (in one chip), IP66

- 19.2 W/m: not cuttable
- LED spacing: 16.7 mm
- beam angle: 120°
- easy installation due to solder-free connectors
- maximum length per connection: 2 metres - feed in anew for longer lengths
- scope of delivery: 2 metre roll, including plug and socket and IP-cover
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours

IP66 Parallel RoHS REACH UV

120°

Energy efficiency class A

ORDERING INFORMATION

Type	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+WW (3000 K)	2	10	2	60	846	44.06	24	0.8	19.2	81522

CUSTOMIZED LENGTH AND TYPE ON REQUEST



Foto: zstock@fotolia.com

Required accessories

LED power supply
(see overview from page 414)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

RGB-Controller
e. g. Article no. 80462
(see overview on page 442)



Optional accessories

Touchpanels page 457, 467 and from page 480



All aluminium profiles upwards of 10 mm
(see overview on page 368/369)



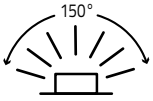


VARDAFLEX Outdoor RGBW Intelligence Eight

Flexible LED strip for indoor and outdoor use, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, fitted with RGBW-Chips (4 colours in one chip), transparent, IP67

- 15 W/m: cuttable every 125 mm or 7 LEDs
- LED spacing: 17.8 mm
- constant current (IC chip on board)
- beam angle: 150°
- easy installation due to solder-free connectors
- maximum length per connection: 5 metres - feed in anew for longer lengths
- bending diameter: 50 mm
- scope of delivery: 5 metre roll, with in-feed connectors and end cap
- programmable on DMX basis with decoder Article no. 89600
- graded and stored by binning codes
- lifespan L70: ≥ 36,000 hours
- **Caution: Do not run all colours at same time under maximum load (max 80 %)**

IP67 Parallel RoHS REACH UV resistant



Energy efficiency class B

ORDERING INFORMATION

Type	Pixel / metres	Length metres	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
Outdoor RGBW Intelligence Eight	8	5	15.5	6	56	569	37.93	24	0.625	15	86758

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**





FITTING ACCESSORIES

Type		Article no.
Silicone, neutral cross - linked, 20 ml tube		86993
Silicone, neutral cross - linked, 310 ml tube		89999
Fastening clip with screws		86793
Aluminium profile VARDAflex Outdoor, width 17.5 mm, height 10 mm	Length 2 metres	68322
Plastic profile white, width 17 mm, height 8.8 mm	Length 2 metres	68328
In-feeder unit Outdoor RGB Intelligence FC01 30 cm IP67		86660
In-feeder unit Outdoor RGB Intelligence FC02 30 cm IP67		86661
End cap Outdoor RGB Intelligence IP67		86662

Accessories and installation instructions on page 316/317

Required accessories

LED power supply
(see overview from page 414)



DMX-SPI Decor
Article no. 89600
(see page 479)



CAUTION:
Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Required accessories
if no DMX control available

Touchpanel Article no. 88458
(page 483)



DMX-digital wire
Article no. 89990



Optional accessories

Profiles
2 metres (see on the left)



CAUTION:
When processing, only use **neutral cross - linked silicone** (e.g. Article no. 89999, 310 ml)!

Fitting accessories VARDAflex Outdoor RGB and Outdoor RGB Double



In-feeder unit Outdoor RGB
front Article no. 86790
upwards of 10 metres
back Article no. 86791



End cap Outdoor RGB
Article no. 86792



Flex connector 30 cm RGB
Article no. 86795



Shrink sleeve
Article no. 86992



End cap Outdoor RGB
Article no. 86792



Fastening clip with screws
Article no. 86793



Aluminium profile
1 metres: Article no. 68320
2 metres: Article no. 68322



PVC profile
2 metres: Article no. 68328



Installation VARDAflex Outdoor RGB

1 Determine positive poles

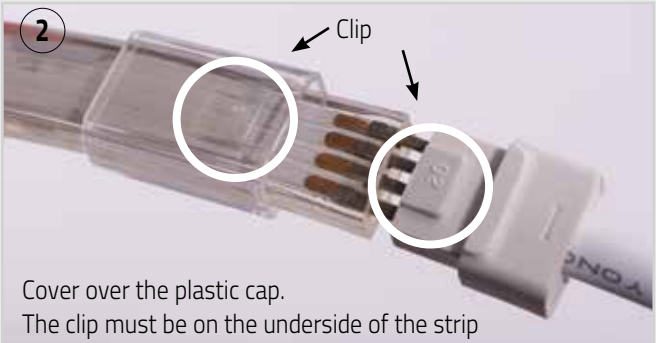


Determine positive poles



Caution: the positive poles must tally and the side with the anti-sliding clip must be on the underside of the strip (see Image 4). Tip: possibly turn the strip

2 Clip



Cover over the plastic cap.
The clip must be on the underside of the strip

3 Fully slide in the attachment plug under the wafer



4 Fit the anti-sliding clip - the barbed hooks grlp into the strip and stop any slipping



5 Seal the plug junction with silicone SIIPover the plastic cap and lock



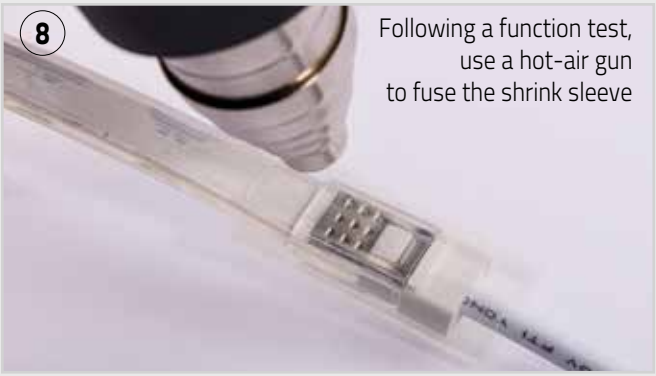
6 Seal the cap underside with silicone



7 Project the shrink sleeve on both sides when positioning it



8 Following a function test, use a hot-air gun to fuse the shrink sleeve



9 Seal shrink sleeve at the cable / at the end with silicone



10 Finished



VARDAFLEX Neon





The completely sealed LED strip for indoor and outdoor use

- salt water-resistant
- UV-resistant
- resistant to chlorine and solvents
- easy and quick to fit
- elegant and uniform lighting
- bendable
- can be lengthened (practically) endlessly

Seebrücke Niendorf

You search for the right connection?

Variation of sealed connections for customized production

		ST - straight	SU - bottom	SR - side right	SL - side left
					
ST - straight	 ST	 ST - ST	 ST - SU	 ST - SR	 ST - SL
SU - bottom	 SU	 SU - ST	 SU - SU	 SU - SR	 SU - SL
SR - side right	 SR	 SR - ST	 SR - SU	Technically not possible	 SR - SL
SL - side left	 SL	 SL - ST	 SL - SU	 SL - SR	Technically not possible

Only at Neon Top:

	MU	Z
ST SU SR SL ST - ST ST - SU ST - SR ST - SL SU - ST SU - SU SU - SR SU - SL SR - ST SR - SU Z SR - SL SL - ST SL - SU SL - SR Z		

Installation and Operating Information
VARDAflex Neon / Outdoor

Do consider the following hints to ensure that your satisfaction with this LED strip lasts:

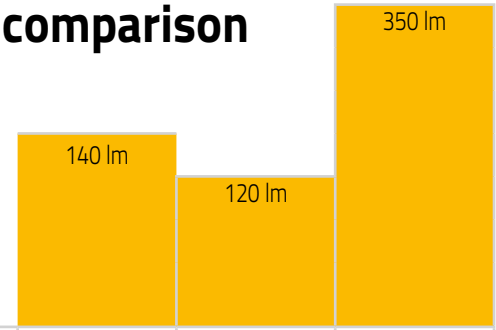
- As sensitive printed boards, LED need to be carefully installed with every precision. **Avoid any turning, pulling or bending the LED strips when unrolling or fitting them.**
- **PROCESSING TEMPERATURE: +10°C +45°C**
- Given flush mounting, then LEDs and resistors can be loaded up to I K 08. Therefore keep loading ≤ I K 08 to prevent the soldering points fracturing and the power supply being interrupted
- Cut the strips exactly at the specified severing lines.
- The following minimum lengths for a 90° curve must not be undercut:

Neon	60 mm
Neon Tube	60 mm
Neon Mini	45 mm
Neon Top	150 mm
Outdoor	30 mm
Neon Piko	50 mm
Neon SVQ	150 mm

- The voltage, rating and length of the LED strip determine which power supply unit it is to be attached to.
- As a rule, RGB controllers have a 24 V DC input and output. Connect the controller between power supply unit and LED strip.
- Relatively high amperages can arise depending on the LED strip length. Therefore in the case of long leads, employ an appropriate cable cross-section for the installation between power supply unit and strip.
- Storage temperature:-40°C to +80°C, operating temperature:-20°C to +45°C
- Never operate the LED strips when rolled up.
- Only use neutral, cross-linked silicone. (On no account use acetic silicone!)
- Note: consider binning when re-ordering!

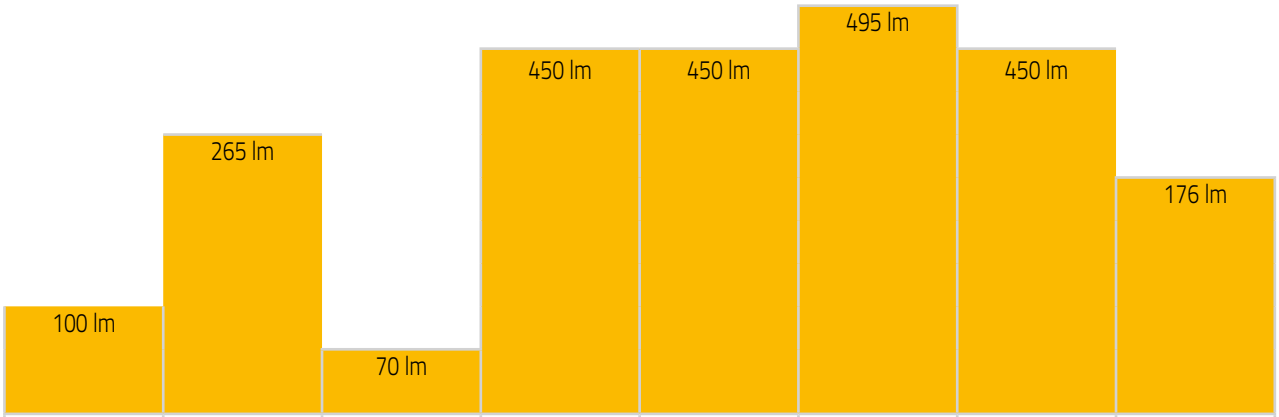

Photo: Ingrid Plebar Photography

Brightness comparison



Strip	VARDAflex Neon Piko Piko Top	VARDAflex Neon Mini	VARDAflex Neon
No. of LEDs	144 / 280	72 LED / m	60LED / m
Power	4.5 W / m	5 W / m	12 W / m
Volt	24 V	24 V	24 V
max. length metre one- and double-sided	10 / 20	15 / 30	10 / 20
Measurement - width x heights mm	10 x 10	9 x 18	11.5 x 21
Bending radius mm	50	45	60
Customized production	yes	yes	yes
Page	Page 322/324	Page 326	Page 328





VARDAflex Neon Amber	VARDAflex Neon SELECT	VARDAflex Neon RGB	VARDAflex Neon RGBW	Neon RGBW Intelligence Eight	VARDAflex Neon Top	VARDAflex Neon SVQ	VARDAflex Neon Top RGB
60 LED / m	144 LED / m	60 LED / m	60 LED / m	56 LED / m	108 LED / m	108 LED / m	72 LED / m
7.2 W / m	12 W / m	12 W / m	15 W / m	15 W / m	11W / m	12 W / m	12 W / m
24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V
10 / 20	10 / 20	10 / 20	5 / -	5 / -	15 / -	15 / -	5 / -
11.5 x 21	11.5 x 21	11.5 x 21	11.5 x 21	11.5 x 21	16 x 17	16 x 17	16 x 17
60	60	60	60	60	150	150	150
yes	yes	yes	yes	yes	yes	yes	yes
Page 328	on request	Page 332	Page 334	Page 338	Page 348	Page 346	Page 350



VARDAFLEX Neon Piko

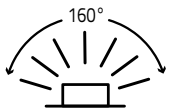
Customized production

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP66

- 4,5 W/m: cuttable every 83.3 mm or 12 LEDs
- LED spacing: 6.9 mm
- beam angle: 160°
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 100 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours

CE IP66 Parallel RoHS REACH UV resistant





Energy efficiency class B

ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	166.6 - 20000	10	10	144	140	31.11	24	0.19	4.5	S86613
3000 K	166.6 - 20000	10	10	144	140	31.11	24	0.19	4.5	S86615

TYPE OF CONNECTION

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 1 metre				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 3 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 5 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 10 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20

Optional accessories

Our suggestion:
Aluminium profile (68373)
white



Our suggestion:
Aluminium profile
(68375)



Our suggestion:
PVC profile (68378)

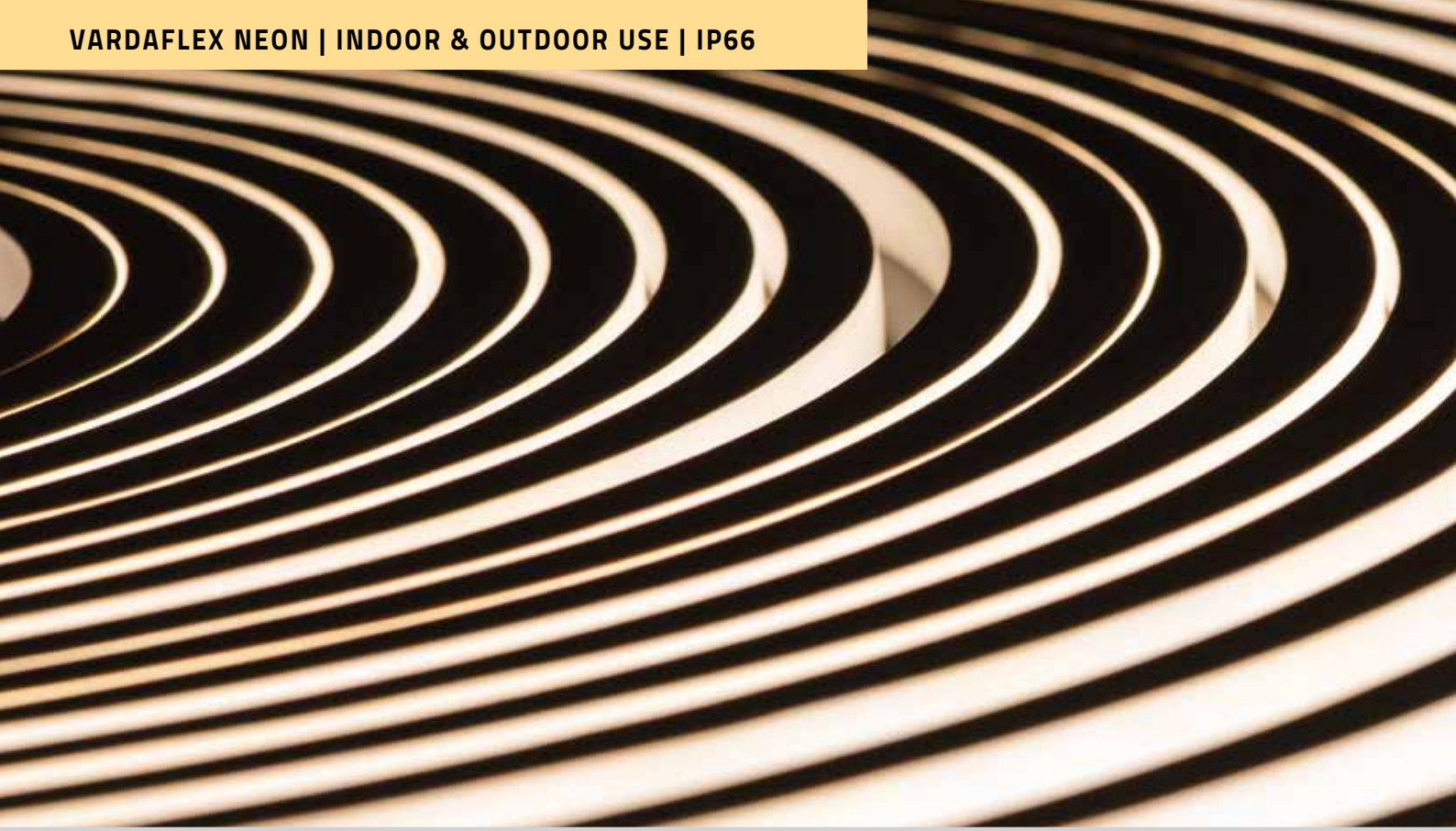


CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon Piko mm + metres
Segment 1	83.3 mm (+X metres)
Segment 2	166.6 mm (+X metres)
Segment 3	249.9 mm (+X metres)
Segment 4	333.2 mm (+X metres)
Segment 5	416.5 mm (+X metres)
Segment 6	499.8 mm (+X metres)
Segment 7	583.1 mm (+X metres)
Segment 8	666.4 mm (+X metres)
Segment 9	749.7 mm (+X metres)
Segment 10	833.0 mm (+X metres)
Segment 11	916.3 mm (+X metres)
	one side min. 166.6 mm

ORDERING INFORMATION

1. **Calculation of length:**
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres.
   E.G.: you need 3.70 metres.
   Than the ordering length would be 3.6664 metres.
2. **Choose of connection**
   There are 4 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip. Possibilities please see table above.
3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86613 SU - ST - 24,416.5 mm



VARDAFLEX Neon Piko Top

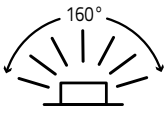
Customized production

Flexible LED strip for indoor and outdoor use, vertical bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP66

- 4,5 W/m: cuttable every 83.3 mm or 12 LEDs
- LED spacing: 6.9 mm
- beam angle: 160°
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 100 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours

IP66 Parallel RoHS REACH UV resistant





Energy efficiency class B

ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
2700 K	166.6 - 20000	10	10	144	140	31.11	24	0.19	4.5	S86633
3000 K	166.6 - 20000	10	10	144	140	31.11	24	0.19	4.5	S86635

TYPE OF CONNECTION

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 1 metre				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 3 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 5 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 10 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20

Optional accessories

Our suggestion:
Aluminium profile (68373)
white



Our suggestion:
Aluminium profile
(68375)



Our suggestion:
PVC profile (68378)



CALCULATION OF CUSTOMIZED LENGTH

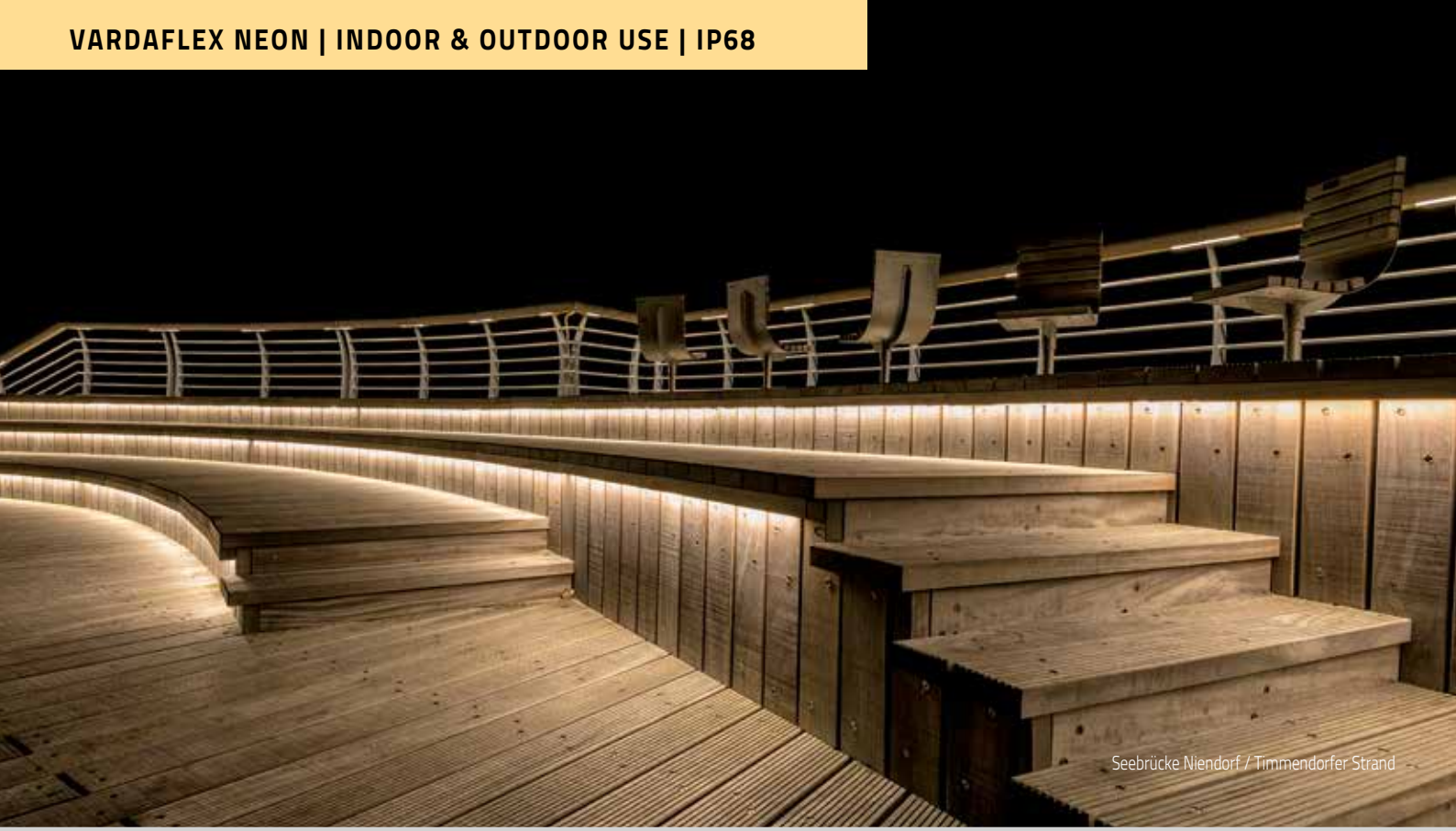
Segments	Neon Piko Top mm + metres
Segment 1	83.3 mm (+X metres)
Segment 2	166.6 mm (+X metres)
Segment 3	249.9 mm (+X metres)
Segment 4	333.2 mm (+X metres)
Segment 5	416.5 mm (+X metres)
Segment 6	499.8 mm (+X metres)
Segment 7	583.1 mm (+X metres)
Segment 8	666.4 mm (+X metres)
Segment 9	749.7 mm (+X metres)
Segment 10	833.0 mm (+X metres)
Segment 11	916.3 mm (+X metres)
	one side min. 166.6 mm

ORDERING INFORMATION

1. **Calculation of length:**
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres.
   E.G.: you need 3.70 metres.
   Than the ordering length would be 3.6664 metres.

2. **Choose of connection**
   There are 4 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip. Possibilities please see table above.

3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86633 SU - ST 24,416.5 mm + 300 mm


Seebrücke Niendorf / Timmendorfer Strand

VARDAFLEX Neon Mini

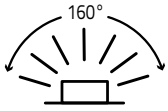
Customized production

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP68

- 5 W/m (red 3.5 W/m)
- cuttable every 83 mm or 6 LEDs (red: cuttable every 125 mm or 9 LEDs)
- LED spacing: 13.9 mm
- beam angle: 160°
- easy installation due to solder-free connectors
- maximum length per connection: 15 Meter - maximum length by feed-in on both sides: 30 metres - feed in anew for longer lengths
- bending diameter: 90 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- other white tones and colours available on request (e. g. 4500 K, 5700 K, 6000 K, green, amber)

CE IP68 Parallel RoHS REACH UV resistant





ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	EEC	Article no.
2700 K	166.6 - 30000	9	18	72	120	24.00	24	0.21	5	B	S86233
3000 K	166.6 - 30000	9	18	72	120	24.00	24	0.21	5	B	S86239
3500 K	166.6 - 30000	9	18	72	120	24.00	24	0.21	5	B	S86235
red	250 - 30000	9	18	72	60	12.00	24	0.15	3.5	E	S86230
blue	166.6 - 30000	9	18	72	75	15.00	24	0.21	5	E	S86232

TYPE OF CONNECTION

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 0.3 metres				
one connection	max. 15	max. 15	max. 15	max. 15
two connections	max. 30	max. 30	max. 30	max. 30
max. length at length of wire 1 metre				
one connection	max. 15	max. 15	max. 15	max. 15
two connections	max. 30	max. 30	max. 30	max. 30
max. length at length of wire 3 metres				
one connection	max. 15	max. 15	max. 15	max. 15
two connections	max. 30	max. 30	max. 30	max. 30
max. length at length of wire 5 metres				
one connection	max. 15	max. 15	max. 15	max. 15
two connections	max. 30	max. 30	max. 30	max. 30
max. length at length of wire 10 metres				
one connection	max. 15	max. 15	max. 15	max. 15
two connections	max. 30	max. 30	max. 30	max. 30

FITTING ACCESSORIES

Type	Article no.
IP68 in-feeder Neon Mini PVC FC01 30 cm, pressed	86495
IP68 in-feeder Neon Mini PVC FC02 30 cm, pressed	86496
IP68 end cap Neon Mini PVC, pressed	86497
Aluminium profile, length 2 metres, white (for indoor use)	68354
Aluminium profile with self lock, length 2 metres	68355
PVC profile, length 2 metres, transparent (for indoor use)	68358

Type	Article no.
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
Sample case Outdoor	10087
Pressing tool PVC accessory	86080

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon Mini mm + metres	Neon Mini red mm + metres
Segment 1	83.3 mm (+X metres)	125 mm (+X metres)
Segment 2	166.6 mm (+X metres)	250 mm (+X metres)
Segment 3	249.9 mm (+X metres)	375 mm (+X metres)
Segment 4	333.2 mm (+X metres)	500 mm (+X metres)
Segment 5	416.5 mm (+X metres)	625 mm (+X metres)
Segment 6	499.8 mm (+X metres)	750 mm (+X metres)
Segment 7	583.1 mm (+X metres)	875 mm (+X metres)
Segment 8	666.4 mm (+X metres)	
Segment 9	749.7 mm (+X metres)	
Segment 10	833.0 mm (+X metres)	
Segment 11	916.3 mm (+X metres)	
	one side min. 166.6 mm	one side min. 250 mm

ORDERING INFORMATION

1. **Calculation of length:**
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres.
   E.G.: you need 3.70 metres.
   Than the ordering length would be 3.6664 metres.

2. **Choose of connection**
   There are 4 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip. Possibilities please see table above.

3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86233 SU - ST 3,666.4 mm + 300 mm



VARDAFLEX Neon

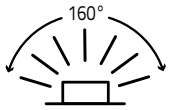
Customized production

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP68

- 12 W/m (amber 7.2 W/m)
- cuttable every 100 mm or 6 LEDs (amber: cuttable every 167 mm or 10 LEDs)
- LED spacing: 16.67 mm
- beam angle: 160°
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 120 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- other white tones and colours available on request (e. g. 2100 K, 2400 K, 3500 K, 4000 K, 4500 K, 5000 K, 6500 K, red, green, orange)

CE IP68 Parallel RoHS REACH UV resistant





ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	EEC	Article no.
5700 K	200 - 20000	11.5	21	60	395	32.92	24	0.5	12	B	S86034
3000 K	200 - 20000	11.5	21	60	350	29.17	24	0.5	12	B	S86035
2700 K	200 - 20000	11.5	21	60	320	26.67	24	0.5	12	B	S86033
2700 K - CRI 80	200 - 20000	11.5	21	60	350	29.17	24	0.5	12	B	S86037
blue	200 - 20000	11.5	21	60	44	3.67	24	0.5	12	E	S86032
amber	200 - 20000	11.5	21	60	100	13.89	24	0.3	7.2	E	S86031

TYPE OF CONNECTION

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 0.3 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 1 metre				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 3 metres				
one connection	max. 9	max. 9	max. 9	max. 9
two connections	max. 18	max. 18	max. 18	max. 18
max. length at length of wire 5 metres				
one connection	max. 8	max. 8	max. 8	max. 8
two connections	max. 16	max. 16	max. 16	max. 16
max. length at length of wire 10 metres				
one connection	max. 6	max. 6	max. 6	max. 6
two connections	max. 12	max. 12	max. 12	max. 12

Find further accessories on the next page.

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon mm + metres
Segment 1	100 mm (+X metres)
Segment 2	200 mm (+X metres)
Segment 3	300 mm (+X metres)
Segment 4	400 mm (+X metres)
Segment 5	500 mm (+X metres)
Segment 6	600 mm (+X metres)
Segment 7	700 mm (+X metres)
Segment 8	800 mm (+X metres)
Segment 9	900 mm (+X metres)
	one side min. 200 mm

ORDERING INFORMATION

1. **Calculation of length:**
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres.
   E.G.: you need 3.70 metres.
   Than the ordering length would be 3.70 metres.

2. **Choose of connection**
   There are 4 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip. Possibilities please see table above.

3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86034 SU - ST 3,700 mm + 300 mm

VARDAFLEX Neon + Neon Color

Required Accessories

LED power supply
(see overview on page 414)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer
Article no. 80474
(see overview from page 442)



Our suggestion:
Aluminium profile (68314)



PVC profile NEON
2 metres (68317)



PVC profile NEON
2 metres (68318)



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml

FITTING ACCESSORIES

Type	Article no.
IP68 in-feeder Neon FC01 30 cm, screw-type	86095
IP68 in-feeder Neon FC02 30 cm (with 2-sided in-feed), screw-type	86096
IP68 end cap Neon, screw-type	86097
IP65 direct connector Neon, pressed	86082
IP68 in-feeder Neon PVC FC01, pressed	86295
IP68 in-feeder Neon PVC FC02, pressed	86296
IP68 end cap Neon PVC, pressed	86297
IP65 central in-feeder Neon, pressed	86089
IP65 in-feeder Neon FC01 30 cm, pluggable	86098
IP65 in-feeder Neon FC02 30 cm (with 2-sided in-feed), pluggable	86088
IP65 end cap Neon, pluggable	86099
IP65 flex connector - 30 cm, pluggable	86288
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminium profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminium profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimeter	68319
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
Sample case Outdoor	10087
Pressing tool direct connector/central in-feeder /PVC accessory	86080

Article no. 86099



Article no. 86288



Article no. 86297





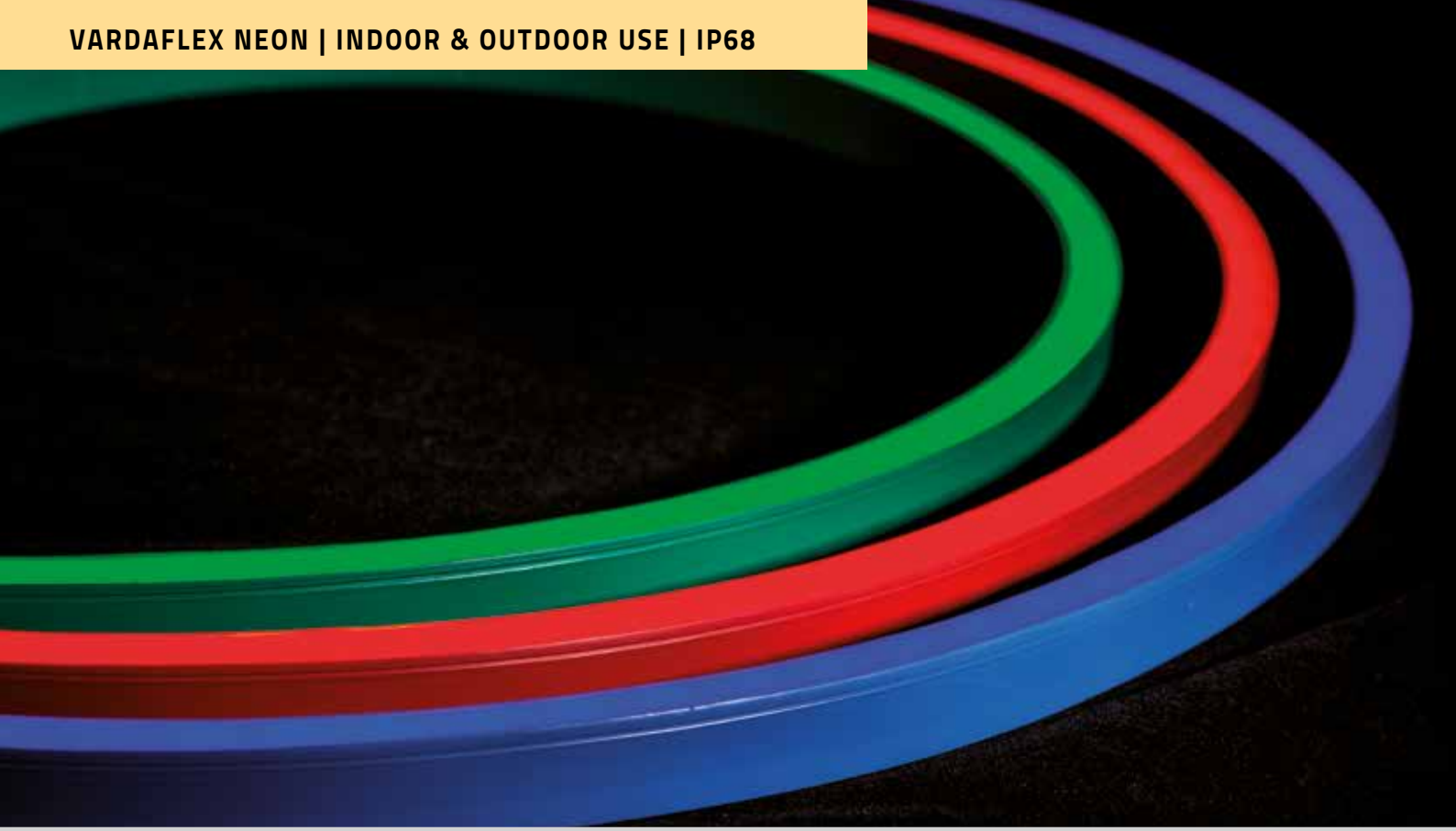


Article no. 86080

Article no. 10087



Refer to page 354/355 for fitting instructions.



VARDAFLEX Neon Color

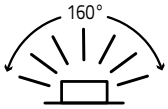
from stock
(pressed version)

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP68

- 10,6 W/m (red: 6.5 W/m)
- cuttable every 100 mm or 6 LEDs
  red: cuttable every 167 mm or 10 LEDs
- LED spacing: 16.67 mm
- beam angle: 160°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres -
  maximum length by feed-in on both sides: 20 metres -
  feed in anew for longer lengths
- bending diameter: 120 mm
- scope of delivery: 5 metre roll, with in-feeder connectors and end cap
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- customized lengths with sealed connectors on request
- can be fed-in anew-thus installable practically endlessly

CE IP68 Parallel RoHS REACH UV resistant





Energy efficiency class **E**

ORDERING INFORMATION

Colour	Length Meter	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
red	5	11.5	21	60	65	10.00	24	0.27	6.5	86260
blue	5	11.5	21	60	8	0.75	24	0.44	10.6	86262
green	5	11.5	21	60	75	7.08	24	0.44	10.6	86267

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING PROFILES AND **ACTIVATING DEVICES**



AIDA Prima

VARDAFLEX Neon RGB

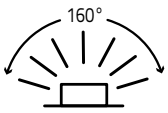
Customized production

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, RGB, IP68

- 12 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 160°
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 120 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours

IP68 Parallel RoHS REACH UV resistant





Energy efficiency class E

ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	200 - 20000	11.5	21	60	70	5.00	24	0.5	12	S86036

TYPE OF CONNECTION

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 0.3 metres				
one connection	max. 7	max. 7	max. 7	max. 7
two connections	max. 14	max. 14	max. 14	max. 14
max. length at length of wire 1 metre				
one connection	max. 7	max. 7	max. 7	max. 7
two connections	max. 14	max. 14	max. 14	max. 14
max. length at length of wire 3 metres				
one connection	max. 7	max. 7	max. 7	max. 7
two connections	max. 14	max. 14	max. 14	max. 14
max. length at length of wire 5 metres				
one connection	max. 6	max. 6	max. 6	max. 6
two connections	max. 12	max. 12	max. 12	max. 12
max. length at length of wire 10 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	max. 10	max. 10	max. 10	max. 10

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon mm + metres
Segment 1	100 mm (+X metres)
Segment 2	200 mm (+X metres)
Segment 3	300 mm (+X metres)
Segment 4	400 mm (+X metres)
Segment 5	500 mm (+X metres)
Segment 6	600 mm (+X metres)
Segment 7	700 mm (+X metres)
Segment 8	800 mm (+X metres)
Segment 9	900 mm (+X metres)
	einseitig mind. 200 mm

FITTING ACCESSORIES

Type	Article no.
IP68 in-feeder Neon RGB FC01 30 cm, screw-type	86090
IP68 in-feeder Neon RGB FC02 30 cm (with 2-sided in-feed), screw-type	86091
IP68 end cap Neon RGB, screw-type	86092
IP65 direct connector Neon RGB, pressed	86081
IP68 in-feeder Neon RGB PVC FC01, pressed	86290
IP68 in-feeder Neon RGB PVC FC02, pressed	86291
IP68 end cap Neon RGB PVC, pressed	86292
IP65 in-feeder Neon RGB FC01 30 cm, pluggable	86093
IP65 in-feeder Neon RGB FC02 30 cm (with 2-sided in-feed), pluggable	86083
IP65 end cap Neon RGB, pluggable	86094
IP65 flex connector Neon RGB - 30 cm, pluggable	86289
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminium profile ECO VARDAflex Neon, width 13,8 mm, height 22 mm, length 2 metres	68314
Aluminium profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimeter	68319
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
Sample case Outdoor	10087
Pressing tool direct connector/central in-feeder / PVC in-feeder & end cap	86080
Neon sample case	10089

Refer to page 354/355 for fitting instructions.

ORDERING INFORMATIONS

1. **Calculation of length:**
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres. E.G.: you need 3.70 metres. Than the ordering length would be 3.70 metres.

2. **Choose of connection**
   There are 4 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip. Possibilities please see table above.

3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86036 SU - ST
   3,700 mm + 300 mm

Required Accessories

LED power supply
(see overview on page 414)



RGB Controller
Article no. 80460
(see overview from page 442)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Repeater
Article no. 80491, 88510
(from page 442)



Touchpanel (from page 457)



Our suggestion: Aluminium profile (68314)

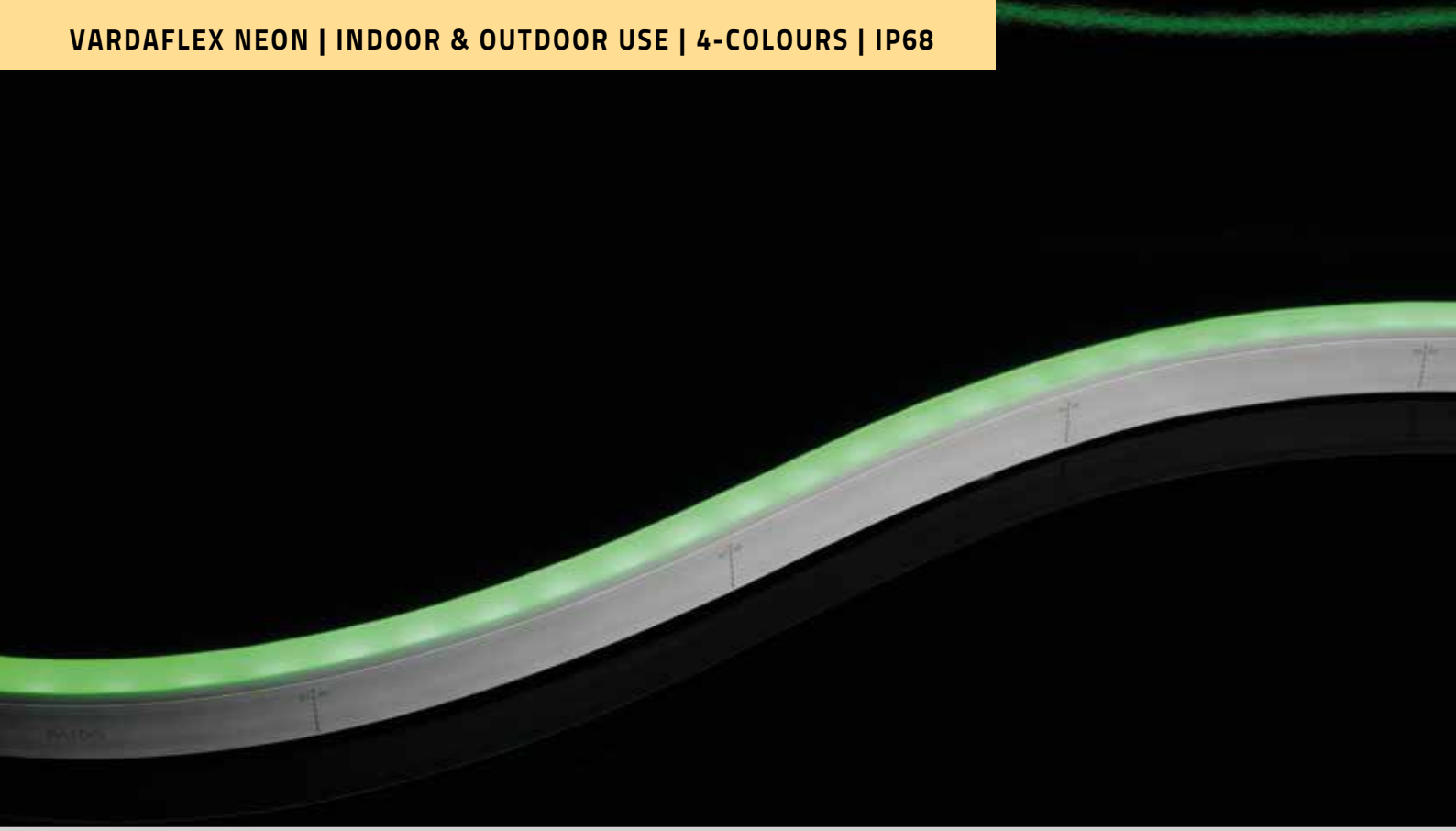


PVC profile NEON
2 metres (68318)



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon RGBW

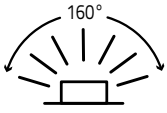
Customized production

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, 4-colours, IP68

- 15 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 160°
- easy installation due to solder-free connectors
- maximum length per connection: 5 Meter - feed in anew for longer lengths
- bending diameter: 120 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- **Attention: do not run all colours at same time under maximum load (max. 80 %)**

IP68 Parallel RoHS REACH UV resistant





Energy efficiency class B

ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB + UWW (2700 K)	200 - 5000	11.5	21	60	450	30.00	24	0.625	15	S86136
RGB + NW (4000 K)	200 - 5000	11.5	21	60	450	30.00	24	0.625	15	S86137

TYPE OF CONNECTION

Only one connection

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - S	SR - ST SR - SU SR - SL -
max. length at length of wire 0.3 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 1 metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 3 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 5 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 10 metres				
one connection	max. 2,9	max. 2,9	max. 2,9	max. 2,9
two connections	-	-	-	-

FROM STOCK

ST - IP68 injection molded connector straight



FITTING ACCESSORIES

Type	Article no.
End cap Neon RGB PVC IP68	86092
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminium profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminium profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimeter	68319

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



RGB Controller
Article no. 80462
(see overview from page 442)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Repeater
Article no. 80491, 88510
(from page 442)



Touchpanel (from page 457)



Our suggestion: Aluminium profile (68314)

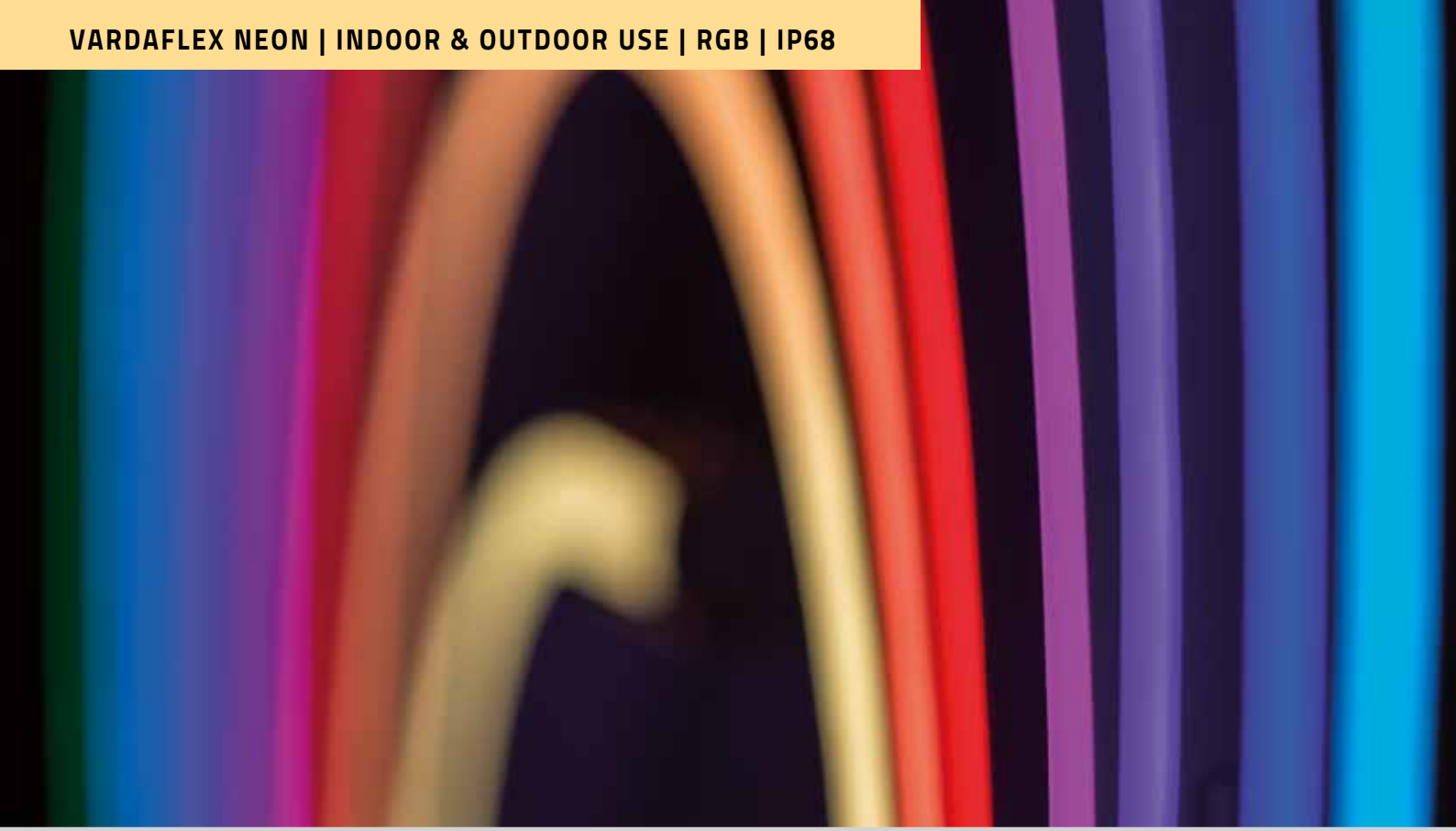


PVC profile NEON
2 metres (68318)



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon RGB Intelligence

Customized production

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, RGB, IP68

- 12 W/m
- S86106: cuttable every 125 mm or 7 LEDs
  S86116: cuttable every 500 mm or 28 LEDs
- LED spacing: 17.86 mm
- beam angle: 160°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - feed in anew for longer lengths
- bending diameter: 120 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- programmable on DMX basis with decoder Article No. 89600

IP68 Parallel RoHS REACH UV resistant 160° Energy efficiency class E

ORDERING INFORMATION

Type	Pixel m	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
Neon RGB Intelligence Eight	8	250-10000	11.5	21	56	107	8.92	24	0.5	12	S86106
Neon RGB Intelligence Two	2	500-10000	11.5	21	56	107	8.92	24	0.5	12	S86116

TYPE OF CONNECTION

Only one connection

Type of connection			
connection	**ST - straight**	**SU - bottom**	**SL - side left**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL	SU - ST SU - SU SU - SL	SL - ST SL - SU -
max. length at length of wire 0.3 metres			
one connection	max. 7	max. 7	max. 7
two connections	-	-	-
max. length at length of wire 1 metre			
one connection	max. 7	max. 7	max. 7
two connections	-	-	-
max. length at length of wire 3 metres			
one connection	max. 7	max. 7	max. 7
two connections	-	-	-
max. length at length of wire 5 metres			
one connection	max. 6	max. 6	max. 6
two connections	-	-	-
max. length at length of wire 10 metres			
one connection	max. 5	max. 5	max. 5
two connections	-	-	-

ORDERING INFORMATION

1. **Calculation of length:**
   Calculation of length:
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres.
   E.G.: you need 3.70 metres.
   Than the ordering length would be 3.625 metres.
2. **Choose of connection**
   There are 4 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip (max. 10 metre). Possibilities please see table above.
3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86106 SU - ST 3,625 mm + 300 mm

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon RGB Intelligence Eight mm + metres
Segment 1	125 mm (+X metres)
Segment 2	250 mm (+X metres)
Segment 3	375 mm (+X metres)
Segment 4	500 mm (+X metres)
Segment 5	625 mm (+X metres)
Segment 6	750 mm (+X metres)
Segment 7	875 mm (+X metres)

Segments	Neon RGB Intelligence Two mm + metres
Segment 1	500 mm (+X metres)
Segment 2	-
Segment 3	-
Segment 4	-
Segment 5	-
Segment 6	-
Segment 7	-

Article no. 86080



Article no. 10087



FITTING ACCESSORIES

Type	Article no.
In-feeder Neon Select PVC FC01 IP68 30 cm	86000
End cap Neon Select PVC IP68	86002
Silicone, neutral cross - linked, 20 ml tube	86993
PVC profile, length 2 metres, transparent (for indoor use)	68317
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
Aluminium profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



DMX-SPI Decoder
Article no. 89600
(see page 479)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Required Accessories

if no DMX control available

Touchpanel Article no. 88458
(page 483)



DMX Digital wire
Article no. 89990



Optional accessories

PVC profile NEON
2 metres



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon RGBW Intelligence Eight

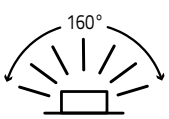
from stock

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, 4-colours, IP68

- 15 W/m: cuttable every 125 mm or 7 LEDs
- LED spacing: 17.8 mm
- beam angle: 160°
- easy installation due to solder-free connectors
- maximum length per connection: 5 Meter - feed in anew for longer lengths
- bending diameter: 120 mm
- scope of delivery: 5 metre roll, with in-feeder connectors and end cap
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- programmable on DMX basis with decoder article No. 89600
- **Attention: do not run all colours at same time under maximum load (max. 80 %)**

IP68 Parallel RoHS REACH UV resistant





Energy efficiency class B

ORDERING INFORMATION

Type	Pixel m	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB+W (2700 K)	8	250-5000	11.5	21	56	450	30.00	24	0.625	15	86107

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TYPE OF CONNECTION

Only one connection

Type of connection			
connection	**ST - straight**	**SU - bottom**	**SL - side left**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL	SU - ST SU - SU SU - SL	SL - ST SL - SU -
max. length at length of wire 0.3 metres			
one connection	max. 5	max. 5	max. 5
two connections	-	-	-
max. length at length of wire 1 metre			
one connection	max. 5	max. 5	max. 5
two connections	-	-	-
max. length at length of wire 3 metres			
one connection	max. 5	max. 5	max. 5
two connections	-	-	-
max. length at length of wire 5 metres			
one connection	max. 5	max. 5	max. 5
two connections	-	-	-
max. length at length of wire 10 metres			
one connection	max. 2.9	max. 2.9	max. 2.9
two connections	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon RGB Intelligence Eight mm + metres
Segment 1	125 mm (+X metres)
Segment 2	250 mm (+X metres)
Segment 3	375 mm (+X metres)
Segment 4	500 mm (+X metres)
Segment 5	625 mm (+X metres)
Segment 6	750 mm (+X metres)
Segment 7	875 mm (+X metres)

Ordering information see page 337

FROM STOCK



IP68 - pressed (from stock)

FITTING ACCESSORIES

Type	Article no.
In-feeder Neon Select / RGB(W) Intelligence PVC FC01 IP68 30 cm	86000
In-feeder Neon Select / RGB(W) Intelligence PVC FC02 IP68 30 cm	86001
End cap Neon Select / RGB(W) Intelligence PVC IP68	86002
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminium profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminium profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimeter	68319

Required Accessories

LED power supply
(see overview on page 414)



DMX-SPI Decoder
Article no. 89600
(see page 479)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Required Accessories

if no DMX control available

Touchpanel Article no. 88458
(page 483)



DMX Digital wire
Article no. 89990



Optional accessories

PVC profile NEON
2 metres



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon Tube

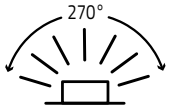
from stock
(pressed version)

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP68

- 12 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 270°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 120 mm
- scope of delivery: 10 oder 20 metre roll, with in-feeder connectors provided at each end (10 m variant has an in-feeder connector and an end cap)
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- can be fed-in anew-thus installable practically endlessly
- other white tones available on request (e.g. 2100 K, 2400 K, 3500 K, 4000 K, 4500 K, 5000 K)
- available on request in green, blue, red, amber and orange

IP68 Parallel RoHS REACH UV resistant





Energy efficiency class B

ORDERING INFORMATION

Colour	Length Meter	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	10	11.5	29	60	350	29.17	24	0.5	12	86015
2700 K	10	11.5	29	60	320	26.67	24	0.5	12	86013
3000 K	20	11.5	29	60	350	29.17	24	0.5	12	86025
2700 K	20	11.5	29	60	320	26.67	24	0.5	12	86023

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



SCOPE FOR CONNECTIONS



IP68 - screw-type (from stock)



IP65 - pluggable (from stock)



IP68 - pressed (from stock)

Article no. 86199





Article no. 86188

Article no. 86181



Article no. 86195





Article no. 86080

Article no. 10087



FITTING ACCESSORIES

Type	Article no.
IP68 in-feeder Neon Tube PVC FC01 30 cm	86181
IP68 in-feeder Neon Tube PVC FC02 30 cm (with 2-sided in-feed)	86182
IP68 end cap Neon Tube PVC	86183
IP68 in-feeder Neon Tube FC01 30 cm, screw-type	86195
IP68 in-feeder Neon Tube FC02 30 cm (with 2-sided in-feed), screw-type	86196
IP68 end cap Neon Tube, screw-type	86197
IP65 direct connector Neon Tube, pressed	86082
IP65 central in-feeder Neon Tube, pressed	86089
IP65 in-feeder Neon Tube FC01 30 cm, pluggable	86184
IP65 in-feeder Neon Tube FC02 30 cm (with 2-sided in-feed), pluggable	86185
IP65 end cap Neon Tube, pluggable	86199
IP65 flex connector Neon Tube - 30 cm, pluggable	86188
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminium profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminium profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimeter	68319
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
Sample case Outdoor	10087
Pressing tool Direct connector / central In-feeder	86080

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer Article no. 80474
(see overview from page 442)



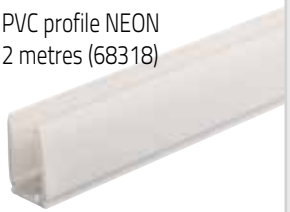
Our suggestion: Aluminium profile (68314)



PVC profile NEON 2 metres (68317)



PVC profile NEON 2 metres (68318)



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon Tube Color

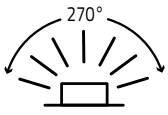
from stock
(pressed version)

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP68

- 10.6 W/m (red: 6.5 W/m)
- cuttable every 100 mm or 6 LEDs
  red: cuttable every 167 mm or 10 LEDs
- LED spacing: 16.7 mm
- beam angle: 270°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 120 mm
- scope of delivery: 5 metre roll, with in-feeder connectors and end cap
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- can be fed-in anew-thus installable practically endlessly

CE IP68 Parallel RoHS REACH UV resistant





Energy efficiency class **E**

ORDERING INFORMATION

Colour	Length Meter	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
red	5	11.5	29	60	75	11.54	24	0.27	6.5	86270
blue	5	11.5	29	60	10	0.94	24	0.44	10.6	86272
green	5	11.5	29	60	135	12.74	24	0.44	10.6	86277

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**







SCOPE FOR CONNECTIONS



IP68 - screw-type (from stock)



IP65 - pluggable (from stock)



IP68 - pressed (from stock)

Article no. 86199



Article no. 86188



Article no. 86181



Article no. 86195



Article no. 86080



Article no. 10087



FITTING ACCESSORIES

Type	Article no.
IP68 in-feeder Neon Tube PVC FC01 30 cm	86181
IP68 in-feeder Neon Tube PVC FC02 30 cm (with 2-sided in-feed)	86182
IP68 end cap Neon Tube PVC	86183
IP68 in-feeder Neon Tube FC01 30 cm, screw-type	86195
IP68 in-feeder Neon Tube FC02 30 cm (with 2-sided in-feed), screw-type	86196
IP68 end cap Neon Tube, screw-type	86197
IP65 direct connector Neon Tube, pressed	86082
IP65 central in-feeder Neon Tube, pressed	86089
IP65 in-feeder Neon Tube FC01 30 cm, pluggable	86184
IP65 in-feeder Neon Tube FC02 30 cm (with 2-sided in-feed), pluggable	86185
IP65 end cap Neon Tube, pluggable	86199
IP65 flex connector Neon Tube - 30 cm, pluggable	86188
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminium profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminium profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimeter	68319
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
Sample case Outdoor	10087
Pressing tool Direct connector / central In-feeder	86080

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer Article no. 80474
(see overview from page 442)



Our suggestion: Aluminium profile (68314)



PVC profile NEON 2 metres (68317)



PVC profile NEON 2 metres (68318)



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



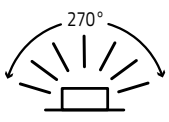
VARDAFLEX Neon Tube RGB

from stock
(pressed version)

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, RGB, IP68

- 12 W/m: cuttable every 100 mm or 6 LEDs
- LED spacing: 16.7 mm
- beam angle: 210°
- easy installation due to solder-free connectors
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 120 mm
- scope of delivery: 10 oder 20 metre roll, with in-feeder connectors provided at each end (10 m variant has an in-feeder connector and an end cap)
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours

IP68 Parallel RoHS REACH UV resistant





Energy efficiency class **E**

ORDERING INFORMATION

Type	Length Meter	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	10	11.5	29	60	70	5.83	24	0.5	12	86016
RGB	20	11.5	29	60	70	5.86	24	0.5	12	86026

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**



SCOPE FOR CONNECTIONS



IP68 - screw-type (from stock)



IP65 - pluggable (from stock)



IP68 - pressed (from stock)



Article no. 86080

Article no. 10087



FITTING ACCESSORIES

Type	Article no.
IP68 in-feeder Neon Tube RGB PVC FC01, 30 cm	86193
IP68 in-feeder Neon Tube RGB PVC FC02 , 30 cm (with 2-sided in-feed)	86194
IP68 end cap Neon Tube RGB PVC	86198
IP68 in-feeder Neon Tube RGB FC01 30 cm, screw-type	86190
IP68 in-feeder Neon Tube RGB FC02 30 cm (with 2-sided in-feed), screw-type	86191
IP68 end cap Neon Tube RGB, screw-type	86192
IP65 direct connector Neon Tube RGB, pressed	86081
IP65 in-feeder Neon Tube RGB FC01 30 cm, pluggable	86186
IP65 in-feeder Neon Tube RGB FC02 30 cm (with 2-sided in-feed), pluggable	86187
IP65 end cap Neon Tube RGB, pluggable	86199
IP65 flex connector Neon Tube RGB - 30 cm	86189
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminium profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminium profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimeter	68319
Silicone, neutral cross - linked, 20 ml tube	86993
Silicone, neutral cross - linked, 310 ml tube	89999
Sample case Outdoor	10087
Pressing tool Direct connector / central In-feeder	86080

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



RGB Controller
Article no. 80460
(see overview from page 442)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

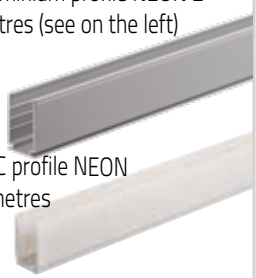
Repeater
Article no. 80491, 88510
(from page 442)



Touchpanel (from page 457)



Aluminium profile NEON 2 metres (see on the left)



PVC profile NEON
2 metres

CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon SVQ

Customized production

Flexible LED strip for indoor and outdoor use, horizontal bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP68

- 12 W/m: cuttable every 55.6 mm or 6 LEDs
- LED spacing: 9.3 mm
- beam angle: 160°
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 20 metres - feed in anew for longer lengths
- bending diameter: 300 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- other white tones and colours available on request (e.g. 2400 K, 4000 K, 4500 K, 5700 K)

IP68 Parallel RoHS REACH UV resistant 160° Energy efficiency class B

ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
3000 K	111.2 - 20000	16	17	108	450	37.50	24	0.5	12	S86165
2700 K	111.2 - 20000	16	17	108	450	37.50	24	0.5	12	S86163

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

TYPE OF CONNECTION

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 0.3 metres				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 1 metre				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20
max. length at length of wire 3 metres				
one connection	max. 9	max. 9	max. 9	max. 9
two connections	max. 18	max. 18	max. 18	max. 18
max. length at length of wire 5 metres				
one connection	max. 8	max. 8	max. 8	max. 8
two connections	max. 16	max. 16	max. 16	max. 16
max. length at length of wire 10 metres				
one connection	max. 6	max. 6	max. 6	max. 6
two connections	max. 12	max. 12	max. 12	max. 12

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon Top mm + metres
Segment 1	55.6 mm (+X metres)
Segment 2	111.2 mm (+X metres)
Segment 3	166.8 mm (+X metres)
Segment 4	222.4 mm (+X metres)
Segment 5	278 mm (+X metres)
Segment 6	333.6 mm (+X metres)
Segment 7	389.2 mm (+X metres)
Segment 8	444.8 mm (+X metres)
Segment 9	500.4 mm (+X metres)
Segment 10	556 mm (+X metres)
Segment 11	611.6 mm (+X metres)
Segment 12	667.2 mm (+X metres)
Segment 13	722.8 mm (+X metres)
Segment 14	778.4 mm (+X metres)
Segment 15	834 mm (+X metres)
Segment 16	889.6 mm (+X metres)
Segment 17	945.2 mm (+X metres)
	one side min. 166.8 mm

ORDERING INFORMATION see page 349

FROM STOCK



ST - IP68 injection molded connector straight

FITTING ACCESSORIES

Type	Article no.
IP68 end cap Neon Top PVC	86175
Sample case Outdoor	10087
Pressing tool for PVC accessory	86180
Aluminium profile Neon Top, 2 metres	68345
PVC profile Neon Top, 2 metres, white	68348

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

Dimmer Article no. 80474
(see overview from page 442)

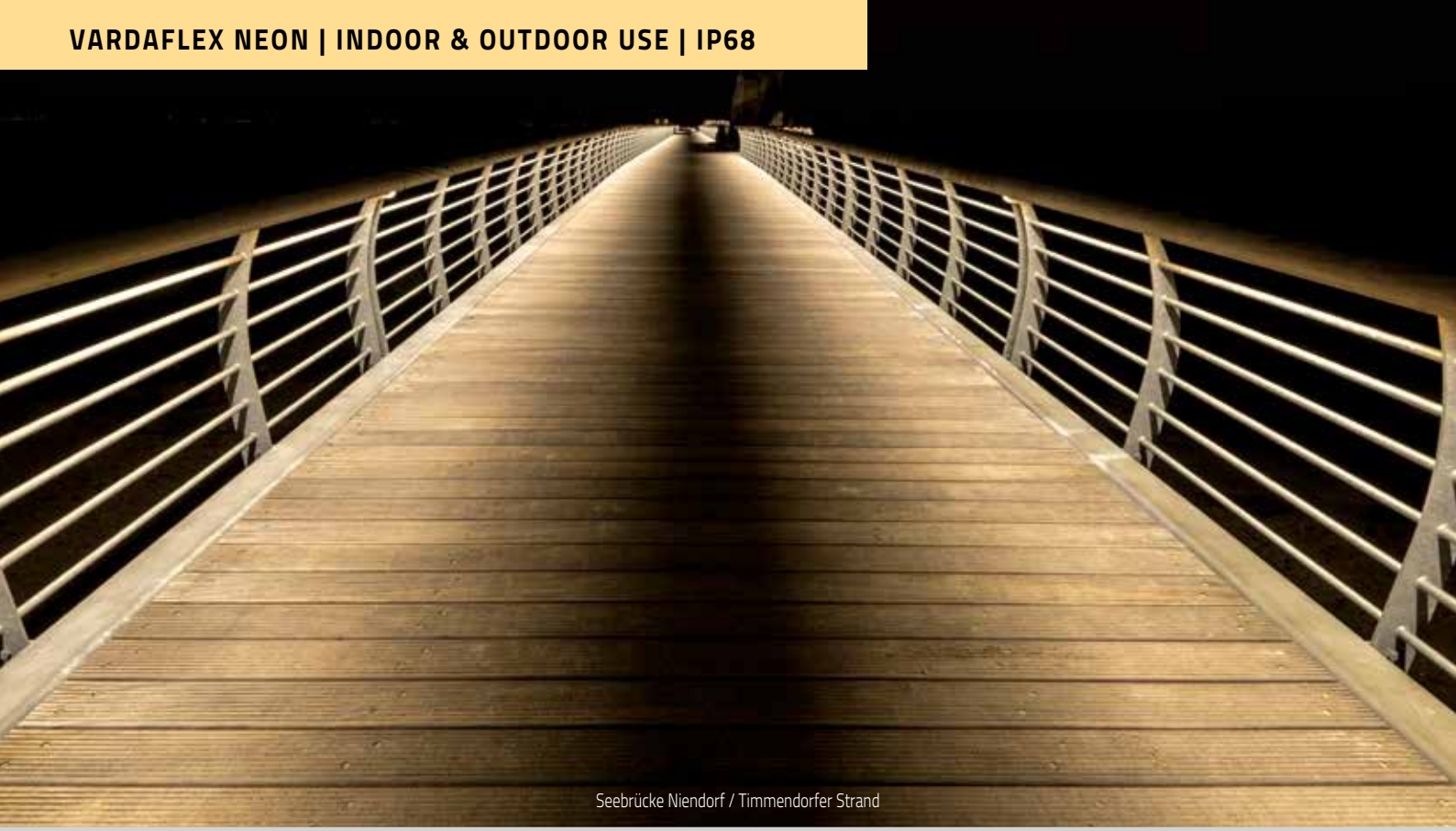


Aluminium profile NEON Top 2 metres (see on the left)



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



Seebrücke Niendorf / Timmendorfer Strand

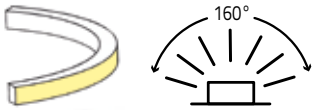
VARDAFLEX Neon TOP

Customized production

Flexible LED strip for indoor and outdoor use, vertical bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, single-colour, IP68

- 11 W/m (amber + red: 7,2 W/m)
- cuttable every 55.6 mm or 6 LEDs (amber and red: cuttable every 83.3 mm or 7 LEDs)
- LED spacing: 9.3 mm
- beam angle: 160°
- maximum length per connection: 10 metres - maximum length by feed-in on both sides: 15 Meter - feed in anew for longer lengths
- bending diameter: 300 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- other white tones and colours available on request (e. g. 2400 K, 4000 K, 4500 K, 5700 K, green)

IP68 Parallel RoHS REACH UV resistant



ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	EEC	Article no.
3500 K	249.9-15000	16	17	108	495	45.00	24	0.46	11	B	S86055
2700 K - CRI 80	249.9-15000	16	17	108	540	49.09	24	0.46	11	B	S86057
2700 K	249.9-15000	16	17	108	495	45.00	24	0.46	11	B	S86053
amber	249.9-15000	16	17	108	180	25.00	24	0.3	7.2	B	S86051
blue	249.9-15000	16	17	108	65	5.91	24	0.46	11	E	S86052
red	249.9-15000	16	17	108	180	25.00	24	0.3	7.2	B	S86050

TYPE OF CONNECTION

Type of connection						
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**	**MU - mitte bottom**	**Z**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -		
max. length at length of wire 0.3 metres						
one connection	max. 10	max. 10	max. 10	max. 10	max. 10	max. 10
two connections	max. 15	max. 15	max. 15	max. 15	-	max. 15
max. length at length of wire 1 metre						
one connection	max. 10	max. 10	max. 10	max. 10	max. 10	max. 10
two connections	max. 15	max. 15	max. 15	max. 15	-	max. 15
max. length at length of wire 3 metres						
one connection	max. 10	max. 10	max. 10	max. 10	max. 10	max. 10
two connections	max. 15	max. 15	max. 15	max. 15	-	max. 15
max. length at length of wire 5 metres						
one connection	max. 9	max. 9	max. 9	max. 9	max. 9	max. 9
two connections	max. 15	max. 15	max. 15	max. 15	-	max. 15
max. length at length of wire 10 metres						
one connection	max. 7	max. 7	max. 7	max. 7	max. 7	max. 7
two connections	max. 14	max. 14	max. 14	max. 14	-	max. 14

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon Top mm + metres	Neon Top red / amber mm + metres
Segment 1	55.6 mm (+X metres)	83.3 mm (+X metres)
Segment 2	111.2 mm (+X metres)	166.6 mm (+X metres)
Segment 3	166.8 mm (+X metres)	249.9 mm (+X metres)
Segment 4	222.4 mm (+X metres)	333.2 mm (+X metres)
Segment 5	278 mm (+X metres)	416.5 mm (+X metres)
Segment 6	333.6 mm (+X metres)	499.8 mm (+X metres)
Segment 7	389.2 mm (+X metres)	583.1 mm (+X metres)
Segment 8	444.8 mm (+X metres)	666.4 mm (+X metres)
Segment 9	500.4 mm (+X metres)	749.7 mm (+X metres)
Segment 10	556 mm (+X metres)	833 mm (+X metres)
Segment 11	611.6 mm (+X metres)	916.3 mm (+X metres)
Segment 12	667.2 mm (+X metres)	
Segment 13	722.8 mm (+X metres)	
Segment 14	778.4 mm (+X metres)	
Segment 15	834 mm (+X metres)	
Segment 16	889.6 mm (+X metres)	
Segment 17	945.2 mm (+X metres)	
	one side min. 166.8mm	one side min. 249.9 mm

ORDERING INFORMATION

1. **Calculation of length:**
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres.
   E.G.: you need 3.70 metres.
   Than the ordering length would be 3.6672 metres.
2. **Choose of connection**
   There are 6 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip. Possibilities please see table above..
3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86055 SU - ST 3.667,2 mm + 300 mm

FITTING ACCESSORIES

Type	Article no.
IP68 in-feeder Neon Top PVC FC01	86170
IP68 in-feeder Neon Top PVC FC02	86171
IP68 end cap Neon Top PVC	86175
Sample case Outdoor	10087
Pressing tool for PVC accessory	86180
Aluminium profile Neon Top, 2 metres	68345
PVC profile Neon Top, 2 metres, white	68348



VARDAFLEX Neon Top RGB

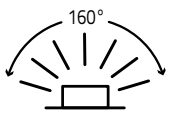
from stock

Flexible LED strip for indoor and outdoor use, vertical bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, RGB, IP68

- 12 W/m: cuttable every 83.3 mm or 6 LEDs
- LED spacing: 13.9 mm
- beam angle: 160°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- bending diameter: 300 mm
- scope of delivery: 5 metre roll, with SU-in-feeder connector provided at one end and injection molded end-cap at the other end
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours

IP68 Parallel RoHS REACH UV resistant





Energy efficiency class B

ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB	249.9-5000	16	17	72	176	14.67	24	0.5	12	86076

BESPOKE - WE MAKE LED STRIPS WITH THE MATCHING **PROFILES** AND **ACTIVATING DEVICES**

TYPE OF CONNECTION

Only one connection

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 0.3 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 1 metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 3 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 5 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 10 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon Top mm + metres
Segment 1	83.3 mm (+X metres)
Segment 2	166.6 mm (+X metres)
Segment 3	249.9 mm (+X metres)
Segment 4	333.2 mm (+X metres)
Segment 5	416.5 mm (+X metres)
Segment 6	499.8 mm (+X metres)
Segment 7	583.1 mm (+X metres)
Segment 8	666.4 mm (+X metres)
Segment 9	749.7 mm (+X metres)
Segment 10	833 mm (+X metres)
Segment 11	916.3 mm (+X metres)
	one side min. 249.9 mm

ORDERING INFORMATION
see page 349

FROM STOCK



SU - IP68 injection molded connector from the bottom

FITTING ACCESSORIES

Type	Article no.
End cap Neon Top RGB PVC IP68	86175
Sample case Outdoor	10087
Silicone, neutral cross - linked, 20 ml tube	86993
Aluminium profile VARDAflex Neon Top 2 metres	68345
Pressing tool	86180
PVC profile VARDAflex Neon Top 2 metres, white	68348

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



RGB Controller
Article no. 80460
(see overview from page 442)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Optional accessories

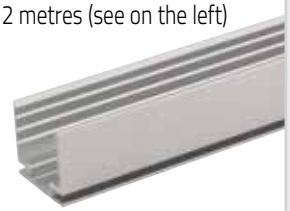
Repeater
Article no. 80491, 88510
(from page 442)



Touchpanel (from page 457)

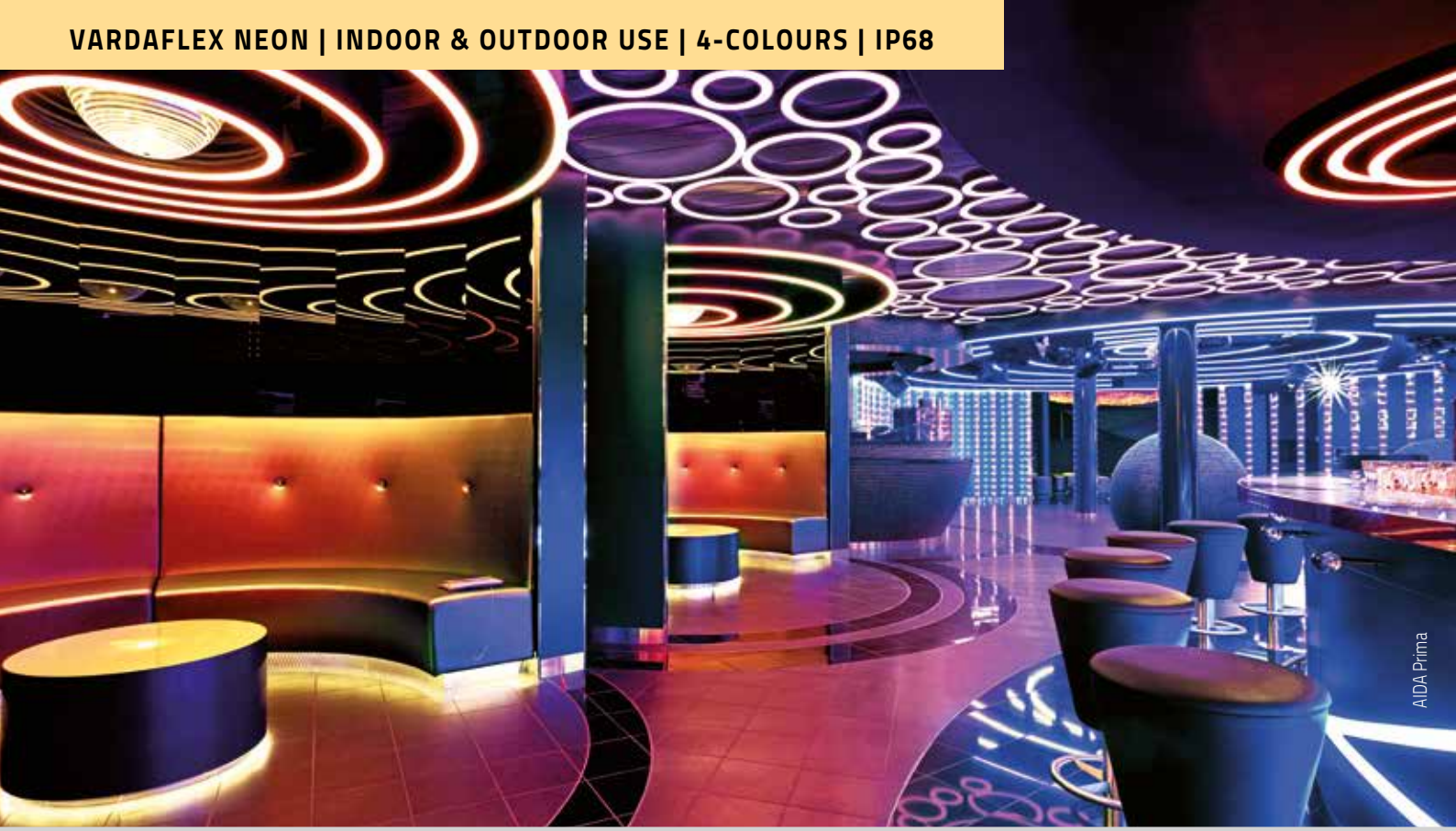


Aluminium profile NEON Top 2 metres (see on the left)



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX

Neon TOP RGBW - Intelligence Twelve

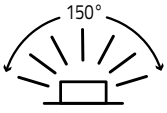
Customized production

Flexible LED strip for indoor and outdoor use, vertical bendable, sealed in UV-, chlorine-, salt water and solvent-resistant PVC, 4-colours, IP68

- 22 W/m: cuttable every 83.3 mm or 7 LEDs
- LED spacing: 11.9 mm
- beam angle: 150°
- maximum length per connection: 5 metres - feed in anew for longer lengths
- bending diameter: 300 mm
- temperature range: -20 to +45°C
- processing temperature: +10 to +45° C
- lifespan L70: ≥ 36,000 hours
- programmable on DMX basis with decoder Article No. 89600
- **Attention: do not run all colours at same time under maximum load (max. 80 %)**

IP68 Parallel RoHS REACH UV resistant





Energy efficiency class B

ORDERING INFORMATION

Colour	Length mm	Width mm	Height mm	No.: LED / m	Light flux lm / m	Efficiency lm / Watt	Volt V DC	Current A / m	Power Watt / m	Article no.
RGB + W (2600 K)	166.6-5000	16	17	84	400	26.67	24	0.92	22	S86078

TYPE OF CONNECTION

Only one connection

Type of connection				
connection	**ST - straight**	**SU - bottom**	**SL - side left**	**SR - side right**
two connections Please see pictures on page 319	ST - ST ST - SU ST - SL ST - SR	SU - ST SU - SU SU - SL SU - SR	SL - ST SL - SU - SL - SR	SR - ST SR - SU SR - SL -
max. length at length of wire 0.3 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 1 metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 3 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 5 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 10 metres				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Segments	Neon Piko mm + metres
Segment 1	83.3 mm (+X metres)
Segment 2	166.6 mm (+X metres)
Segment 3	249.9 mm (+X metres)
Segment 4	333.2 mm (+X metres)
Segment 5	416.5 mm (+X metres)
Segment 6	499.8 mm (+X metres)
Segment 7	583.1 mm (+X metres)
Segment 8	666.4 mm (+X metres)
Segment 9	749.7 mm (+X metres)
Segment 10	833.0 mm (+X metres)
Segment 11	916.3 mm (+X metres)
	one side min. 166.6 mm

ORDERING INFORMATION

1. **Calculation of length:**
   The strips only can be cut at certain points. At which you will find in the table left. For longer length please just add the metres.
   E.G.: you need 3.70 metres.
   Than the ordering length would be 3.6664 metres.
2. **Choose of connection**
   There are 4 possibilities of connections. If you need a connection from two sides the second connection is only to prolong the strip. Possibilities please see table above.
3. **Ordering**
   Please give following informations for order:
   Article no. strip + information connection + length + wire length in mm
   S86078 SU - ST - 24.416,5 mm

FROM STOCK



ST - IP68 injection molded connector straight

FITTING ACCESSORIES

Type	Article no.
End cap Neon Top RGB PVC IP68	86175
Sample case Outdoor	10087
Silicone, neutral cross - linked, 20 ml tube	86993
Aluminium profile VARDAflex Neon Top 2 metres	68345
Pressing tool	86180
PVC profile VARDAflex Neon Top 2 metres, white	68348

Refer to page 354/355 for fitting instructions.

Required Accessories

LED power supply
(see overview on page 414)



DMX-SPI Decoder
Article no. 89600
(see page 479)



CAUTION:

Use power supply units with PFC upwards of 25 W!
E.g. our power supply units with active PFC.

Required Accessories

if no DMX control available

Touchpanel Article no. 88458
(page 483)



DMX Digital wire
Article no. 89990



Optional accessories

PVC profile NEON Top
2 metres



CAUTION:

When processing, only use **neutral cross - linked silicone!**
e.g. Article no. 89999, 310 ml

Installations for VARDAflex Neon

IP65 - In-feeder / Flex connector



Determine positive poles.



Cover over the plastic cap.
The clip needs to be at the front.


Fully slide in the attachment plug under the wafer. Caution: the positive poles must tally.


Seal the anti - sliding clip - barbed hooks grip into the strip and stop any slipping.


In-feeder with silicone - slip over cap until it engages.


Seal plastic cap at the other end with silicone.


After a functional check, project the shrink sleeve at sides when positioning it on both.


Fuse the shrink sleeve with a hot - air gun.


Seal the cable / end of the shrink sleeve with silicone.


Finished! Carry out installation at both strip ends of the flex connector.

IP65 - End cap


Position the sealing tabs in the end cap.


Cover over the end cap.


... and seal with silicone.


Project shrink sleeve on both sides when positioning it.


Use the hot - air gun to fuse the shrink sleeve and seal the end with silicone.

IP65 - Direct connector


Cut strip at the marked points.


Fully slide in the attachment plug under the wafers. Caution: the positive poles must tally.


Fit the anti-sliding clip-the barbed hooks grip into the strip and stop any slipping.


Fit the installation bars.

IP68 - In-feeder



Fit the anti-sliding clip - the barbed hooks grip into the strip and stop any slipping.



Cover the anti-sliding clip with the aluminum profile section.



Fully slide in the attachment plug under the wafer. Caution: the positive poles must tally.



Firmly screw the attachment plug with the aluminum profile section - finished.

IP68 - End cap



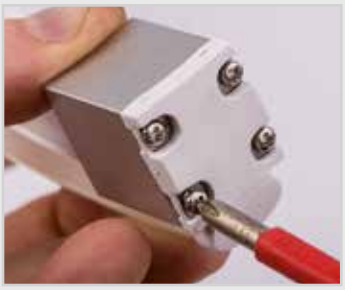
Proceed as with In-feeder IP68.



Caution: the sealing tabs must rest on the catch!



Carefully position the end cap to stop the seal slipping.



Screw end cap onto the aluminum profile section - finished.

IP68 - PVC In-feeder



Fit the anti-sliding clip - Fully slide in the attachment plug under the wafer Caution: the positive poles must tally.



Fit the installation bar.



Keep tightening the strip with the pressing tool until.



Finished.

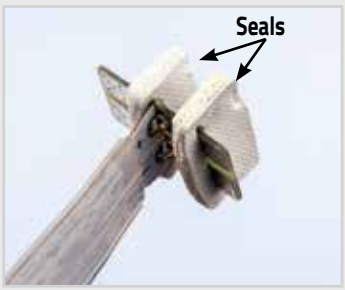
IP65 Central In-feeder unit



Keep tightening the strip from both sides with the pressing tool until there is no gap between the ends



Finished.



Only with the central In-feeder unit is installation as with the direct connector. Note: Position seals on both sides.



Finished.



Light-Profiles

for indoor and outdoor use

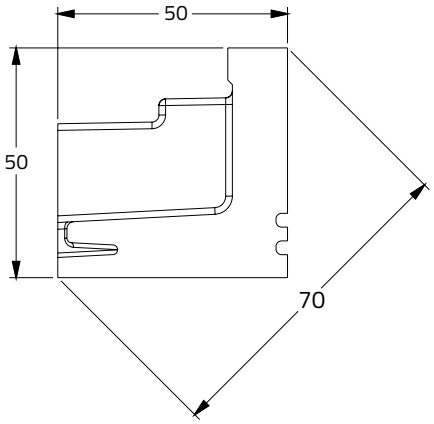
cold- and heat resistant
UV-resistant
light
strong
shock- and water resistant
easily paintable
PU-foam





Light-Profile 5 x 5 rectangular

- material: polyurethane - foam
- 200 x 5 x 5 cm
- inside dimension **not suitable** for power supplies and controllers
- easily paintable
- cuttable on customer requirement per saw
  (we suggest mitre - cutting saw e.f. Art. No. 67998)
- optional aluminum profiles: 68405 (page 384)
- installation guide on page 364



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro damp room / outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix Extra for conneting two profiles Art. no. 67953/67952



Additional accessories on page 365

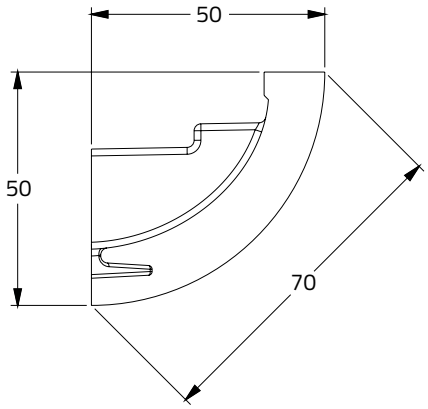
ORDERING INFORMATION

Type	Model	Lenght	Article no.
5 x 5 rectangular	fixed	2 metres	67005



Light-Profile 5 x 5 round

- material: polyurethane - foam
- 200 x 5 x 5 cm
- inside dimension **not suitable** for power supplies and controllers
- easily paintable
- cuttable on customer requirement per saw
  (we suggest mitre - cutting saw e.f. Art. No. 67998)
- optional aluminum profiles: 68405 (page 384)
- installation guide on page 364



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro damp room / outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix Extra for conneting two profiles Art. no. 67953/67952



Additional accessories on page 365

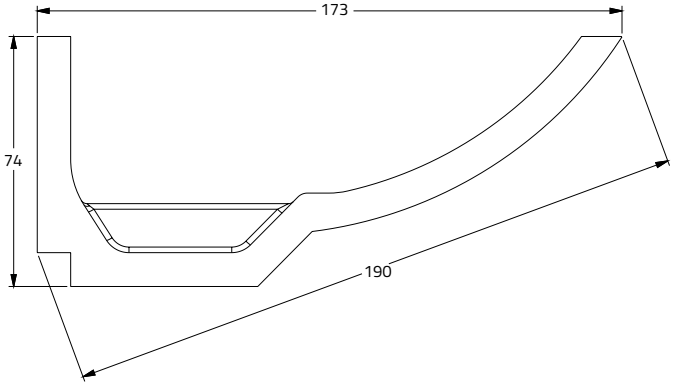
ORDERING INFORMATION

Type	Model	Lenght	Article no.
5 x 5 round	fixed	2 metres	67015
5 x 5 round	fixed - smooth ends	1.3 metres	67018



Light-Profile 7.4 x 17.3 round

- material: polyurethane - foam
- 200 x 7.4 x 17.3 cm
- inside dimension suitable for power supplies and controllers
- easily paintable
- cuttable on customer requirement per saw
  (we suggest mitre - cutting saw e.f. Art. No. 67998)
- optional aluminum profiles: 68405 (page 384)
- installation guide on page 364



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro damp room / outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix Extra for conneting two profiles Art. no. 67953/67952



Additional accessories on page 365

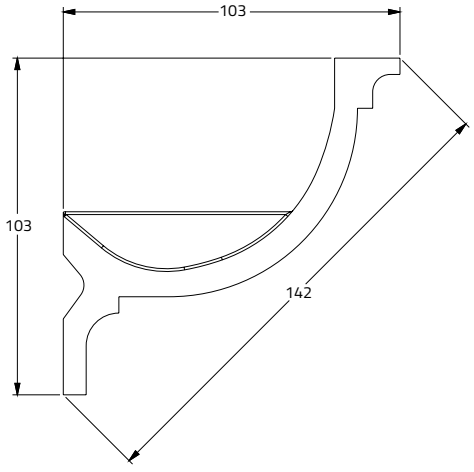
ORDERING INFORMATION

Type	Model	Lenght	Article no.
7.4 x 17.3 round	fixed	2 metres	67075



Light-Profile 10.3 x 10.3 round

- material: polyurethane - foam
- 200 x 10.3 x10.3 cm
- inside dimension suitable for power supplies and controllers
- easily paintable
- cuttable on customer requirement per saw
  (we suggest mitre - cutting saw e.f. Art. No. 67998)
- optional aluminum profiles: 67900 (page 365),
  68405 (page 384)
- installation guide on page 364



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro damp room / outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix Xxtra for conneting two profiles Art. no. 67953/67952



Additional accessories on page 365

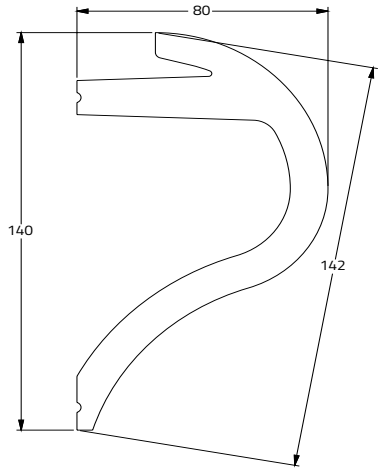
ORDERING INFORMATION

Type	Model	Lenght	Article no.
10.3 x 10.3 round	fixed	2 metres	67065
10.3 x 10.3 round	flexible	2 metres	67066



Light-Profile 14 x 8 waved

- material: polyurethane - foam
- 200 x 14 x 8 cm
- inside dimension suitable for power supplies and controllers
- easily paintable
- cuttable on customer requirement per saw
  (we suggest mitre - cutting saw e.f. Art. No. 67998)
- optional aluminum profiles: 68405 (page 384)
- installation guide on page 364



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro damp room / outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



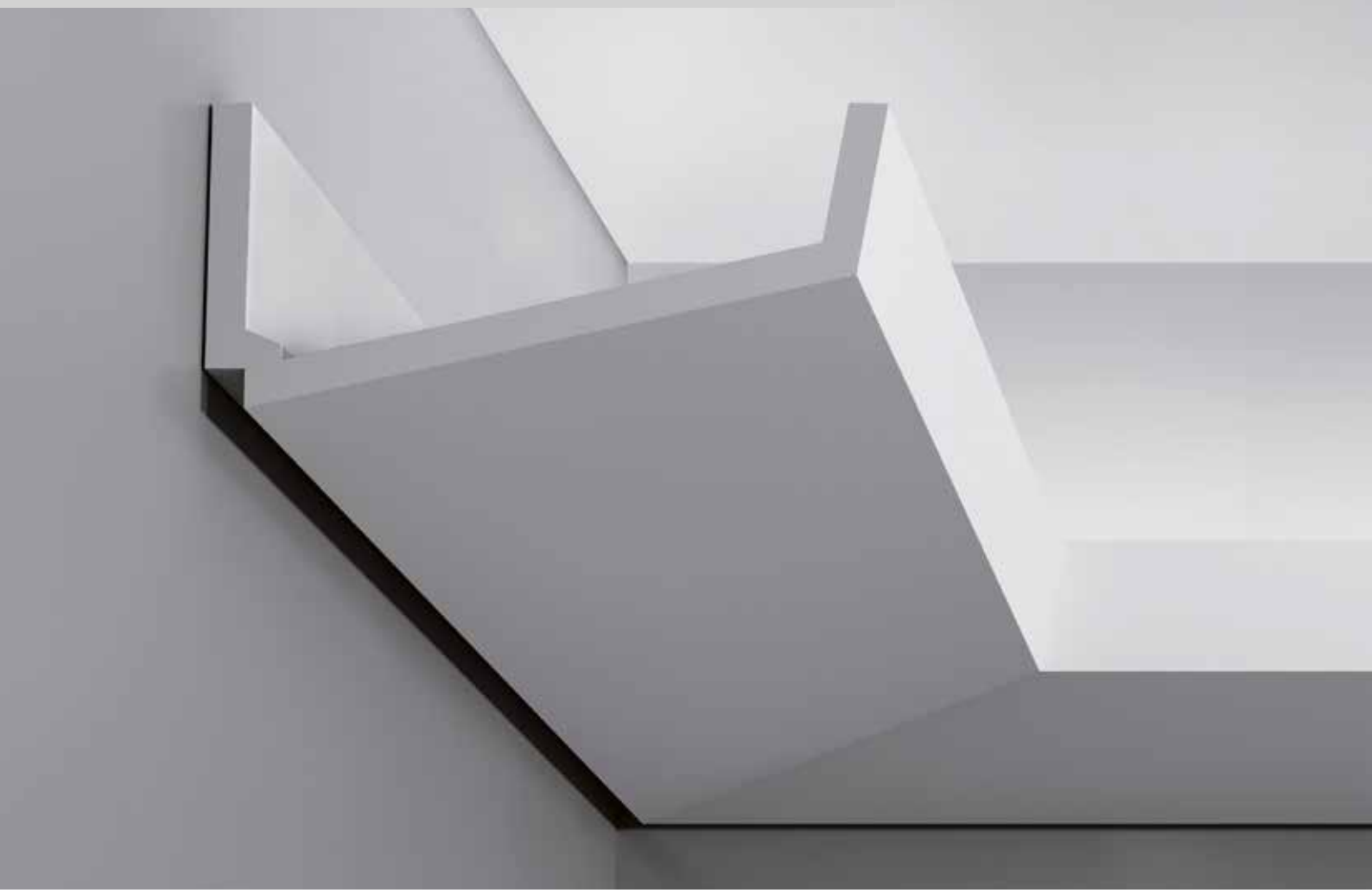
Decofix Extra for conneting two profiles Art. no. 67953/67952



Additional accessories on page 365

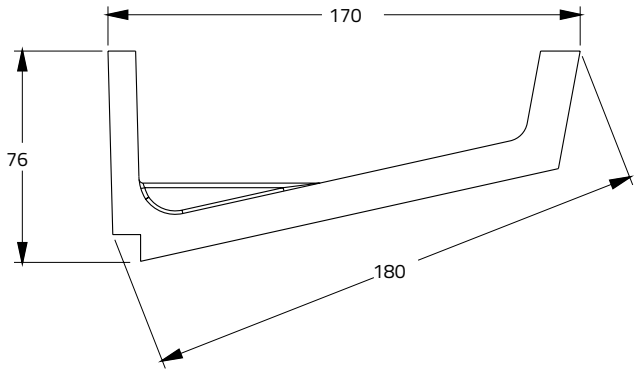
ORDERING INFORMATION

Type	Model	Lenght	Article no.
14 x 8 waved	fixed	2 metres	67045



Light-Profile 7.6 x 17.1 rectangular

- material: polyurethane - foam
- 200 x 7.6 x 17.1 cm
- inside dimension suitable for power supplies and controllers
- easily paintable
- cuttable on customer requirement per saw
  (we suggest mitre - cutting saw e.f. Art. No. 67998)
- optional aluminum profiles: 68405 (page 384)
- installation guide on page 364
- Attention: please also fix by screws to the wall



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro damp room / outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix Extra for conneting two profiles
Art. no. 67953/67952



Additional accessories on page 365

ORDERING INFORMATION

Type	Model	Lenght	Article no.
7.6 x 17.1 rectangular	fixed	2 metres	67085

Installation guide









5 Inner corner



5 Outer corner









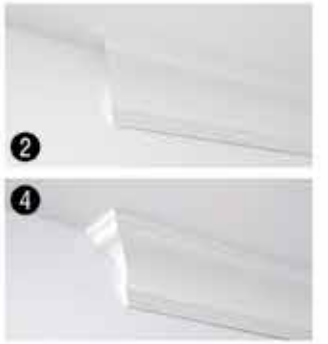












Tips & Tricks

6 Use DecoFix Hydro (67951) for exterior applications, humid areas, non - porous surfaces and for newly built houses with high humidity and low temperature

- DecoFix Pro (67950) or Hydro (67951) should be used over the complete length of the profiles and the full width of the gluing area
- The V - Fix is only for guiding the nozzle

7 Push products firmly and evenly against the wall and ceiling (every 10 cm!)

- Use stainless steel nails to support indirect - lighting profiles

9 Joints have to be dust free

- Use DecoFix Extra (67953 - 80ml, 67952 - 310 ml) in every joint (not only for corners) on one side of the profiles already installed

10 Apply enough DecoFix Extra (67952, 67953); excess must come out of the front and the back

11 Wipe of with acetone or similar product

ACCESSORIES FOR LIGHT-PROFILES







Type	Model	Article no.
Decofix Super Strong, white, 310 ml	Indoor Wall and ceiling for 8 metres	67950
Decofix Hydro, white, 290 ml	Outdoor Wall and ceiling for 8 metres	67951
Decofix Extra, transparent, 310 ml	to connect two profiles, for 80 metres - CAUTION: Beware of the safety instructions	67952
Decofix Extra, transparent, 80 ml	to connect two profiles, for 20 metres - CAUTION: Beware of the safety instructions	67953
Protractor		67989
cutting bracket PVC		67997
cutting bracket wood		67998
cutting device		67999
Mounting aluminum profile	for VARDAflex LED Strips, width 30 mm, height 20 mm, length 2 meters	67900

Our profiles - at a glance

Category	Designations	Article no.		Colour	Width mm	Height mm	Internal size for strips to mm	Covering material
		2 metres	3 metres					
U-/ Collar profiles	Aluminium profile 8/8	69415	-	alu	8	8	5	polycarbonate
	Aluminium profile 8/9	65375	-	alu	8	9	5	polycarbonate
	Aluminium profile 10/15	69515	-	alu	10	15	8	polycarbonate
	Aluminium profile 10/15K	69615	-	alu	10/16	15	8	polycarbonate
	Aluminium profile 12/8	69405	-	alu	12	8	8	polycarbonate
	Aluminium profile 16/9	69425	-	alu	16	9	12.2	polycarbonate
	Aluminium profile 16/15	69105	-	alu	16	15	13	polycarbonate
	Aluminium profile 17/8	65505	65508	alu	17	8	12.2	PMMA
	Aluminium profile 17/8	65506	65509	white	17	8	12.2	PMMA
	Aluminium profile 17/8	65502	65503	black	17	8	12.2	PMMA
	Aluminium profile 17/8K	65605	65608	alu	17/23.3	8	12.2	PMMA
	Aluminium profile 17/15	65515	65518	alu	17	15	12.2	PMMA
	Aluminium profile 17/15	65516	65519	white	17	15	12.2	PMMA
	Aluminium profile 17/15	65512	65513	black	17	15	12.2	PMMA
	Aluminium profile 17/15K	65615	65618	alu	17/23.3	15	12.2	PMMA
	Aluminium profile 18/6B	65205	-	alu	18	6	10	polycarbonate
	Aluminium profile 18/10	68477	-	alu	18	10	14	polycarbonate
	Aluminium profile 18/12	68475	-	alu	18	12	12.2	polycarbonate
	Aluminium profile 19/13KA	69635	-	alu	19/21	13	13	polycarbonate
	Aluminium profile 20/11	65105	-	alu	20	11	16	polycarbonate
	Aluminium profile 20/15	65305	-	alu	20	15	16	PMMA
	Aluminium profile 23/12	68405	68408	alu	22.5	11.8	18.2	polyc./PMMA
	Aluminium profile 23/12K	68425		alu	22.5/30	11.8	18.2	polyc./PMMA
	Aluminium profile 23/18	68415	68418	alu	22.5	11.8	18.2	polyc./PMMA
	Aluminium profile 23/18K	68435	-	alu	22.5/30	11.8	18.2	polyc./PMMA
	Aluminium profile 30/32	65465/752	-	alu	30	32	13	polycarbonate
	Aluminium profile 35/33	68465	68468	alu	35	33	18.2	polycarbonate
	Aluminium profile 35/35	65935	65938	alu	35	35	30	PMMA
	Aluminium profile 35/35	65936	65939	white	35	35	30	PMMA
	Aluminium profile 35/35K	65925	65928	alu	35/49	35	30	PMMA
	Aluminium profile 39/9F	69205	-	alu	39	9	26	polycarbonate
	Aluminium profile 50/35	65735	-	alu	50	35	39	polycarbonate
	Aluminium profile 50/35K	65835	-	alu	50/65	35	39	polycarbonate
	Aluminium profile 50/75	65715/772	-	alu	50	75	18	polycarbonate
	Aluminium profile 57/9F	69705	-	alu	57	9	12.2	polycarbonate
	Aluminium profile 75/35	65745	-	alu	75	35	64	polycarbonate
	Aluminium profile 75/35K	65845	-	alu	75/90	35	64	polycarbonate
	Aluminium profile 75/78	65725/882	-	alu	75	78	42	polycarbonate
	Aluminium profile 102/35K	69845	-	alu	102/117	35	80	polycarbonate
Corner profiles	Aluminium profile 16/16E	65625	-	alu	16	16	11	PMMA
	Aluminium profile 18/18E	65635	65638	alu	18	18	12.2	PMMA
	Aluminium profile 18/18E	65636	65639	white	18	18	12.2	PMMA
	Aluminium profile 18/18E	65632	65633	black	18	18	12.2	PMMA
	Aluminium profile 22/22E	68455	-	alu	22	22	18.2	polycarbonate
	Aluminium profile 30/30E	65655	-	alu	30	30	20	polycarbonate
Ceiling- and pendant profiles	Aluminium circular profile D21R	65145	-	alu	20.8	20.8	12.2	PMMA
	Aluminium circular profile D60R	65225	-	alu	60	60	30	polycarbonate
	Aluminium profile 93/59	69145	-	alu	93	59	25	polycarbonate
Wall profiles	Wall recessed profile 26/70W	65095	-	alu	26	70	12.2	PMMA
	Wall recessed profile 26/79W	69095	-	alu	26	79	12.2	polycarbonate
	Aluminium profile 15/7G	69805	-	alu	15	7	8	-
IP68 profiles	Aluminium profile 23/11IP68	68125	-	alu	23	11	12	PMMA
	Aluminium profile 23/13KIP68	68225	-	alu	23/63	13	12	PMMA
	Aluminium profile 32/31IP68	68025	-	alu	32	31	20	PMMA
	Aluminium profile 31/31EIP68	68035	-	alu	31	31	12.2	PMMA
Stair profiles	Aluminium stair profile Step1	69245	-	alu	68	26	12.2	polycarbonate
	Aluminium stair profile Step2	69235	-	alu	66	27	12.2	polycarbonate
	Aluminium stair profile Step3	65235	-	alu	49	25	10	polycarbonate
	Aluminium stair profile Step4	65245	-	alu	81	41.6	11	polycarbonate
Flush-mounted profiles	Aluminium profile 13/14U	65005	-	alu	13/53	14	10	polycarbonate
	Aluminium profile 13/14UE1	65025	-	alu	13/51	14	10	polycarbonate
	Aluminium profile 13/14UE2	65035	-	alu	13/46	14	10	polycarbonate
	Aluminium profile 16/11U	69015	-	alu	16/36	11	12.2	polycarbonate
	Aluminium profile 29/14U	65015	-	alu	28.5/35.5	14	20.5	polycarbonate
	Aluminium profile 93/49U	69225	-	alu	93/133	49	2 x 12.2	polycarbonate
Clothes rail profiles	Aluminium profile 15/30S	69535	-	alu	15	30	12	polycarbonate
	Aluminium profile 18/34S	69525	-	alu	18	34	15	polycarbonate

Cover clear		Cover semi-frosted		Cover frosted		Cover opal white		more covers	Suspended wire	Page
2 metres	3 metres	2 metres	3 metres	2 metres	3 metres	2 metres	3 metres			
-	-	-	-	69478	-	-	-	-	-	374
-	-	-	-	65388	-	-	-	-	-	374
69697	-	-	-	69698	-	-	-	-	-	375
69697	-	-	-	69698	-	-	-	-	-	375
-	-	-	-	69498	-	-	-	-	-	375
-	-	-	-	69458	-	-	-	-	-	375
-	-	-	-	69189	-	-	-	-	69191	376
65597	65577	65594	65574	-	-	65592	65572	-	-	377
65597	65577	65594	65574	-	-	65592	65572	-	-	377
65597	65577	65594	65574	-	-	65592	65572	-	-	377
65597	65577	65594	65574	-	-	65592	65572	-	-	377
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-	-	-	-	65528	-	-	-	-	-	379
-	-	-	-	-	-	-	-	68891/ 68892	-	380
-	-	-	-	68598	-	-	-	-	-	380
-	-	-	-	69628	-	-	-	-	-	381
-	-	-	-	-	-	-	-	65189/ 65188/65181	69191	382
-	-	-	-	-	-	-	-	65349 / 65348	-	383
68897	-	68894	-	68760/893/898	68888	-	-	68891/ 68892	-	384
68897	-	68894	-	68760/893/898	-	-	-	68891/ 68892	-	384
68897	-	68894	-	68760/893/898	68888	-	-	68891/ 68892	-	385
68897	-	68894	-	68760/893/898	-	-	-	68891/ 68892	-	385
-	-	-	-	65798	-	-	-	-	-	386
-	-	-	-	68765	68768	-	-	-	-	386
65997	65987	65994	65984	-	-	65992	65982	-	65973	387
65997	65987	65994	65984	-	-	65992	65982	-	65973	387
65997	65987	65994	65984	-	-	65992	65982	-	-	387
-	-	-	-	69298	-	-	-	-	-	388
-	-	-	-	65958	-	-	-	-	65941	389
-	-	-	-	65958	-	-	-	-	-	389
-	-	-	-	65798	-	-	-	-	65773	390
-	-	-	-	69048	-	-	-	-	-	391
-	-	-	-	65958	-	-	-	-	65881	392
-	-	-	-	65958	-	-	-	-	-	392
-	-	-	-	65895	-	-	-	-	65941	393
-	-	-	-	69918	-	-	-	-	-	394
-	-	-	-	-	-	65672/73		-	-	395
65597	65577	65594	65574	-	-	65592	65572	-	-	396
65597	65577	65594	65574	-	-	65592	65572	-	-	396
65597	65577	65594	65574	-	-	65592	65572	-	-	396
68897	-	68894	-	68760/893/898	-	-	-	-	-	397
-	-		-	-	-	-	-	-	-	398
65137	-	65134	-	-	-	-	-	-	65121	399
-	-	-	-	-	-	-	-	-	65281	400
-	-	-	-	-	-	-	-	-	69121	401
65157	-	-	-	-	-	-	-	-	-	402
	-	-	-	69038	-	-	-	-	-	403
-	-	-	-	-	-	-	-	-	-	403
68099	-	-	-	68094	-	-	-	-	-	404
68099	-	-	-	68094	-	-	-	-	-	404
68099	-	-	-	68094	-	-	-	-	-	404
68099	-	-	-	68094	-	-	-	-	-	405
-	-	-	-	69558	-	-	-	-	-	406
-	-	-	-	69028	-	-	-	-	-	406
-	-	-	-	-	-	65702	-	-	-	407
-	-	-	-	-	-	65582	-	-	-	407
-	-	-	-	65088	-	-	-	-	-	408
-	-	-	-	65088	-	-	-	-	-	408
-	-	-	-	65088	-	-	-	-	-	408
-	-	-	-	69088	-	-	-	-	-	409
-	-	-	-	65078	-	-	-	-	-	409
2x69277	-	-	-	-	-	-	-	-	-	410
-	-	-	-	-	-	69572	-	-	-	411
-	-	-	-	-	-	69598	-	-	-	411

Aluminium profile für VARDAFLEX LED strips

	Width mm		5		8			10			11			12			12.2				
	Aluminium profile		Aluminium profile 8/8	Aluminium profile 8/9	Aluminium profile 10/15	Aluminium profile 12/8	Aluminium profile 15/7G	Aluminium profile 18/6B	Aluminium stair profile Step3	Aluminium profile 13/14U, UE1 und 2	Aluminium profile 16/16E	Aluminium profile 18/10	Aluminium stair profile Step4	Aluminium profile 23/11IP68	Aluminium profile 15/30S	Aluminium profile 35/33	Aluminium profile 16/9	Aluminium profile 17/8	Aluminium profile 17/15	Aluminium profile 18/12	Aluminium profile 57/9F
Strip / Page	Watt/m	Width mm	374	374	375	375	403	379	407	408	395	380	407	404	411	386	375	377	378	380	391
VARDAflex Standard Eco Reach30	3	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex, CRI95, Eco, Superior, Nano, Infrared	4.8	8			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Side Mini	4.8	8										yes									
VARDAflex Superior Reach 25	4.8	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex RGB	7.2	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Mini	9.6	5	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Plus, Plus CRI90, Plus Nano	9.6	8			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Plus Eco, Select	9.6	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex RGBW	9.6	12						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Slim	10	3.5						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Nova Plus	12	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Plus Profi, RGB Double, RGB Double Nano, Nova RGB, Superior Plus Reach10	14.4	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex RGB Side	14.4	10										yes									
VARDAflex Mini Ultra	15	5	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Select-CRI	16.3	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Duo	17	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Mini Double	18	5	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Nova Double 2200 K	18	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Side Mini Double	19.2	8										yes									
VARDAflex Double, Double CRI 95, Nova Double, Double Eco, Double Nano, RGBW (1 Chip), RGBW (1 Chip) Nano	19.2	10						yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex asymmetrical	19.2	10										yes									
VARDAflex 4inOne-60	19.2	12										yes		yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Para, Para Eco	19.2	14										yes				yes					
VARDAflex Para, Para UV black light	19.2	16														yes					
VARDAflex Ultra	19.8	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex 4inOne-84	20	12										yes		yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Single, Single Select	21	10														yes			yes		
VARDAflex Quantum	22	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex RGB Ultra	23	12														yes			yes		
VARDAflex Surround	23.04	10										yes									
VARDAflex Nova Triple, Nova Ultra, Grow, Nova RGB Double	24	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex 5inOne-60	24	14										yes				yes					
VARDAflex Triple	24.5	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Double Profi	25	10							yes	yes	yes	yes	yes			yes					
VARDAflex 5inOne-96	25	12										yes		yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex RGB+W+WW	26	15														yes					
VARDAflex Para RGB	28	20																			
VARDAflex High Eco, RGBW+WW, Select Ultra	28.8	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Side Mini RGB	31	10										yes									
VARDAflex Double RGBW+WW	33.6	12										yes		yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex High Performance	36	10							yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Para3	40	30																			
VARDAflex Supra	42	12										yes		yes	yes	yes	yes	yes	yes	yes	yes
VARDAflex Para3 Superior	52.8	22																			

12.2									13			15	16		18	18,2			20		20.5	25	26	30		39	42	64	80
Aluminium profile 18/18E	Aluminium circular profile D21R	Wall recessed profile 26/70W	Wall recessed profile 26/79W	Aluminium profile 31/31EIP68	Aluminium stair profile Step1	Aluminium stair profile Step2	Aluminium profile 16/11U	Aluminium profile 93/49U	Aluminium profile 16/15	Aluminium profile 19/13KA	Aluminium profile 30/32	Aluminium profile 18/34S	Aluminium profile 20/11	Aluminium profile 20/15	Aluminium profile 50/75	Aluminium profile 23/12	Aluminium profile 23/18	Aluminium profile 22/22E	Aluminium profile 30/30E	Aluminium profile 32/31IP68	Aluminium profile 29/14U	Aluminium profile 93/59	Aluminium profile 39/9F	Aluminium profile 35/35	Aluminium circular profile D60R	Aluminium profile 50/35	Aluminium profile 75/78	Aluminium profile 75/35	Aluminium profile 102/35K
396	399	402	403	405	406	406	409	410	376	381	386	411	382	383	390	384	385	397	398	404	409	401	388	387	400	389	393	392	394
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
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yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
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Dark at brightness - bright in the dark!



Our new profile covers
suitable for following profiles:

17/8	Article no. 62590 (2 metres)
	Article no. 62591 (3 metres)
17/15	Article no. 62590 (2 metres)
	Article no. 62591 (3 metres)

coming soon:

35/35	Article no. 62980 (2 metres)



Our new variety of profiles: with all essentials

U- and collar profiles from 8 to 102 mm width with overlapping cover



Aluminium profile without aluminium visible edge, flat and overlapping cover



Flat circular profile with semicircular cover



Standard profile in white, alu and black with suitable end caps and large variety of covers



Aluminium profile without side wall and with high cover



Asymmetrical collar profile with flat cover



Flexible aluminium profile with slightly arched cover



Reflector aluminium profile for clicking with flat cover



Flat aluminium profile, usable as furniture luminaires



Flat aluminium profile, usable as floor profile with slightly arched cover



Aluminium corner profiles in many measurements, with circular and coner 90° cover





Ceiling and pendant profile with semicircular cover



Wall recessed profile including waved reflector for indirect lighting



Aluminium profile for edge lighting of glass surfaces



Aluminium flush-mounted profile with flat cover



Stair profile with slightly arched cover



Aluminium flush-mounted profile for indirect lighting



Aluminium clothes rail profile with flat cover



Profile covers









Cover lens 15°



Cover lens 30°



Cover lens 60°



Blind cover



Extensive installation accessories

Mounting clamp - metal



Mounting clamp, corner profile



Mounting clamp Z-form



Mounting clamp 30° / 60°



Mounting clamp, alu



Fastening rail, alu



Fastening ceiling - metal for aluminium clothes rail



Fastening wall - metal for aluminium clothes rail



Mounting clamp ceiling installation



Mounting clamp ceiling installation, alu





End caps, metal



End caps, plastic



U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 8/8

NEW

Aluminium profile, extremely small, without aluminium visible edge, internal size for strips up to a width of 5 mm

- new overlapping cover, frosted, for a homogeneous lighting
- available in frosted
- covering material: polycarbonate



Type	Length m	Article no.
Aluminium profile 8/8	2	69415
Cover frosted	2	69478
Accessories		
End cap in-feeder		69468
Mounting clamp - metal		69460

Aluminium profile 8/9

NEW

Aluminium profile, extremely small, internal size for strips up to a width of 5 mm

- flat cover for a homogeneous lighting
- available in frosted
- covering material: polycarbonate



Type	Length m	Article no.
Aluminium profile 8/9	2	65375
Cover frosted	2	65388
Accessories		
End cap in-feeder		65381
End cap		65382
Mounting clamp - metal		65380

Aluminium profile 10/15 and collar profile 10/15K

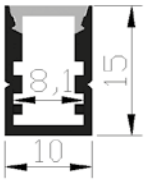
NEW



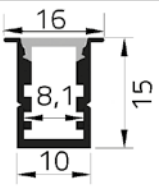
Standard aluminium profile, slim,
internal size for strips up to a width of 6 mm

- flat cover for a homogeneous lighting
- available in clear and frosted
- covering material: polycarbonate

Type	Length m	Article no.
Aluminium profile 10/15	2	69515
Aluminium profile 10/15K	2	69615
Cover clear	2	69697
Cover frosted	2	69698
Accessories		
End cap in-feeder		69678
End cap		69679
End cap in-feeder collar		69688
End cap collar		69689
Mounting clamp - metal		69540



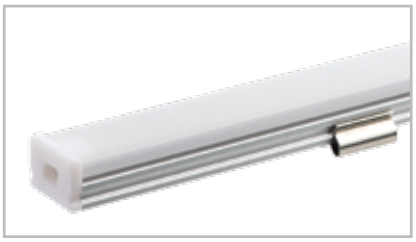






Aluminium profile 12/8

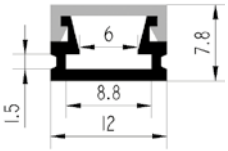
NEW



Aluminium profile, extremely flat, without aluminium visible edge,
internal size for strips up to a width of 8 mm

- new overlapping cover, frosted, for a homogeneous lighting
- available in frosted
- covering material: polycarbonate

Type	Length m	Article no.
Aluminium profile 12/8	2	69405
Cover frosted	2	69498
Accessories		
End cap in-feeder		69488
Mounting clamp - metal		69480





Aluminium profile 16/9

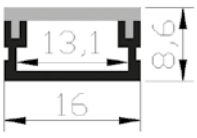
NEW



Aluminium profile, flat, without aluminium visible edge,
internal size for strips up to a width of 12.2 mm

- new overlapping cover, frosted, for a homogeneous lighting
- available in frosted
- covering material: polycarbonate

Type	Length m	Article no.
Aluminium profile 16/9	2	69425
Cover frosted	2	69458
Accessories		
End cap in-feeder		69448
End cap		69449
Mounting clamp - metal		69440





U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 16/15

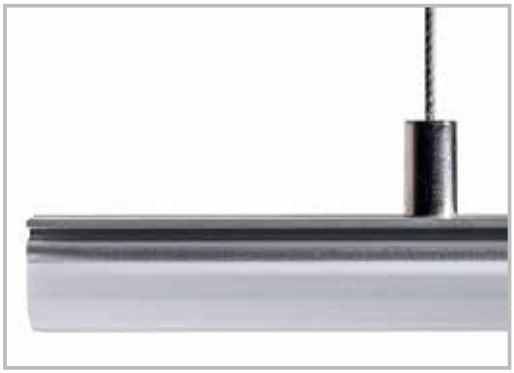
NEW

Flat circular profile, internal size for strips up to a width of 13 mm

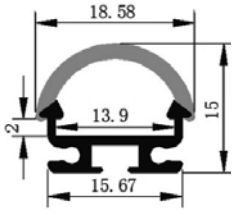
- arched cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate







Type	Length m	Article no.
Aluminium profile 16/15	2	69105
Cover, arched, frosted	2	69189
Accessories		
End cap in-feeder		69178
End cap		69179
Mounting clamp - metal		69190
Suspended wire		69191



Aluminium profile 17/8 and collar profile 17/8K

NEW

Standard aluminium profile in alu, white (RAL9016) and black (RAL9005), internal size for strips up to a width of 12.2 mm

- new slightly arched cover with optimized, optical properties
- available in clear, semi-frosted and opal white
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front

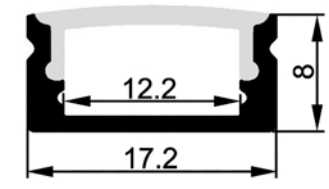


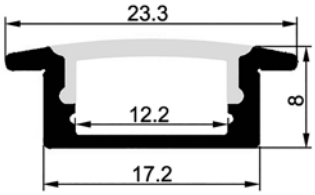






Type	Length m	Article no. alu	Article no. white	Article no. black
Aluminium profile 17/8	2	65505	65506	65502
Aluminium profile 17/8	3	65508	65509	65503
Aluminium profile 17/8K	2	65605	-	-
Aluminium profile 17/8K	3	65608	-	-
Cover clear	2	65597	-	-
Cover semi-frosted	2	65594	-	-
Cover opal white	2	65592	-	-
Cover clear	3	65577	-	-
Cover semi-frosted	3	65574	-	-
Cover opal white	3	65572	-	-
Accessories				
End cap in-feeder		65548	65546	65544
End cap		65549	65547	65545
End cap in-feeder collar		65648	-	-
End cap collar		65649	-	-
Mounting clamp - metal		65540	-	-
Mounting clamp - plastic white		65541	-	-





U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 17/15 and collar profile 17/15K

NEW

Standard aluminium profile in alu, white (RAL9016) and black (RAL9005), internal size for strips up to a width of 12.2 mm

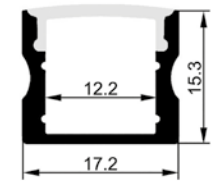
- new slightly arched cover with optimized, optical properties
- available in clear, semi-frosted and opal white
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front

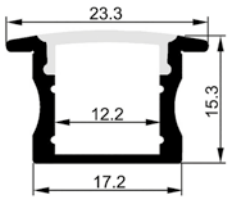







Type	Length m	Article no. Alu	Article no. white	Article no. black
Aluminium profile 17/15	2	65515	65516	65512
Aluminium profile 17/15	3	65518	65519	65513
Aluminium profile 17/15K	2	65615	-	-
Aluminium profile 17/15K	3	65618	-	-
Cover clear	2	65597	-	-
Cover semi-frosted	2	65594	-	-
Cover opal white	2	65592	-	-
Cover clear	3	65577	-	-
Cover semi-frosted	3	65574	-	-
Cover opal white	3	65572	-	-
Accessories				
End cap in-feeder		65538	65536	65534
End cap		65539	65537	65535
End cap in-feeder collar		65658	-	-
End cap collar		65659	-	-
Mounting clamp - metal		65530	-	-
Mounting clamp - plastic white		65531	-	-
Mounting clamp - metal with retention spring		68592	-	-





Aluminium profile 18/6B

Flexible aluminium profile, internal size for strips up to a width of 10 mm

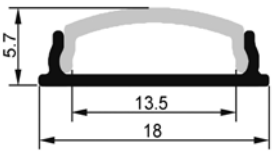
NEW

- arched cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- minimum bending diameter: 30.48 cm
- cover can be easily fitted and dismantled by clicking in at the front









Type	Length m	Article no.
Aluminium profile 18/6B	2	65205
Cover, arched, frosted	2	65528
Accessories		
End cap in-feeder		65218
End cap		65219
Mounting clamp - metal		65210

U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 18/10

NEW

Aluminium profile without sidewall, internal size for strips up to a width of 11 mm

- semicircular and high cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front





Type	Length m	Article no.
Aluminium profile 18/10	2	68477
Cover frosted, semicircular	2	68891
Cover frosted, high	2	68892
Accessories		
End cap, in-feeder, semicircular		68756
End cap, semicircular		68757
End cap, in-feeder, high		68758
End cap, high		68759
Mounting clamp - alu		68478

Aluminium profile 18/12

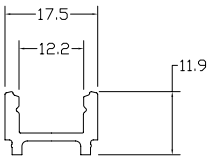
NEW

Small aluminium profile, internal size for strips up to a width of 12.2 mm

- frosted cover for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Type	Length m	Article no.
Aluminium profile 18/12	2	68475
Cover frosted	2	68598
Blind cover, black	2	68111
Accessories		
End cap in-feeder		68753
End cap		68754
Mounting clamp - alu		68478





Collar profile 19/13KA

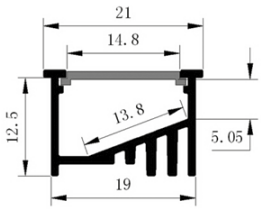
NEW

Asymmetrical collar profile, internal size for strips up to a width of 13 mm

- flat cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front







Type	Length m	Article no.
Aluminium profile 19/13KA	2	69635
Cover frosted	2	69628
Accessories		
End cap in-feeder		69668
End cap		69669
Mounting clamp - metal		69430

U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 20/11

High cover, usable as pendant luminaires, internal size for strips up to a width of 16 mm

NEW

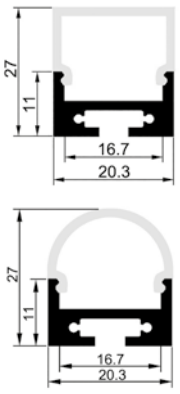
- internal size suitable for VARDAflex in-feeder and direct connector
- arched and rectangular cover, frosted, for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front

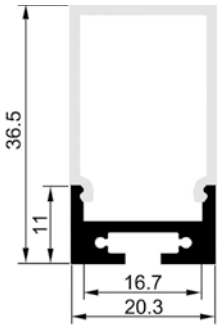






Type	Length m	Article no.
Aluminium profile 20/11	2	65105
Cover, arched H27, frosted	2	65189
Cover, H27, frosted	2	65188
Cover, H37, frosted	2	65181
Accessories		
End cap in-feeder, arched		65178
End cap, arched		65179
End cap in-feeder H27		65198
End cap H27		65199
End cap in-feeder H37		65168
End cap H37		65169
Mounting clamp - metal		65190
Suspended wire		65191



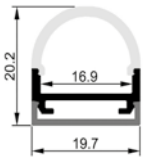


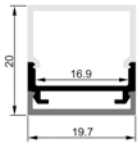
Aluminium profile 20/15

Aluminium profile including mounting rail and high covers, internal size for strips up to a width of 16 mm

NEW

- internal size suitable for VARDAflex in-feeder and direct connector
- arched and rectangular cover, frosted, for a homogeneous lighting
- available in frosted
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front







Type	Length m	Article no.
Aluminium profile 20/15	2	65305
Cover, semicircular H20, frosted	2	65349
Cover, H20, frosted	2	65348
Accessories		
End cap in-feeder semicircular H20		65368
End cap semicircular H20		65369
End cap in-feeder H20		65398
End cap H20		65399
Mounting profile - metal	2	65390

U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 23/12 and collar profile 23/12K

Standard aluminium profile, wide selection of covers and mounting clamps, internal size for strips up to a width of 18.2 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- many different covers
- available in slightly arched clear, semi-frosted, frosted, flat frosted, PMMA, semicircular, elevated, blind cover, lenses 15, 30 and 60°
- covering material: polycarbonate und PMMA
- cover can be easily fitted and dismantled by clicking in at the front

Type	Length m	Article no.
Aluminium profile 23/12	2	68405
Aluminium profile 23/12	3	68408
Aluminium profile 23/12K	2	68425
Cover clear	2	68897
Cover semi-frosted	2	68894
Cover frosted	2	68898
Cover frosted	3	68888
Cover frosted, flat	2	68893
Cover frosted, PMMA	2	68760
Cover frosted, semicircular	2	68891
Cover frosted, high	2	68892
Cover lens 15° NEW	2	68872
Cover lens 30° NEW	2	68873
Cover lens 60° NEW	2	68874
Blind cover, black NEW	2	68871
Accessories		
End cap in-feeder		68487
End cap		68488
End cap in-feeder, high		68498
End cap, high		68497
End cap in-feeder, semicircular		68496
End cap, semicircular		68495
End cap in-feeder collar NEW		68067
End cap collar NEW		68068
Mounting clamp ceiling mounting, alu		68489
Mounting clamp, alu		68490
Mounting clamp, Z-form for cabinet mounting, alu		68499
Mounting clamp corner 30 and 60°, alu		68479



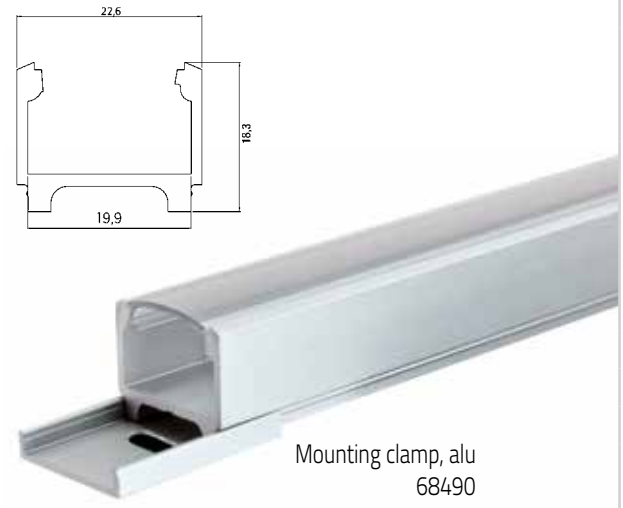
Mounting clamp, alu
68490

Aluminium profile 23/18 and collar profile 23/18K

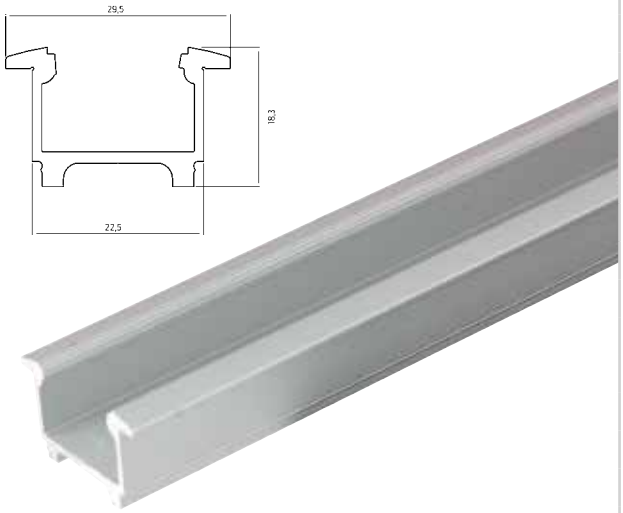
Standard aluminium profile, wide selection of covers and mounting clamps, internal size for strips up to a width of 18.2 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- many different covers
- available in slightly arched clear, semi-frosted, frosted, flat frosted, PMMA, semicircular, elevated, blind cover, lenses 15, 30 and 60°
- covering material: polycarbonate und PMMA
- cover can be easily fitted and dismantled by clicking in at the front

Type	Length m	Article no.
Aluminium profile 23/18	2	68415
Aluminium profile 23/18	3	68418
Aluminium profile 23/18K	2	68435
Cover clear	2	68897
Cover semi-frosted	2	68894
Cover frosted	2	68898
Cover frosted	3	68888
Cover frosted flat	2	68893
Cover frosted, PMMA	2	68760
Cover frosted, semicircular	2	68891
Cover frosted, high	2	68892
Cover lens 15° NEW	2	68872
Cover lens 30° NEW	2	68873
Cover lens 60° NEW	2	68874
Blind cover, black NEW	2	68871
Accessories		
End cap in-feeder		68482
End cap		68483
End cap in-feeder, high		68494
End cap, high		68493
End cap in-feeder, semicircular		68492
End cap, semicircular		68491
End cap in-feeder collar NEW		68077
End cap collar NEW		68078
Mounting clamp ceiling mounting, alu		68489
Mounting clamp, alu		68490
Mounting clamp, Z-form for cabinet mounting, alu		68499
Mounting clamp corner 30 and 60°, alu		68479



Mounting clamp, alu
68490



U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 30/32

NEW

Reflector aluminium profile for clicking, internal size for strips up to a width of 13 mm

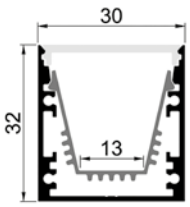
- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Reflector aluminium profile for clicking



Type	Length m	Article no.
Aluminium profile 30/32	2	65465
Reflector aluminium profile for clicking	2	65752
Cover frosted	2	65768
Accessories		
End cap		65758



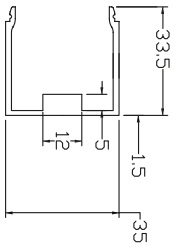
Aluminium profile 35/33

NEW

Large aluminium profile, internal size for strips up to a width of 12 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- flat, overlapping cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front

Type	Length m	Article no.
Aluminium profile 35/33	2	68465
Aluminium profile 35/33	3	68468
Cover frosted	2	68765
Cover frosted	3	68768
Accessories		
End cap in-feeder		68751
End cap		68752





Aluminium profile 35/35 and collar profile 35/35K

NEW

Usable as pendant and recessed luminaires, internal size for strips up to a width of 30 mm

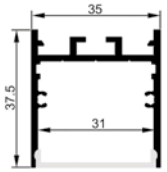
- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover
- available in clear, semi-frosted and opal white
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front

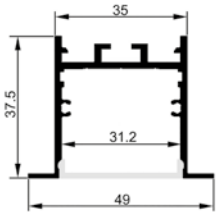












Type	Länge m	Article no. alu	Article no. white
Aluminium profile 35/35	2	65935	65936
Aluminium profile 35/35	3	65938	65939
Aluminium profile 35/35K	2	65925	65926
Aluminium profile 35/35K	3	65928	
Cover clear	2	65997	
Cover semi-frosted	2	65994	
Cover opal white	2	65992	
Cover clear	3	65987	
Cover semi-frosted	3	65984	
Cover opal white	3	65982	
Accessories			
End cap		65978	65976
End cap collar		65968	65966
Mounting clamp		65970	
Mounting clamp with struts		65960	
Suspended wire		65973	

U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 39/9F

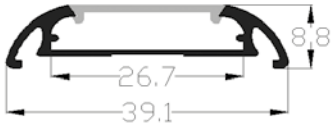
NEW

Flat aluminium profile, usable as furniture luminaires, internal size for strips up to a width of 26 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front







Type	Length m	Article no.
Aluminium profile 39/9F	2	69205
Cover frosted	2	69298
Accessories		
End cap in-feeder		69218
End cap		69219
Mounting clamp - metal		69210

Aluminium profile 50/35 and collar profile 50/35K

NEW

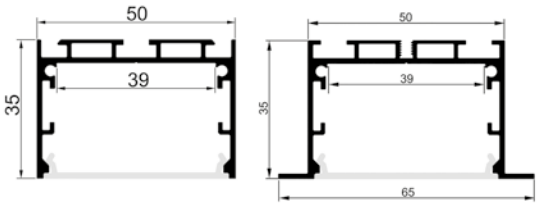
Usable as pendant and recessed luminaires, internal size for strips up to a width of 39 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover, frosted
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front









Type	Length m	Article no.
Aluminium profile 50/35	2	65735
Aluminium profile 50/35K	2	65835
Cover frosted	2	65958
Accessories		
End cap		65948
End cap collar		65868
Mounting clamp		65940
Mounting clamp with struts		65860
Suspended wire		65941

U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 50/75

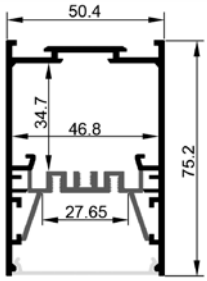
NEW

Reflector aluminium profile for clicking, usable as pendant luminaires, internal size for strips up to a width of 18 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front







Type	Length m	Article no.
Aluminium profile 50/75	2	65715
Reflector aluminium profile for clicking	2	65772
Cover frosted	2	65798
Accessories		
End cap		65779
Mounting clamp		65770
Internal mounting clamp		65771
Suspended wire		65773

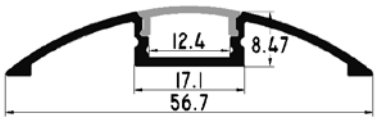
Aluminium profile 57/9F

NEW

Flat aluminium profile, usable as floor profile, internal size for strips up to a width of 12.2 mm

- flat cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front





Type	Length m	Article no.
Aluminium profile 57/9F	2	69705
Cover frosted	2	69048
Accessories		
End cap in-feeder		69798
End cap		69799

U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 75/35 and collar profile 75/35K

NEW

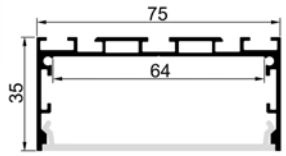
Usable as pendant and recessed luminaires, internal size for strips up to a width of 64 mm

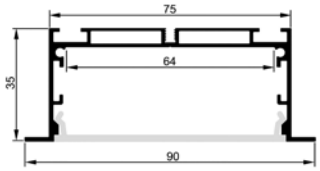
- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover, frosted
- available in frosted
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front











Type	Length m	Article no.
Aluminium profile 75/35	2	65745
Aluminium profile 75/35K	2	65845
Cover frosted	2	65918
Accessories		
End cap		65908
End cap collar		65878
Mounting clamp		65900
Mounting clamp with struts		65870
Suspended wire		65941

Aluminium profile 75/78

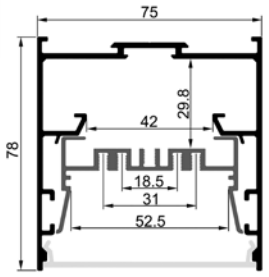
NEW

Reflector aluminium profile for clicking, usable as pendant luminaires, internal size for strips up to a width of 42 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front







Type	Length m	Article no.
Aluminium profile 75/78	2	65725
Reflector profile for clicking	2	65882
Cover frosted	2	65895
Accessories		
End cap		65889
Mounting clamp		65880
Internal mounting clamp		65883
Suspended wire		65881

U- / Collar profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium collar profile 102/35K

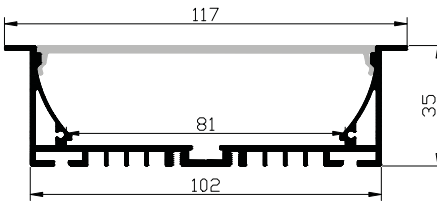
Usable as recessed luminaires, internal size for strips up to a width of 80 mm

NEW

- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover, frosted for a homogeneous lighting
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front







Type	Length m	Article no.
Aluminium profile 102/35K	2	69845
Cover frosted	2	69918
Accessories		
End cap collar		69879
Mounting clamp with struts		69870

Corner profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium corner profile 16/16E

Small corner profile, internal size for strips up to a width of 11 mm

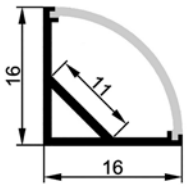
NEW

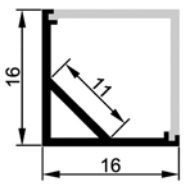
- circular and corner 90° cover
- available in opal white
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front











Type	Length m	Article no.
Aluminium profile 16/16E	2	65625
Cover circular opal white	2	65672
Cover corner 90° opal white	2	65673
Accessories		
End cap in-feeder for 65625 + 65672		65688
End cap für 65625 + 65672		65689
End cap in-feeder for 65625 + 65673		65788
End cap for 65625 + 65673		65789
Mounting clamp		65680

Corner profiles

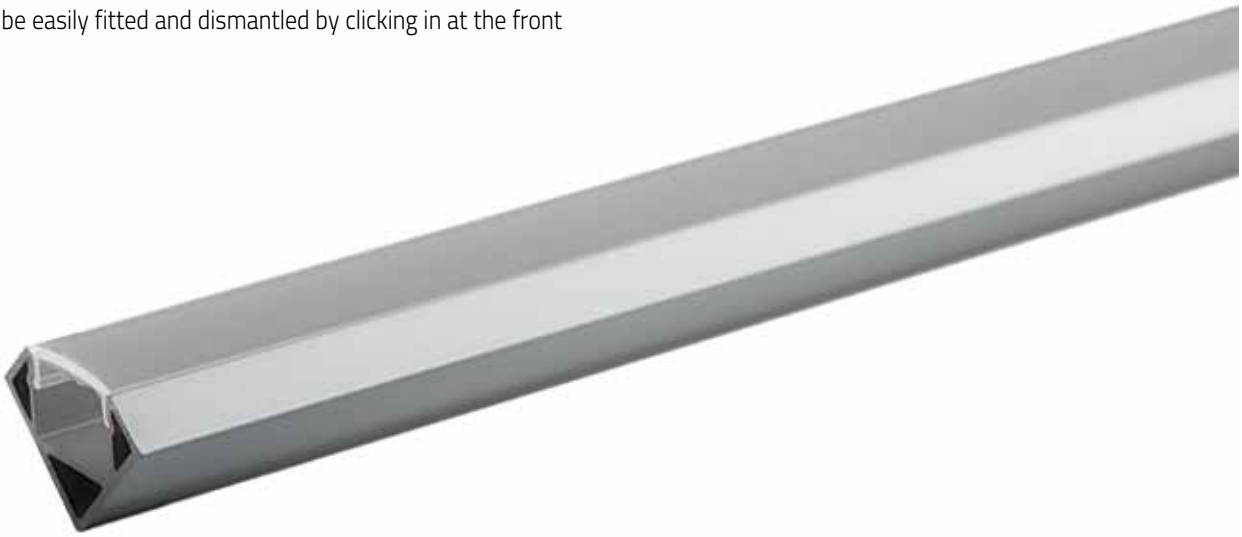
- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium corner profile 18/18E

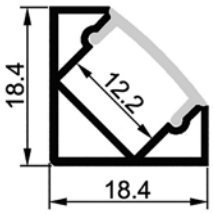
NEW

Corner profile, internal size for strips up to a width of 12.2 mm

- flat cover, clear
- available in clear, semi-frosted and opal white
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front







Type	Length m	Article no. alu	Article no. white	Article no. black
Aluminium profile 18/18E	2	65635	65636	65632
Aluminium profile 18/18E	3	65638	65639	65633
Cover clear	2	65597	-	-
Cover semi-frosted	2	65594	-	-
Cover opal white	2	65592	-	-
Cover clear	3	65577	-	-
Cover semi-frosted	3	65574	-	-
Cover opal white	3	65572	-	-
Accessories				
End cap in-feeder		65668	65666	65664
End cap		65669	65667	65665
Mounting clamp - metal		65480	-	-
Mounting clamp - PC		65481	-	-

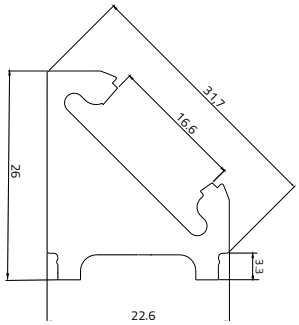
Aluminium corner profile 22/22E

Corner profile, internal size for strips up to a width of 18.2 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- large variety of different covers
- available in clear, semi-frosted, frosted, flat frosted, PMMA, blind cover, lens 15, 30 and 60°
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



68490
Mounting clamp, alu



Type		Length m	Article no.
Aluminium profile 22/22E		2	68455
Cover clear		2	68897
Cover semi-frosted		2	68894
Cover frosted		2	68898
Cover frosted flat		2	68893
Cover frosted, PMMA		2	68760
Cover lens 15°	NEW	2	68872
Cover lens 30°	NEW	2	68873
Cover lens 60°	NEW	2	68874
Blind cover, black	NEW	2	68871
Accessories			
End cap in-feeder			68480
End cap			68481
Mounting clamp ceiling mounting, alu			68489
Mounting clamp, alu			68490
Mounting clamp, Z-form for cabinet mounting, alu			68499
Mounting clamp corner 30 and 60°, alu			68479

Corner profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium corner profile 30/30E

NEW

Corner profile, internal size for strips up to a width of 20 mm

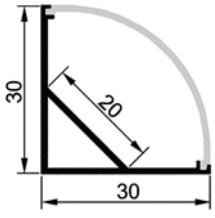
- internal size suitable for VARDAflex in-feeder and direct connector
- circular and corner 90° cover
- available in opal white
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front

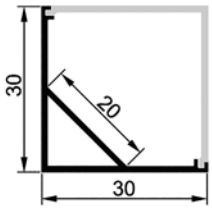












Type	Length m	Article no.
Aluminium profile 30/30E	2	65655
Cover circular opal white	2	65312
Cover corner 90° opal white	2	65322
Accessories		
End cap in-feeder. circular		65818
End cap, circular		65819
End cap in-feeder Eck90°		65828
End cap Eck90°		65829
Mounting clamp - metal		65810

Ceiling and pendant profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium circular profile D21R

NEW

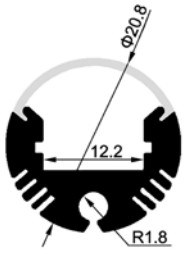
Ceiling and pendant profiles, internal size for strips up to a width of 12.2 mm

- arched cover
- available in clear, semi-frosted and opal white
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front









Type	Length m	Article no.
Aluminium circular profile D21R	2	65145
Cover clear	2	65137
Cover semi-frosted	2	65134
Cover opal white	2	65132
Accessories		
End cap in-feeder		65128
End cap		65129
Mounting clamp wall - metal		65120
Suspended wire		65121

Ceiling and pendant profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately



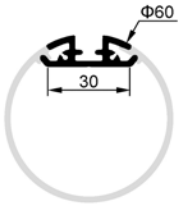
Aluminium circular profile D60R

Large circular profile, usable as pendant luminaires, internal size for strips up to a width of 30 mm

NEW

- internal size suitable for VARDAflex in-feeder and direct connector
- circular cover
- available in opal white
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front

Type	Length m	Article no.
Aluminium circular profile D60R	1,5	65225
Cover opal white	1,5	65272
Accessories		
End cap		65288
Suspended wire		65281



Aluminium profile 93/59

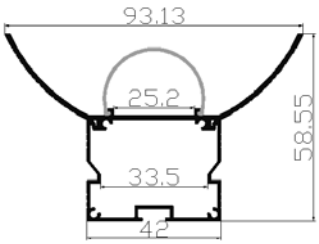
NEW

Large luminaire profile, with huge reflector, usable as pendant luminaires, internal size for strips up to a width of 25 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- semicircular cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front

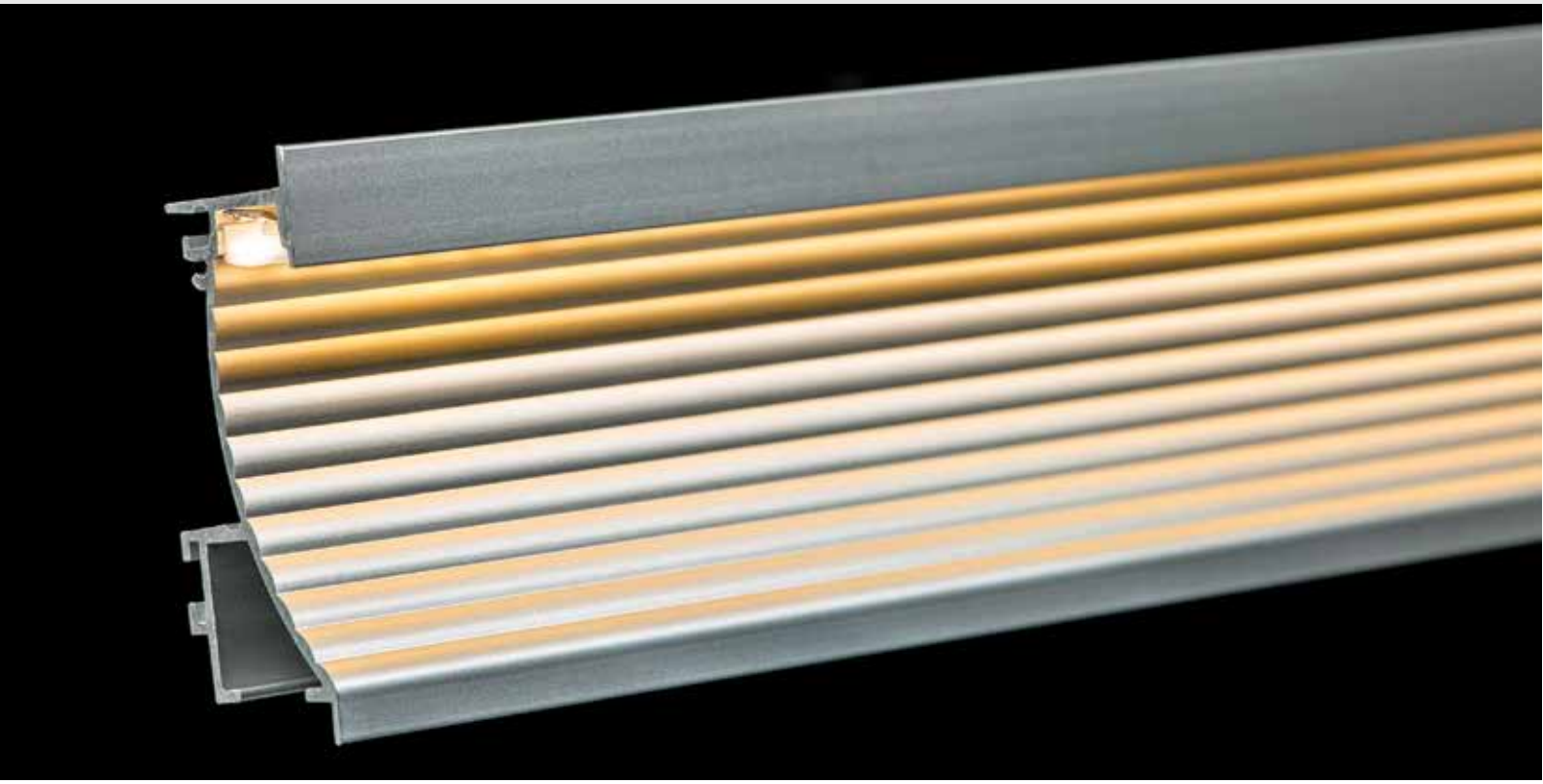


Type	Length m	Article no.
Aluminium profile 93/59	2	69145
Reflector aluminium profile	2	69149
Cover frosted	2	69138
Accessories		
End cap in-feeder		69128
End cap		69129
Suspended wire		69121
Clip		69120



Wall profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

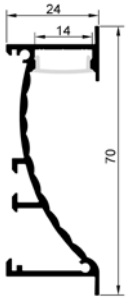


Aluminium wall profile 26/70W

NEW

Wall recessed profile including waved reflector for indirect lighting, internal size for strips up to a width of 12.2 mm

- slightly arched cover
- available in clear and opal white
- covering material: PMMA
- cover can be easily fitted and dismantled by clicking in at the front





Type	Length m	Article no.
Wall recessed profile 26/70W	2	65095
Cover clear	2	65157
Cover opal white	2	65152
Accessories		
End cap right		65118
End cap left		65119
Mounting springs - metal		65110

Aluminium wall profile 26/79W

NEW

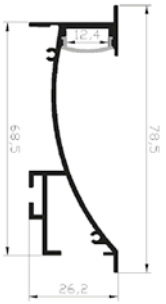
Wall recessed profile including smooth reflector for indirect lighting, internal size for strips up to a width of 12.2 mm

- slightly arched cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front





Type	Length m	Article no.
Wall recessed profile 26/79W	2	69095
Cover frosted	2	69038
Accessories		
End cap right		69118
End cap left		69119
Mounting springs - metal		69110

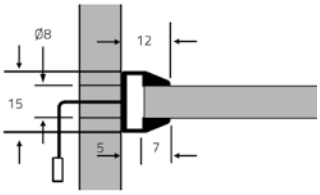


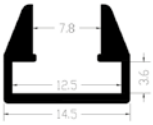
Aluminium profile 15/7G

NEW

Small aluminium profile for edge lighting of glass surfaces (thickness 8 mm), internal size for strips up to a width of 8 mm

- for indoor use
- material: aluminium anodised
- Delivery notice: Delivery without glass surfaces - please order separately







Type	Length m	Article no.
Aluminium profile 15/7G	2	69805

IP68 profiles

- for indoor and outdoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium profile 23/11 IP68 and collar profile 23/13K IP68

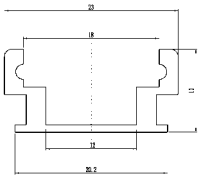
Outdoor profile, internal size for strips up to a width of 12 mm

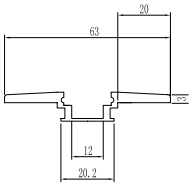
- flat cover
- available in clear and frosted
- covering material: PMMA





68128
Fastening rail, alu



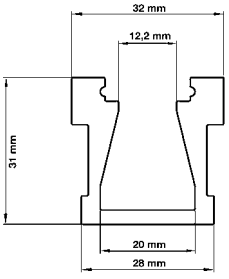


Type	Length m	Article no.
Aluminium profile 23/11 IP68	2	68125
Aluminium profile 23/13K IP68	2	68225
Cover clear	2	68099
Cover frosted	2	68094
Accessories		
End cap in-feeder		68286
End cap		68285
End cap in-feeder collar		68284
End cap collar		68287
Fastening rail, alu		68128
Silicone, neutral cross-linked, 310 ml		89999

Aluminium profile 32/31 IP68

Outdoor profile, internal size for strips up to a width of 20 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover
- available in clear and frosted
- covering material: PMMA



Type	Length m	Article no.
Aluminium profile 32/31 IP68	2	68025
Cover clear	2	68099
Cover frosted	2	68094
Accessories		
End cap in-feeder		68786
End cap		68785
Fastening rail, alu		68028
Silicone, neutral cross-linked, 310 ml		89999

68028
Fastening rail, alu



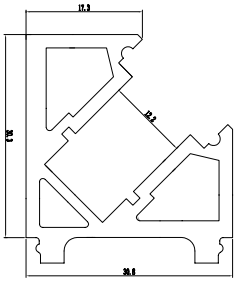
Aluminium profile 31/31E IP68

Outdoor profile, internal size for strips up to a width of 12.2 mm

- flat cover
- available in clear and frosted
- covering material: PMMA



Type	Length m	Article no.
Aluminium profile 31/31E IP68	2	68035
Cover clear	2	68099
Cover frosted	2	68094
Accessories		
End cap in-feeder		68784
End cap		68783
Fastening rail, alu		68038
Screws for fastening rail		68380
Silicone, neutral cross-linked, 310 ml		89999





Mounting single pieces of profiles up to a length of 2 metres (recommended)

1. Cut aluminium profile on size
2. Glue LED strip into the profile
3. Fit the LED strip in-feeder connector or connecting
4. Insert connecting line through feeding-in end caps
5. Clean the profile feeding-in side with surface cleaner (55317)
6. Clean feeding in end cap with surface cleaner (55317)
7. Insert silicone into the profile feeding-in side
8. Mount feeding-in end cap, insert silicone into leaks
9. Clean the connection side of the profile with surface cleaner (55317)
10. Clean end cap with surface cleaner (55317)
11. Insert silicone into the connection side of the profile
12. Mount end cap, insert silicone into leaks
13. Connecting LED strips with suitable devices like power supplies, actuators, dimmer, etc.
14. Function test
15. Cut cover on size
16. Clean the profile covering rail with surface cleaner (55317)
17. Clean cover with surface cleaner (55317)
18. Insert silicone into the profile covering rail
19. Allow expansion gaps with silicone between cover and end caps (approx. 5 mm) for material to work* (see to the right)
20. Install cover, insert silicone into leaks
21. Function test
22. Fit mounting rail on mounting surface
23. Allow to harden 48 hours needed for complete hardening at least
24. Insert profile into mounting rail
25. Finished

CAUTION!
Only use neutrally
cross-linked silicon (e.g. article no 89999).

*Materialextension due to temperature change

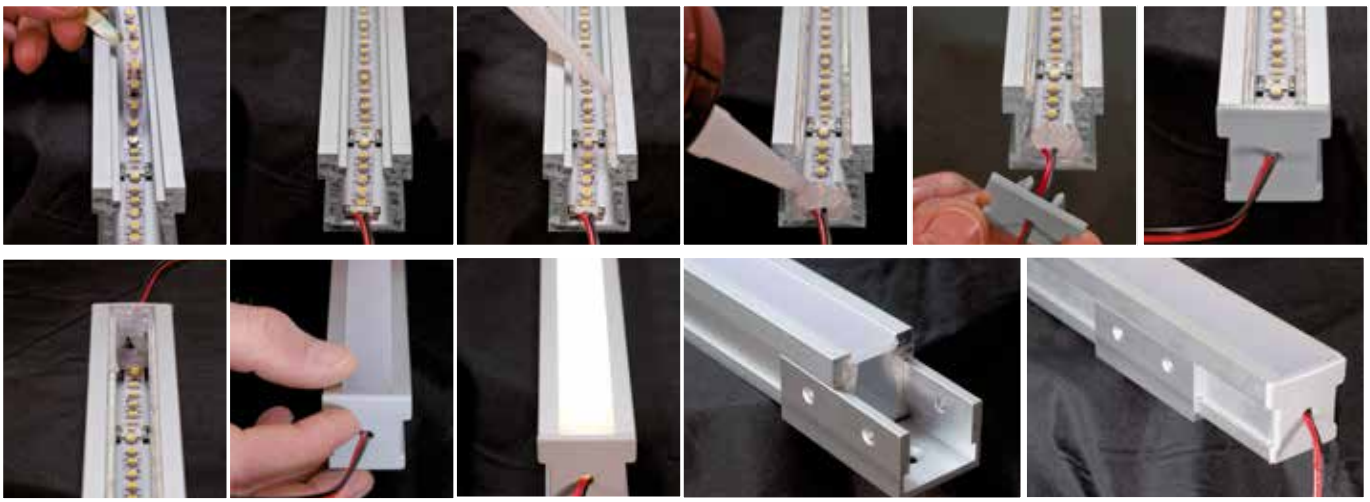
The change of materials, such as the expansion and contraction of materials, is dependent on the respective change in temperature.

For example, materials like aluminium and PMMA shows different strong expansions of the different materials caused by temperature changes.

Even with a temperature change of 20° C the expansion of these materials can reach up to 1,2 mm per metres.

This behavior is not based on a product defect - it is caused by an ordinary physical process!

For example, PMMA is able to expand up to 4 mm per metres caused by a temperature change from 0 up to 50° C.
We therefore recommend making a 5 mm expansion gap at each transition, whether from PMMA cover to PMMA cover or from PMMA cover to end caps.



Stair profiles

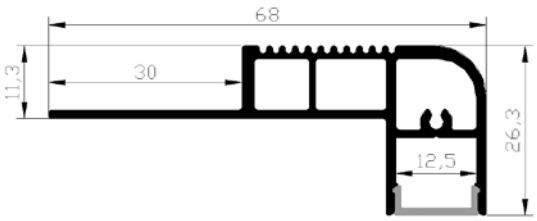
- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium stair profile Step1

NEW

Aluminium stair profile for indirect lighting, internal size for strips up to a width of 12.2 mm

- flat cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Type	Length m	Article no.
Aluminium stair profile Step1	2	69245
Cover frosted	2	69558
Accessories		
End cap left		69258
End cap right		69259

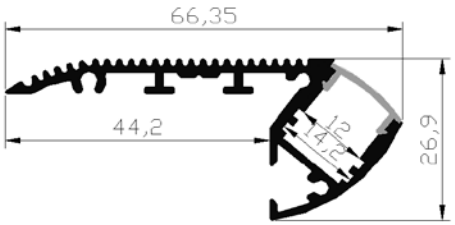


Aluminium stair profile Step2

NEW

Aluminium stair profile for direct lighting, internal size for strips up to a width of 12.2 mm

- flat cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Type	Length m	Article no.
Aluminium stair profile Step2	2	69235
Cover frosted	2	69028
Accessories		
End cap left		69268
End cap right		69269

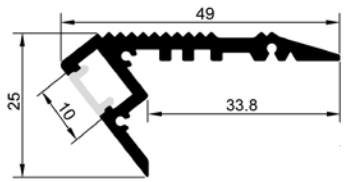


Aluminium stair profile Step3

NEW

Aluminium stair profile for indirect lighting, internal size for strips up to a width of 10 mm

- flat cover
- available in opal white
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Type	Length m	Article no.
Aluminium stair profile Step3	2	65235
Cover opal white	2	65702
Accessories		
End cap left		65268
End cap right		65269

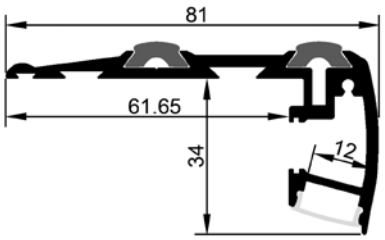


Aluminium stair profile Step4

NEW

Aluminium stair profile for indirect lighting, internal size for strips up to a width of 11 mm

- slightly arched cover
- available in opal white
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Type	Length m	Article no.
Aluminium stair profile Step4	2	65245
Cover opal white	2	65582
Antislip rubber	2	65581
Accessories		
End cap left		65258
End cap right		65259

Attention:
2 antislip rubber are necessary.



Flush-mounted profiles

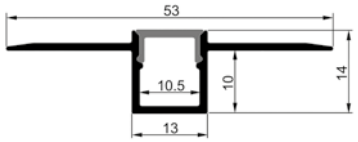
- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium flush-mounted profile 13/14U, 13/14UE1 and 2

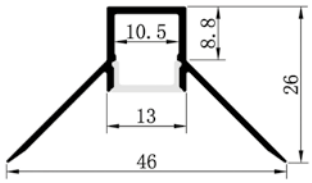
NEW

Aluminium flush-mounted profile for direct lighting, internal size for strips up to a width of 10 mm

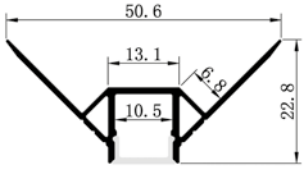
- flat cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



13/14U



13/14UE1



13/14UE2



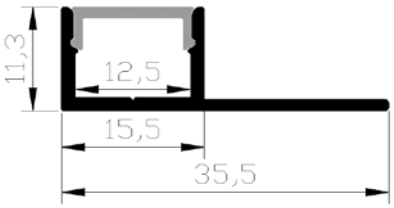
Type	Length m	Article no.
Aluminium profile 13/14U	2	65005
Aluminium profile 13/14UE1	2	65025
Aluminium profile 13/14UE2	2	65035
Cover frosted	2	65088
Accessories		
End cap in-feeder		65048
End cap		65049

Aluminium flush-mounted profile 16/11U

NEW

Aluminium flush-mounted profile for direct lighting, internal size for strips up to a width of 12.2 mm

- flat cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



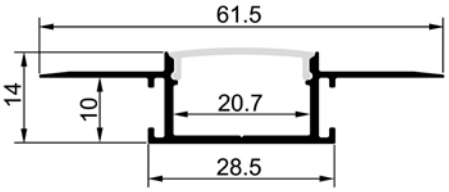
Type	Length m	Article no.
Aluminium profile 16/11U	2	69015
Cover frosted	2	69088
Accessories		
End cap in-feeder		69078
End cap		69079



Aluminium flush-mounted profile 29/14U

Aluminium flush-mounted profile for direct lighting, internal size for strips up to a width of 20.5 mm

- internal size suitable for VARDAflex in-feeder and direct connector
- flat cover
- available in frosted
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Type	Length m	Article no.
Aluminium profile 29/14U	2	65015
Cover frosted	2	65078
Accessories		
End cap in-feeder		65068
End cap		65069



Flush-mounted profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium flush-mounted profile 93/49U

NEW

Aluminium flush-mounted profile for indirect lighting, internal size for strips up to a width of 12.2 mm

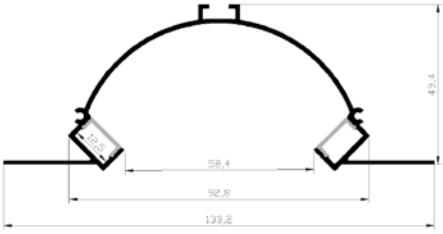
- flat cover
- available in clear
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front
- **Attention: Please order two covers per profile separately!**





Type	Length m	Article no.
Aluminium profile 93/49U	2	69225
Cover clear	2	69277
Accessories		
End cap		69289

Attention:
2 profile covers are necessary.



Clothes rail profiles

- for indoor use
- material: aluminium anodised
- delivery notice: Delivery without cover, end caps and mounting clamps - please order them separately

Aluminium clothes rail profile 15/30S

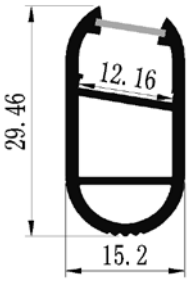
NEW

Aluminium clothes rail profile for direct lighting, internal size for strips up to a width of 12 mm

- flat cover
- available in opal white
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



Type	Length m	Article no.
Aluminium profile 15/30S	2	69535
Cover opal white	2	69572
Accessories		
Fastening wall - metal		69569
Fastening ceiling - metal		69560





Aluminium clothes rail profile 18/34S

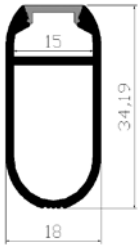
NEW

Aluminium clothes rail profile for direct lighting, internal size for strips up to a width of 15 mm

- flat cover
- available in opal white
- covering material: polycarbonate
- cover can be easily fitted and dismantled by clicking in at the front



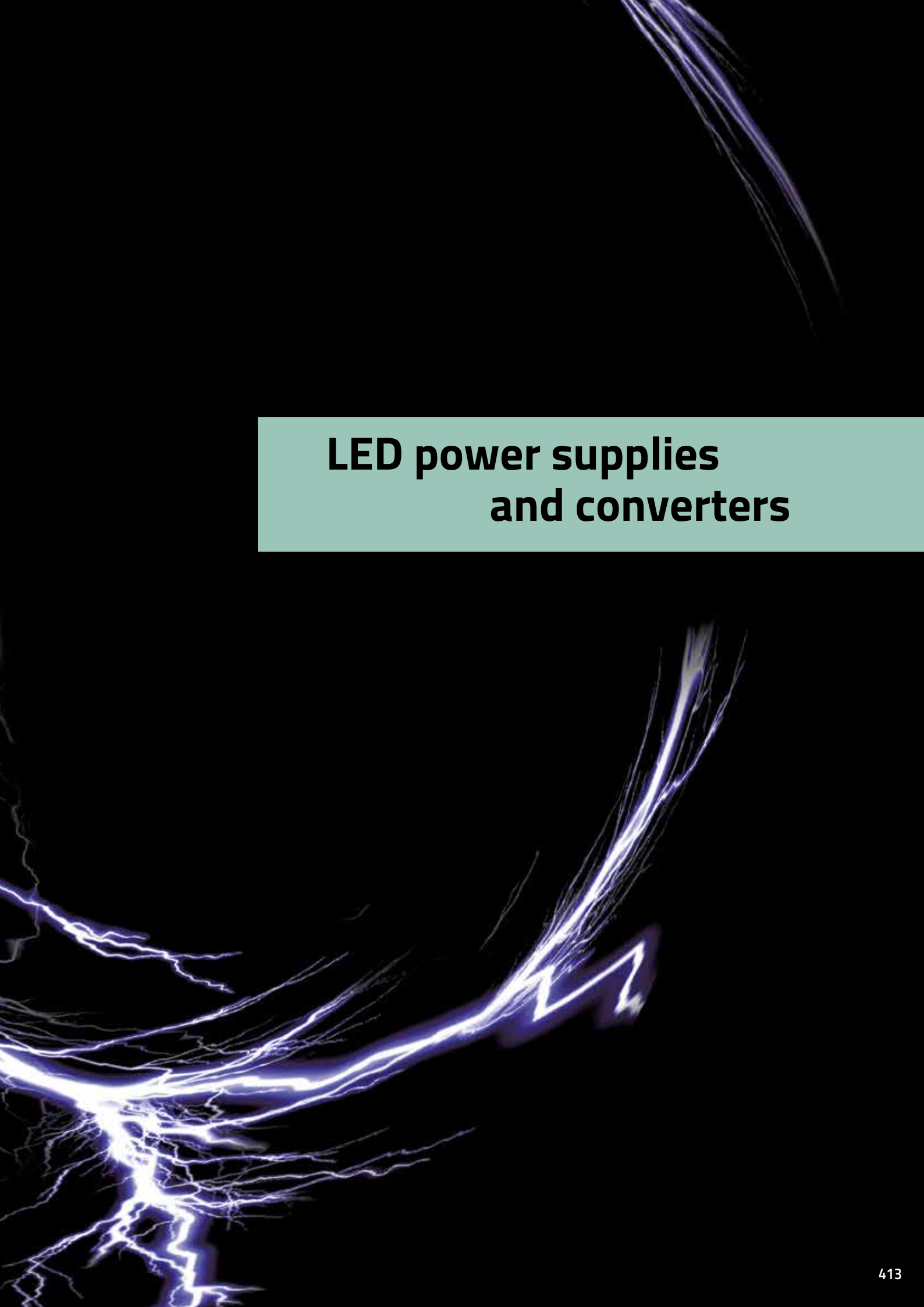
Type	Length m	Article no.
Aluminium profile 18/34S	2	69525
Cover opal white	2	69598
Accessories		
Fastening wall - metal		69589







LED power supplies and converters



LED power supplies
12 V or 24 V DC

			Article no.	85469	85984	85470	85071	85471	85461	85462	87494
			Volt V	12	12	12	12	12	12	12	12
			Watt W	12	25	36	50	60	58	99	120
			IP protection	IP64	IP 64	IP64	IP67	IP64	IP67	IP67	IP65
			Page	418	419	420	423	421	423	423	424
Type LED strip	**Volt V**	**Power W / m**	**max. per connetion (one-side)**								
1- colour / 2-colours											
VARDAflex Standard Eco Reach30	24	3	30								
VARDAflex Neon Piko	24	4.5	10								
VARDAflex Neon Piko Top	24	4.5	10								
VARDAflex	12	4.8	10	2.2 m	3.3 m	6.7 m	9.4 m	11.2 m	10.8 m	18.5 m	22.5 m
VARDAflex	24	4.8	10								
VARDAflex CRI95	12	4.8	10	2.2 m	3.3 m	6.7 m	9.4 m	11.2 m	10.8 m	18.5 m	22.5 m
VARDAflex CRI95	24	4.8	10								
VARDAflex Eco	24	4.8	10								
VARDAflex Infrared IR-940nm	12	4.8	10	2.2 m	3.3 m	6.7 m	9.4 m	11.2 m	10.8 m	18.5 m	22.5 m
VARDAflex Side Mini Plus	12	4.8	10	2.2 m	3.3 m	6.7 m	9.4 m	11.2 m	10.8 m	18.5 m	22.5 m
VARDAflex Nano IP66	24	4.8	10								
VARDAflex IP67	24	4.8	10								
VARDAflex Side Mini IP67	12	4.8	10	2.2 m	3.3 m	6.7 m	9.4 m	11.2 m	10.8 m	18.5 m	22.5 m
VARDAflex IP68	12	4.8	10	2.2 m	3.3 m	6.7 m	9.4 m	11.2 m	10.8 m	18.5 m	22.5 m
VARDAflex IP68	24	4.8	10								
VARDAflex Superior	24	4.8	10								
VARDAflex Superior Reach25	24	4.8	25								
VARDAflex Eco Reach20	24	5	20								
VARDAflex Neon Mini	24	5	15								
VARDAflex Outdoor	24	6	15								
VARDAflex Neon Color (red)	24	6.5	10								
VARDAflex Neon Tube Color (red)	24	6.5	10								
VARDAflex Side Mini IP67	12	7.2	10	1.5 m	2.2 m	4.5 m	6.2 m	7.5 m	7.2 m	12.3 m	15 m
VARDAflex Neon Top (amber, red)	24	7.2	10								
VARDAflex Plus	12	9.6	10	1.1 m	1.6 m	3.3 m	4.7 m	5.6 m	5.4 m	9.2 m	11.2 m
VARDAflex Plus	24	9.6	10								
VARDAflex Plus CRI90	24	9.6	10								
VARDAflex Plus Eco	24	9.6	10								
VARDAflex Select	12	9.6	10	1.1 m	1.6 m	3.3 m	4.7 m	5.6 m	5.4 m	9.2 m	11.2 m
VARDAflex Select	24	9.6	5								
VARDAflex Nano Plus IP66	24	9.6	10								
VARDAflex Plus IP67	24	9.6	10								
VARDAflex Side Mini IP67	12	9.6	10	1.1 m	1.6 m	3.3 m	4.7 m	5.6 m	5.4 m	9.2 m	11.2 m
VARDAflex Plus IP68	12	9.6	10	1.1 m	1.6 m	3.3 m	4.7 m	5.6 m	5.4 m	9.2 m	11.2 m
VARDAflex Plus Eco Reach15	24	10	15								
VARDAflex Slim	24	10	5								
VARDAflex Neon Color (blue, green)	24	10.6	10								
VARDAflex Neon Tube Color (blue, green)	24	10.6	10								
VARDAflex Neon Top	24	11	10								
VARDAflex Nova Plus	24	12	10								
VARDAflex Outdoor Plus	24	12	10								
VARDAflex Outdoor Plus Opal	24	12	10								
VARDAflex Neon	24	12	10								
VARDAflex Neon Tube	24	12	10								
VARDAflex Neon SVQ	24	12	10								
VARDAflex Black Plus Profi	24	14	5								
VARDAflex Quantum Plus Profi	24	14	5								
VARDAflex Plus Profi	12	14.4	10	0.75 m	1.3 m	2.25 m	3.1 m	3.75 m	3.63 m	6.19 m	7.5 m
VARDAflex Plus Profi	24	14.4	10								
VARDAflex Superior Plus Profi Reach10	24	14.4	10								
VARDAflex Mini Ultra	24	15	5								
VARDAflex Select-CRI	24	16.3	5								
VARDAflex Duo	24	17	5								
VARDAflex Mini Double	24	18	5								
VARDAflex Nova Double 2200 K	24	18	5								
VARDAflex Asymmetrical	24	19.2	5								
VARDAflex Double	12	19.2	8	0.5 m	0.8 m	1.6 m	2.3 m	2.8 m	2.7 m	4.6 m	5.6 m
VARDAflex Double	24	19.2	8								
VARDAflex Double CRI95	12	19.2	8	0.5 m	0.8 m	1.6 m	2.3 m	2.8 m	2.7 m	4.6 m	5.6 m
VARDAflex Double CRI95	24	19.2	8								
VARDAflex Double Select	24	19.2	5								
VARDAflex Nova Double	24	19.2	5								
VARDAflex Double Eco	24	19.2	5								
VARDAflex Para Eco	24	19.2	5								
VARDAflex Para UV black light	12	19.2	5	0.5 m	0.8 m	1.6 m	2.3 m	2.8 m	2.7 m	4.6 m	5.6 m

85463	87463	85464	85459	85475	85076	85476	85451	85477	85452	85453	85455	87456	87457
12	12	12	24	24	24	24	24	24	24	24	24	24	24
132	150	160	12	36	15-50	60	75	100	100	151	200	320	600
IP67	IP65	IP67	IP64	IP64	IP67	IP64	IP67	IP64	IP67	IP67	IP67	IP65	IP67
423	424	423	418	420	423	421	423	422	423	423	423	424	424
			3.6 m	10.8 m	15 m	18 m	22.5 m	30 m	30 m	45.3 m	60 m	96 m	180 m
			2.4 m	7.2 m	10 m	12 m	15 m	20 m	20 m	30.2 m	40 m	64 m	120 m
			2.4 m	7.2 m	10 m	12 m	15 m	20 m	20 m	30.2 m	40 m	64 m	120 m
24.7 m	28.1 m	30 m											
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
24.7 m	28.1 m	30 m											
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
24.7 m	28.1 m	30 m											
24.7 m	28.1 m	30 m											
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
24.7 m	28.1 m	30 m											
24.7 m	28.1 m	30 m											
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
			2.2 m	6.7 m	9.3 m	11.2 m	14 m	18.7 m	18.7 m	28.3 m	37.5 m	60 m	112.5 m
			2.1 m	6.4 m	9 m	10.8 m	13.5 m	18 m	18 m	27.1 m	36 m	57.6 m	108 m
			2.1 m	6.4 m	9 m	10.8 m	13.5 m	18 m	18 m	27.1 m	36 m	57.6 m	108 m
			1.8 m	5.4 m	7.5 m	9 m	11.2 m	15 m	15 m	22.6 m	30 m	48 m	90 m
			1.6 m	5 m	6.9 m	8.3 m	10.4 m	13.8 m	13.8 m	20.9 m	27.6 m	44.3 m	83 m
			1.6 m	5 m	6.9 m	8.3 m	10.4 m	13.8 m	13.8 m	20.9 m	27.6 m	44.3 m	83 m
16.5 m	18.7 m	20 m											
			1.5 m	4.5 m	6.2 m	7.5 m	9.3 m	12.5 m	12.5 m	18.8 m	25 m	40 m	75 m
12.3 m	14 m	15 m											
			1.1 m	3.3 m	4.6 m	5.6 m	7 m	9.3 m	9.3 m	14.1 m	18.7 m	30 m	56.2 m
			1.1 m	3.3 m	4.6 m	5.6 m	7 m	9.3 m	9.3 m	14.1 m	18.7 m	30 m	56.2 m
			1.1 m	3.3 m	4.6 m	5.6 m	7 m	9.3 m	9.3 m	14.1 m	18.7 m	30 m	56.2 m
12.3 m	14 m	15 m											
			1.1 m	3.3 m	4.6 m	5.6 m	7 m	9.3 m	9.3 m	14.1 m	18.7 m	30 m	56.2 m
			1.1 m	3.3 m	4.6 m	5.6 m	7 m	9.3 m	9.3 m	14.1 m	18.7 m	30 m	56.2 m
			1.1 m	3.3 m	4.6 m	5.6 m	7 m	9.3 m	9.3 m	14.1 m	18.7 m	30 m	56.2 m
12.3 m	14 m	15 m											
12.3 m	14 m	15 m											
			1 m	3.2 m	4.5 m	5.4 m	6.7 m	9 m	9 m	13.5 m	18 m	28.8 m	54 m
			1 m	3.2 m	4.5 m	5.4 m	6.7 m	9 m	9 m	13.5 m	18 m	28.8 m	54 m
			1 m	3 m	4.2 m	5.1 m	6.3 m	8.5 m	8.5 m	12.8 m	16.9 m	27.1 m	50.9 m
			1 m	3 m	4.2 m	5.1 m	6.3 m	8.5 m	8.5 m	12.8 m	16.9 m	27.1 m	50.9 m
			1 m	2.9 m	4 m	4.9 m	6.1 m	8.2 m	8.2 m	12.3 m	16.3 m	26.2 m	49.1 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.7 m	2.3 m	3.2 m	3.8 m	4.8 m	6.4 m	6.4 m	9.7 m	12.8 m	20.5 m	38.5 m
			0.7 m	2.3 m	3.2 m	3.8 m	4.8 m	6.4 m	6.4 m	9.7 m	12.8 m	20.5 m	38.5 m
8.25 m	9.4 m	10 m											
			0.7 m	2.2 m	3.1 m	3.7 m	4.6 m	6.2 m	6.2 m	9.4 m	12.5 m	20 m	37.5 m
			0.7 m	2.2 m	3.1 m	3.7 m	4.6 m	6.2 m	6.2 m	9.4 m	12.5 m	20 m	37.5 m
			0.7 m	2.1 m	3 m	3.6 m	4.5 m	6 m	6 m	9.0 m	12 m	19.2 m	36 m
			0.6 m	1.9 m	2.7 m	3.3 m	4.1 m	5.5 m	5.5 m	8.3 m	11 m	17.6 m	33.1 m
			0.6 m	1.9 m	2.6 m	3.1 m	3.9 m	5.2 m	5.2 m	7.9 m	10.5 m	16.9 m	31.7 m
			0.6 m	1.8 m	2.5 m	3 m	3.7 m	5 m	5 m	7.5 m	10 m	16 m	30 m
			0.6 m	1.8 m	2.5 m	3 m	3.7 m	5 m	5 m	7.5 m	10 m	16 m	30 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28.1 m
6.1 m	7 m	7.5 m											
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28.1 m
6.1 m	7 m	7.5 m											
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28.1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28.1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28.1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28.1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28.1 m
6.1 m	7 m	7.5 m											

LED power supplies
12 V or 24 V DC

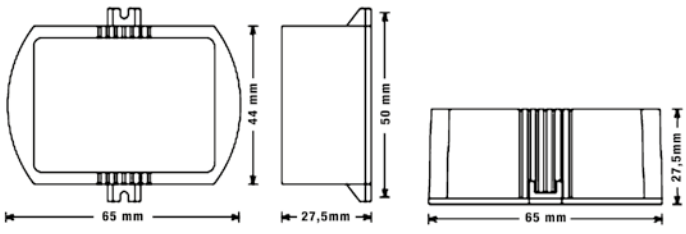
			Article no.	85469	85984	85470	85071	85471	85461	85462	87494
			Volt V	12	12	12	12	12	12	12	12
			Watt W	12	25	36	50	60	58	99	120
			IP protection	IP64	IP 64	IP64	IP67	IP64	IP67	IP67	IP65
			Page	418	419	420	423	421	423	423	424
Type LED strip	**Volt V**	**Power W / m**	**max. per connetion (one-side)**								
VARDAflex Side Mini Double	24	19.2	5								
VARDAflex Nano Double IP66	24	19.2	5								
VARDAflex Ultra	24	19.8	3								
VARDAflex Double Select Eco	24	21	5								
VARDAflex Single Select	24	21	5								
VARDAflex Single	24	21	5								
VARDAflex Quantum Ultra	24	22	5								
VARDAflex Quantum Triple	24	23	5								
VARDAflex Surround	24	23.04	5								
VARDAflex Grow	24	24	5								
VARDAflex Nova Triple	24	24	5								
VARDAflex Nova Ultra	24	24	5								
VARDAflex Triple	12	24.5	3	0.44 m	0.9 m	1.3 m	1.8 m	2.2 m	2.1 m	3.6 m	4.4 m
VARDAflex High Eco	12	28.8	3	0.38 m	0.56 m	1.13 m	1.5 m	1.9 m	1.81 m	3.09 m	4.13 m
VARDAflex Ultra Select	24	28.8	3								
VARDAflex High Performance	24	36	2								
VARDAflex Para3	24	40	5								
VARDAflex Supra	24	42	3								
VARDAflex Para Supra Eco	24	47	3								
VARDAflex Para3 Superior	24	52.8	3								
3- colours to 5-colours											
VARDAflex Outdoor RGB	24	6	15								
VARDAflex RGB	12	7.2	10	1.5 m	2.2 m	4.5 m	6.2 m	7.5 m	7.2 m	12.3 m	15 m
VARDAflex RGB	24	7.2	10								
VARDAflex RGB IP68	12	7.2	10	1.5 m	2.2 m	4.5 m	6.2 m	7.5 m	7.2 m	12.3 m	15 m
VARDAflex RGB+WW	24	9.6	5								
VARDAflex Outdoor RGB Double	24	12	10								
VARDAflex Outdoor RGB Intelligence Eight	24	12	10								
VARDAflex Neon RGB	24	12	10								
VARDAflex Neon RGB Intelligence	24	12	10								
VARDAflex Neon Tube RGB	24	12	10								
VARDAflex Neon Top RGB	24	12	5								
VARDAflex RGB Double	24	14.4	8								
VARDAflex RGB Side Single	12	14.4	5	0.75 m	1.3 m	2.25 m	3.1 m	3.75 m	3.63 m	6.19 m	7.5 m
VARDAflex Nova RGB	24	14.4	5								
VARDAflex Nano Double RGB IP66	24	14.4	5								
VARDAflex RGB Double IP68	12	14.4	8	0.75 m	1.3 m	2.25 m	3.1 m	3.75 m	3.63 m	6.19 m	7.5 m
VARDAflex RGB Double IP68	24	14.4	8								
VARDAflex Outdoor RGBW Intelligence Eight	24	15	5								
VARDAflex Neon RGBW	24	15	5								
VARDAflex Neon RGBW Intelligence Eight	24	15	5								
VARDAflex Double RGB+W+A	24	19.2	3								
VARDAflex RGB+W+A	24	19.2	5								
VARDAflex Nova RGB Double	24	19.2	5								
VARDAflex 4inOne-60	24	19.2	5								
VARDAflex Nano RGBW (one chip) IP66	24	19.2	2								
VARDAflex Neon Top RGBW Intelligence Twelve	24	22	5								
VARDAflex RGB Ultra	24	23	5								
VARDAflex 5inOne-60	24	24	5								
VARDAflex 5inOne-96	24	25	5								
VARDAflex RGB+W+WW	24	26	5								
VARDAflex 4inOne-84	24	27	5								
VARDAflex RGB Para	24	28	5								
VARDAflex RGB+W+WW	24	28.8	3								
VARDAflex RGB Side Ultra	24	32	5								
Type luminaires											
Uinen recessed/surface-mounted spotlight	24	1.5									
LARA round/LARA 316 IP55	12	2.8		3 pieces	8 pieces	11 pieces	16 pieces	19 pieces	18 pieces	31 piece	38 pieces
LARA square	12	2.5		4 pieces	9 pieces	12 pieces	18 pieces	21 piece	20 pieces	35 pieces	43 pieces
LARA square 2er	12	5		2 pieces	4 pieces	6 pieces	9 pieces	10 pieces	10 pieces	17 pieces	21 piece
LARA square 3er	12	7.5		1 piece	3 pieces	4 pieces	6 pieces	7 pieces	6 pieces	11 pieces	14 pieces

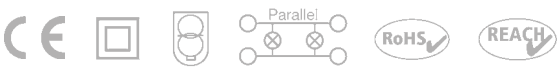
85463	87463	85464	85459	85475	85076	85476	85451	85477	85452	85453	85455	87456	87457
12	12	12	24	24	24	24	24	24	24	24	24	24	24
132	150	160	12	36	15-50	60	75	100	100	151	200	320	600
IP67	IP65	IP67	IP64	IP64	IP67	IP64	IP67	IP64	IP67	IP67	IP67	IP65	IP67
423	424	423	418	420	423	421	423	422	423	423	423	424	424
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28,1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28,1 m
			0.5 m	1.6 m	2.2 m	2.7 m	3.4 m	4.5 m	4.5 m	6.8 m	9 m	14.5 m	27,3 m
			0.5 m	1.5 m	2.1 m	2.5 m	3.2 m	4.2 m	4.2 m	6.4 m	8.5 m	13.7 m	25,7 m
			0.5 m	1.5 m	2.1 m	2.5 m	3.2 m	4.2 m	4.2 m	6.4 m	8.5 m	13.7 m	25,7 m
			0.5 m	1.5 m	2.1 m	2.5 m	3.2 m	4.2 m	4.2 m	6.4 m	8.5 m	13.7 m	25,7 m
			0.4 m	1.4 m	2 m	2.4 m	3.0 m	4.0 m	4.0 m	6.1 m	8.1 m	13.0 m	24,5 m
			0.4 m	1.4 m	1.9 m	2.3 m	2.9 m	3.9 m	3.9 m	5.9 m	7.8 m	12.5 m	23,4 m
			0.4 m	1.4 m	1.9 m	2.3 m	2.9 m	3.9 m	3.9 m	5.9 m	7.8 m	12.5 m	23,4 m
			0.4 m	1.3 m	1.8 m	2.2 m	2.8 m	3.7 m	3.7 m	5.6 m	7.5 m	12 m	22,5 m
			0.4 m	1.3 m	1.8 m	2.2 m	2.8 m	3.7 m	3.7 m	5.6 m	7.5 m	12 m	22,5 m
			0.4 m	1.3 m	1.8 m	2.2 m	2.8 m	3.7 m	3.7 m	5.6 m	7.5 m	12 m	22,5 m
4.8 m	5.5 m	5.8 m											
3.75 m	4.6 m	5 m											
			0.3 m	1.1 m	1.5 m	1.8 m	2.3 m	3.1 m	3.1 m	4.7 m	6.2 m	10 m	18,7 m
			0.3 m	0.9 m	1.2 m	1.5 m	1.8 m	2.5 m	2.5 m	3.7 m	5 m	8 m	15 m
			0.2 m	0.8 m	1.1 m	1.3 m	1.6 m	2.2 m	2.2 m	3.3 m	4.5 m	7.2 m	13,5 m
			0.2 m	0.7 m	1.0 m	1.2 m	1.6 m	2.1 m	2.1 m	3.2 m	4.2 m	6.8 m	13,5 m
			0.2 m	0.6 m	0.9 m	1.1 m	1.4 m	1.9 m	1.9 m	2.8 m	3.8 m	6.1 m	11,4 m
			0.2 m	0.6 m	0.8 m	1 m	1.2 m	1.7 m	1.7 m	2.5 m	3.4 m	5.4 m	10,2 m
			1.8 m	5.4 m	7.5 m	9 m	11.2 m	15 m	15 m	22.6 m	30 m	48 m	90 m
16.5 m	18.7 m	20 m											
			1.5 m	4.5 m	6.2 m	7.5 m	9.3 m	12.5 m	12.5 m	18.8 m	25 m	40 m	75 m
16.5 m	18.7 m	20 m											
			1.1 m	3.3 m	4.6 m	5.6 m	7 m	9.3 m	9.3 m	14.1 m	18.7 m	30 m	56,2 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.9 m	2.7 m	3.7 m	4.5 m	5.6 m	7.5 m	7.5 m	11.3 m	15 m	24 m	45 m
			0.7 m	2.2 m	3.1 m	3.7 m	4.6 m	6.2 m	6.2 m	9.4 m	12.5 m	20 m	37,5 m
8.25 m	9.4 m	10 m											
			0.7 m	2.2 m	3.1 m	3.7 m	4.6 m	6.2 m	6.2 m	9.4 m	12.5 m	20 m	37,5 m
			0.7 m	2.2 m	3.1 m	3.7 m	4.6 m	6.2 m	6.2 m	9.4 m	12.5 m	20 m	37,5 m
8.25 m	9.4 m	10 m											
			0.7 m	2.2 m	3.1 m	3.7 m	4.6 m	6.2 m	6.2 m	9.4 m	12.5 m	20 m	37,5 m
			0.7 m	2.1 m	3 m	3.6 m	4.5 m	6 m	6 m	9.0 m	12 m	19.2 m	36 m
			0.7 m	2.1 m	3 m	3.6 m	4.5 m	6 m	6 m	9.0 m	12 m	19.2 m	36 m
			0.7 m	2.1 m	3 m	3.6 m	4.5 m	6 m	6 m	9.0 m	12 m	19.2 m	36 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28,1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28,1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28,1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28,1 m
			0.5 m	1.6 m	2.3 m	2.8 m	3.5 m	4.6 m	4.6 m	7 m	9.3 m	15 m	28,1 m
			0.5 m	1.4 m	2 m	2.4 m	3 m	4 m	4 m	6.1 m	8.1 m	13 m	24,5 m
			0.4 m	1.4 m	1.9 m	2.3 m	2.9 m	3.9 m	3.9 m	5.9 m	7.8 m	12.5 m	23,4 m
			0.4 m	1.3 m	1.8 m	2.2 m	2.8 m	3.7 m	3.7 m	5.6 m	7.5 m	12 m	22,5 m
			0.4 m	1.2 m	1.8 m	2.1 m	2.7 m	3.6 m	3.6 m	5.4 m	7.2 m	11.5 m	21,6 m
			0.4 m	1.2 m	1.7 m	2.0 m	2.5 m	3.4 m	3.4 m	5.2 m	6.9 m	11.0 m	20,7 m
			0.4 m	1.2 m	1.6 m	2 m	2.5 m	3.3 m	3.3 m	5 m	6.6 m	10.6 m	20 m
			0.3 m	1.1 m	1.6 m	1.9 m	2.4 m	3.2 m	3.2 m	4.8 m	6.4 m	10.2 m	19,2 m
			0.3 m	1.1 m	1.5 m	1.8 m	2.3 m	3.1 m	3.1 m	4.7 m	6.2 m	10 m	18,7 m
			0.3 m	1 m	1.4 m	1.6 m	2.1 m	2.8 m	2.8 m	4.2 m	5.6 m	9 m	16,8 m
			7 pieces	21 piece	30 pieces	36 pieces	45 pieces	60 pieces	60 pieces	90 pieces	120 St.	192 St.	360 St.
42 pieces	48 pieces	51 piece											
47 pieces	54 pieces	57 pieces											
23 pieces	27 pieces	28 pieces											
15 pieces	18 pieces	19 pieces											



rutec LED power supplies 12 V and 24 V DC
for indoor and outdoor use, IP64

- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overload and overtemperature
- no minimum load necessary
- primary and secondary - sided one supply and feed line
- not suitable for dimming on secondary side





ORDERING INFORMATION

Input V AC	Output	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
100 - 240	12 V; 1A	12	65 x 50 x 27.5	±10	>0.45	75	50	80	- 20 - +50	85469
100 - 240	24 V; 0.5 A	12	65 x 50 x 27.5	±10	>0.45	75	50	80	- 20 - +50	85459



rutec LED power supplies 12 V
for indoor and outdoor use, IP64

- housing: plastic
- IP64
- built - in active power factor correction (active PFC)
- protection class II, CE, RoHS, REACH, MM, LPS
- protection against short - circuit, overload and overtemperature
- no minimum load necessary
- primary and secondary - sided one supply and feed line
- not suitable for dimming on secondary side

LPS Parallel

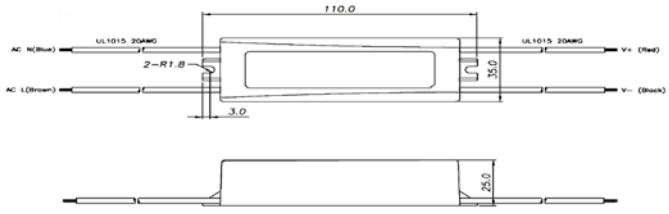
ORDERING INFORMATION

Input V AC	Output	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
90 - 295	12 V; 2.1A	25	174 x 30.5 x 25	±5	>0.45	82	40	80	- 20 - +50	85984



rutec LED power supplies 12 V and 24 V DC
for indoor and outdoor use, IP64

- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH, MM, LPS
- protection against short - circuit, overload and overtemperature
- no minimum load necessary
- primary and secondary - sided one supply and feed line



LPS Parallel

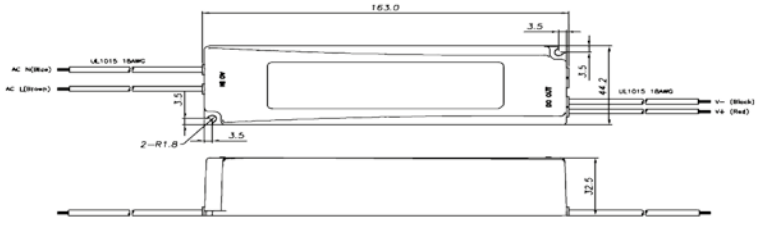
ORDERING INFORMATION

Input V AC	Output	Power W	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
100 - 240	12 V; 3A	36	110 x 35 x 25	±5	>0.45	83	40	80	- 20 - +40	85470
100 - 240	24 V; 1.5 A	36	110 x 35 x 25	±5	>0.45	85	40	80	- 20 - +40	85475



rutec LED power supplies 12 V and 24 V DC
for indoor and outdoor use, IP64

- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH, MM, LPS
- protection against short - circuit, overload and overtemperature
- no minimum load necessary
- primary and secondary - sided one supply and feed line



LPS Parallel RoHS REACH

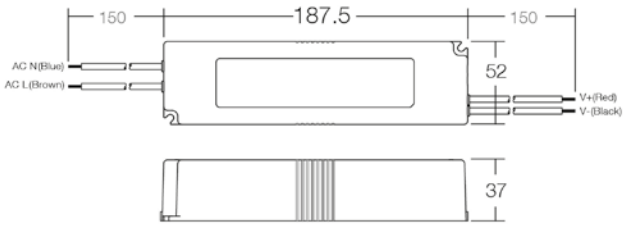
ORDERING INFORMATION

Input V AC	Output	Power W	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
100 - 240	12 V; 5 A	60	163 x 45 x 33	±5	>0.45	85	40	80	- 20 - +40	85471
100 - 240	24 V; 2.5 A	60	163 x 45 x 33	±5	>0.45	87	40	80	- 20 - +40	85476



rutec LED power supply 24 V DC
for indoor and outdoor use, IP64

- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH, SELV
- protection against short - circuit, overload and overtemperature
- no minimum load necessary
- primary and secondary - sided one supply and feed line



Parallel
RoHS
REACH
Equiv. SELV

ORDERING INFORMATION

Input V AC	Output	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
100 - 240	24 V; 4.16A	100	187.5 x 52 x 37	±5	>0.45	86	50	90	- 20 - +50	85477



rutec LED power supplies 12 V and 24 V DC
for indoor and outdoor use, IP67

AKTIV PFC

- housing: aluminium
- IP67
- built - in active power factor correction (active PFC)
- protection class I, CE, SELV, RoHS, REACH
- protection against short - circuit, overload and overtemperature
- no minimum load necessary , except for 85076 - 15 W
- primary and secondary - sided one supply and feed line

Attention:
24 V 50 W
Article no. 85076
min. power 15 W

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except 85461 + 85451 + 85071 + 85076 + 85455

CE IP67 Parallel Equiv. SELV RoHS REACH

ORDERING INFORMATION

Input V AC	Output	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.	
100 - 277	12 V; 4.16A	50	176 x 68 x 39	±5	>0.94	82	50	90	- 20 - +50	85071	
100 - 277	24 V; 2.1A	15 - 50	176 x 68 x 39	±5	>0.94	85	50	90	- 20 - +50	85076	
100 - 277	12 V; 4.9A	58	176 x 68 x 39	±5	>0.94	86	50	90	- 20 - +50	85461	
100 - 277	24 V; 3.15 A	75	176 x 68 x 39	±5	>0.94	86	50	90	- 20 - +50	85451	
100 - 277	12 V; 8.3A	99	222 x 68 x 39	±5	>0.95	88	50	90	- 30 - +50	85462	
100 - 277	12 V; 11A	132	222 x 68 x 39	±5	>0.95	88	45	90	- 30 - +50	85463	
100 - 277	24 V; 4.2A	100	222 x 68 x 39	±5	>0.95	90	50	90	- 30 - +50	85452	
100 - 277	24 V; 6.3A	151	222 x 68 x 39	±5	>0.95	90	45	90	- 30 - +50	85453	
100 - 277	12 V; 13.4A	160	244 x 68 x 39	±5	>0.94	87	45	90	- 30 - +50	85464	
100 - 240	24 V; 8.3A	199	205 x 80.5 34	±5	>0.94	93	50	90	- 30 - +50	85455	NEW



Meanwell 12 V and 24 V DC HLG series
for indoor and outdoor use

AKTIV PFC

- housing: aluminium
- IP65 (except 87457 = IP67)
- up to 20 % more like yield in comparison with conventional power supplies
- protection class I, CE, TÜV Rheinland, SELV, RoHs, REACH, MM
- built - in power factor correction (PFC), PF > 0.9 for 50 % of the load or higher
- high efficiency up to 95 %
- protection against short - circuit, overload and overtemperature
- galvanic isolation
- output current / voltage adjustable via set screw (internal potentiometer) (just for 87456)
- primary and secondary - sided one supply and feed line
- primary - sided one supply secondary - sided two feed lines

CE 110 MM TÜVRheinland Equiv. SELV IP65 Parallel RoHS REACH

ORDERING INFORMATION

Model	Input V AC	Output	Power Watt	Size mm	Tol. %	R & N mV	Effi-ciency %	Temperature range °C	Article no.
HLG-120-12	90 - 264	12 V; 0 - 10 A	120	220 x 68 x 38.8	±2.5	150	92	- 40 - +70	87494
HLG-150-12	90 - 264	12 V; 0 - 12.5 A	150	228 x 68 x 38.8	±2.5	150	92	- 30 - +70	87463
HLG-320H-24A	90 - 264	24 V; 0 - 13.3 A	320	252 x 90 x 43.8	±1.0	150	94	- 30 - +70	87456
HLG-600H-24B	90 - 305	24 V; 0 - 25 A	600	280 x 144 x 48.5	±1.0	150	95	- 40 - +90	87457



Meanwell LED power supplies 5 V, 40 W, IP67
for indoor and outdoor use

- housing: plastic
- IP67
- protection class II, CE, SELV, RoHS, LPS
- protection against short - circuit, overload and overvoltage
- no minimum load necessary
- primary and secondary - sided 1 supply and feed line

IP67 Parallel RoHS REACH

ORDERING INFORMATION

Input V AC	Output	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
90 - 264	5 V 8 A	40	162.5 x 42.5 x 32	±8	>0.94	76	50	90	- 30 - +70	87400

LED converter overview

		Article no.	85960	85439	85440	85442
		Current mA	250 mA	350 mA	350 mA	350 mA
		Load in W min ... max	6.5 ... 12 W	1 W ... 2 W	2 W ... 4 W	1 W ... 8 W
		IP protection	IP 64	IP 65	IP 65	IP 65
		Page	432	431	431	430
		Important: The secondary side of the converter must be wired before starting the converter up				
Type	**Power Watt**	**Current mA**				
LED Downlight CALA 10 W	10.2	250	1 piece			
SILA LED recessed downlights	10	300				
LED light point	1	350		1 ... 2 pieces	2 ... 4 pieces	1 ... 8 pieces
LED light point movable	1	350				
TULKA light point movable	1	350				
Melimar Minitube light point	1	350		1 ... 2 pieces	2 ... 4 pieces	1 ... 8 pieces
Wall recesssed spotlight	1	350		1 ... 2 pieces	2 ... 4 pieces	1 ... 8 pieces
TRIO Color RGB-Spot	3	350				
Melimar 3.2 W light point	3.2	350				
Melimar 3.7 W	3.7	350				
Power LED module 6.2 W	6.2	350				1 piece
R5788 COB IP44	6.5	350				1 piece
RINCA LED recessed downlights	6.9	350				
GLAW LED recessed downlights	7	350				
TALU Dim To Warm	7	350				
Power LED module DTW	7	350				
HYELLE LED glass recessed downlight	8	350				1 piece
TALU Compact	8	350				1 piece
TALU stretched ceilings	8	350				
RINCA LED recessed downlights	8	350				
TULKA 8W COB IP55	8	350				1 piece
TALU Power	10	350				
Power LED module 10 W	10	350				
CALINA	13	350				
CALINA Dim To Warm	13	350				
LED Downlight CALA 14 W	14.3	350				
QILE RGBW recessed downlights	23.55	350				
NINQITA LED recessed downlights	15	400				
SILA LED recessed downlights	20	500				
GLIN LED recessed downlights	20	500				
Power LED module 18 W	18	500				
SILA LED recessed downlights	25	600				
MR-11 Power LED module 5.2 W	5.2	600				
Melimar 6 W	6	600				
LED Downlight CALA 6 W	6	600				
LED Downlight CALA 25 W	24.5	600				
LARA green house	2.5	700				
Furniture recessed downlights 4.2 W	4.2	700				
Focusable COB	6.9	700				
Power LED module 13 W	13	700				
NINQITA LED recessed downlights	25	700				
SILA LED recessed downlights	30	700				
NINQITA LED recessed downlights	35	900				
LED Downlight CALA 41 W	40.9	1000				
NINQITA LED recessed downlights	50	1200				

	85443	85970	85950	85980	85441	85427	85428	85430	85433	85990
	350 mA	350 mA	600 mA	600 mA	700 mA	700 mA	700 mA	700 mA	700 mA	1000 mA
	3 ... 16 W	9.1 ... 14.7 W	1.8 ... 6.6 W	21 ... 25.2 W	3 W	3 ... 6.6 W	3 ... 6 W	3 ... 18 W	21 ... 36 W	30 ... 48 W
	IP20	IP 64	IP 64	IP 67	IP 65	IP 20	IP 67	IP 20	IP 64	IP 64
	434	432	435	436	431	430	430	434	432	437
	so that the lights are protected against excessive start-up current (series wiring).									
	3 ... 16 pieces	10 ... 14 pieces								
	3 ... 16 pieces	10 ... 14 pieces								
	3 ... 16 pieces	10 ... 14 pieces								
	1 ... 2 pieces	1 ... 2 pieces								
	1 ... 2 pieces	1 ... 2 pieces								
	1 ... 2 pieces									
	1 ... 2 pieces									
	1 ... 2 pieces									
	1 piece	1 piece								
	1 piece	1 piece								
	1 piece	1 piece								
			1 piece	1 ... 4 pieces						
			1 piece	1 ... 4 pieces						
			1 piece	1 ... 4 pieces						
				1 piece						
					1 piece	1 ... 2 pieces	1 ... 2 pieces	1 ... 6 pieces	7 ... 12 pieces	
						1 piece	1 piece	1 ... 4 pieces	5 ... 8 pieces	
								1 ... 2 pieces	3 ... 5 pieces	
								1 piece	2 pieces	
										1 piece

Dimmable
Phasecut

Article no.	85965	85445
Input	230 V AC	230 V AC
Output Current mA	240 mA only for CALA series	350 mA
Last in W min ... max.	5.8 ... 10 W	6.2 ... 8 W
Type	Phasecut single-colour	Phasecut single-colour
Page	438	438

Important: The secondary side of the converter must be wired before starting the converter up

Type	Page	Power Watt	Current mA			
LED Downlight CALA 10 W	16	10.2	250	1 piece		
SILA LED recessed downlights	12	10	300			
LED light point	40	1	350		6 pieces	
LED light point movable	41	1	350		6 pieces	
TULKA light point movable	46	1	350		6 pieces	
Melimar Minitube light point	39	1	350		6 pieces	
Wall recesssed spotlight	60	1	350		6 pieces	
Melimar 3,2 W light point	38	3.2	350		2 pieces	
Melimar 3,7 W	35	3.7	350		2 pieces	
Power LED module 6,2 W	126	6.2	350		1 piece	
R5788 COB IP44	42. 43	6.5	350		1 piece	
RINCA LED recessed downlights	33	6.9	350		1 piece	
GLAW LED recessed downlights	22	7	350		1 piece	
TALU Dim To Warm	25	7	350		1 piece	
Power LED module Dim To Warm	127	7	350		1 piece	
HYELLE LED glass recessed downlight	21	8	350		1 piece	
TALU Compact	26-29	8	350		1 piece	
TALU stretched ceilings	30	8	350		1 piece	
RINCA-LED recessed downlights	32	8	350		1 piece	
TULKA 8W COB IP55	47	8	350		1 piece	
TALU Power	31	10	350			
Power LED module 10 W	128	10	350			
CALINA	44	13	350			
CALINA Dim To Warm	45	13	350			
LED Downlight CALA 14 W	17	14.3	350			
NINQITA LED recessed downlights	13	15	400			
SILA LED recessed downlights	12	20	500			
GLIN LED recessed downlights	20	20	500			
Power LED module 18 W	131	18	500			
SILA LED recessed downlights	12	25	600			
MR-11 Power LED module 5,2 W	125	5.2	600			
Melimar 6 W	34	6	600			
LED Downlight CALA 6 W	15	6	600			
LED Downlight CALA 25 W	18	24.5	600			
LARA green house	56	2.5	700			
Furniture recessed downlights 4,2 W	49	4.2	700			
Focusable COB	23	6.9	700			
Power LED module 13 W	130	13	700			
NINQITA LED recessed downlights	13	25	700			
SILA LED recessed downlights	12	30	700			
NINQITA LED recessed downlights	13	35	900			
LED Downlight CALA 41 W	19	40.9	1000			
NINQITA LED recessed downlights	13	50	1200			

	85446	85975	85955	85985	85434
	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC
	350 mA	350 mA only for CALA series	600 mA	600 mA	700 mA
	8 ... 10.5 W	10.5 ... 16.8 W	4.8 ... 7.2 W	18 ... 25.2 W	6 ... 12 W
	Phasecut single-colour	Phasecut single-colour	Phasecut single-colour	Phasecut single-colour	Phasecut single-colour
	438	439	438	439	438
p	so that the lights are protected against excessive start-up current (series wiring).				
		"			
	3 pieces				
	1 piece				
	1 piece				
		1 piece			
		1 piece			
		1 piece			
			1 piece	4 pieces	
			1 piece	4 pieces	
			1 piece	4 pieces	
					3-4 pieces
					2 pieces
					1 piece





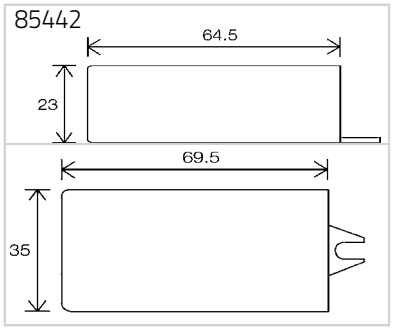
rutec LED constant current converters
for indoor and outdoor use

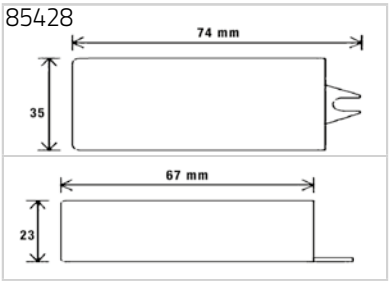
- housing: plastic

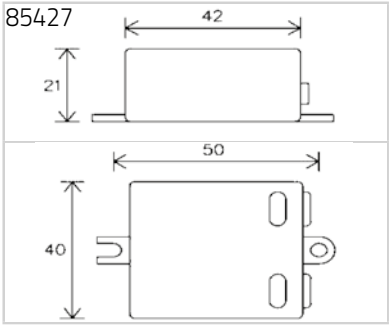
Article no. 85442
- IP65
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overload and overvoltage
- primary and secondary - sided one supply and feed line. **Note the minimum power!**

Article no. 85428
- IP65
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overload and overvoltage
- primary and secondary - sided one supply and feed line. **Note the minimum power!**

Article no. 85427
- IP20
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overload and overvoltage
- single - screw connection for supply and feed line. **Note the minimum power!**







series connection

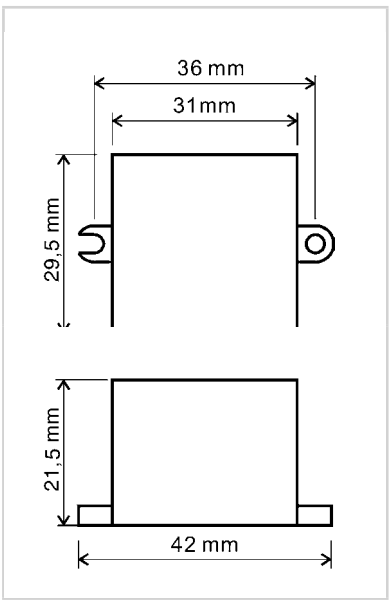
ORDERING INFORMATION

Input V AC	Output mA	Output V DC	Power W	Size (mm)	Tol. %	PF	Efficiency %	Temperature range °C	Article no.
100 - 240	350	3 - 36	1 - 8	69.5 x 35 x 23	±6	>0.45	72	- 10 - +40	85442
100 - 240	700	3 - 12	3 - 6	74 x 35 x 23	±6	>0.45	55	- 10 - +40	85428
100 - 240	700	3 - 12	3 - 6	50 x 40 x 21	±6	>0.5	75	- 10 - +40	85427



rutec LED constant current converters
for indoor and outdoor use

- housing: plastic
- IP65
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overload and overvoltage
- primary and secondary - sided one supply and feed line
- **note the minimum power!**



series connection

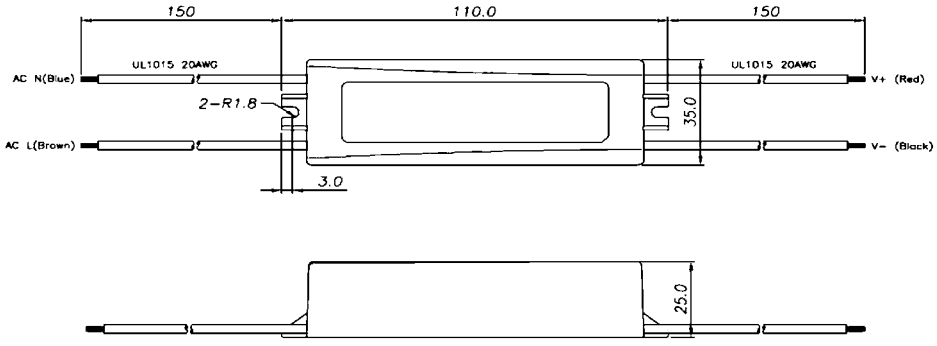
ORDERING INFORMATION

Input V AC	Output mA	Output V DC	Power W	Size (mm)	Tol. %	PF	Efficiency %	Temperature range °C	Article no.
100 - 240	350	3 - 8	1 - 2	42 x 29.5 x 21.5	±6	>0.45	64	- 10 - +40	85439
100 - 240	350	7 - 14	2 - 4	42 x 29.5 x 21.5	±6	>0.45	75	- 10 - +40	85440
100 - 240	700	3 - 5	3	42 x 29.5 x 21.5	±6	>0.45	59	- 10 - +40	85441



rutec LED constant current converters
for indoor and outdoor use

- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH (mm 85433)
- protection against short - circuit, overload and overcurrent
- primary and secondary - sided one supply and feed line



series connection

85433

ORDERING INFORMATION

Input V AC	Output mA	Output V DC	Power Watt	Size mm	Tol. %	PF %	Effi-ciency %	TA °C	TC °C	Temperature range °C	Article no.
100 - 240	250	26 - 48	6.5 - 12	110 x 35 x 25	±5	>0.8	84	60	90	- 20 - +50	85960
100 - 240	350	26 - 42	9.1 - 14.7	110 x 35 x 25	±5	>0.8	84	60	90	- 20 - +60	85970*
100 - 240	700	30 - 48	21 - 36	110 x 35 x 25	±10	>0.45	85	40	75	- 20 - +40	85433

*** not suitable for module 6.2 W (page 126)**



LED power supplies and converter
clean supplies through active PFC

Due to the increasing lighting trend towards LEDs, constant - current power supplies and constant - current converters are increasingly being used. These devices convert alternating current into direct current with the aid of rectifiers and relatively large condensors, and create harmonics which can interfere with the power supply.
For this reason, a compensated power supply (PFC) must be used for LED installations above a power of 25 W.

Norm EN61000 - 3 - 2:

the power factor correction (PFC) is described in Norm EN61000 - 3 - 2 to prevent collapse of the power supply. This means that a power factor of a least 0.9 is specified for an LED driver above 25 W in order to prevent power supply interference. In practice this means that a pulse width modulator is fitted to drivers between the rectifier and the charging capacitor, and this creates several power impulses synchronousous with the input voltage. This creates sinus - shaped charging currents which improve the power factor to a value of up to 0.95. Devices compensated in this way have an active power factor correction (active PFC).

Drivers with a passive power factor correction achieve values of between 0.7 and 0.8 since they are fitted with throttles and condensors. These do not reduce the harmonics sufficiently and should not be used as drivers above a power of 25 W.

High LED life expectancies and preservation of resources are both dependent on the operational life and quality of the driver.

AKTIV PFC

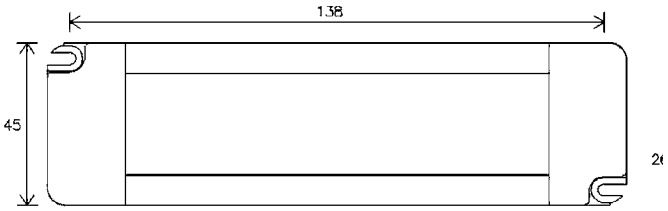


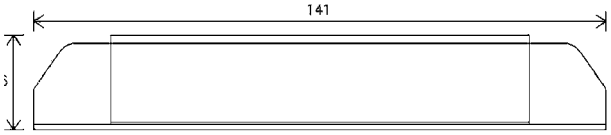
rutec LED constant current converters
for indoor use

AKTIV PFC

- built - in active power factor correction (active PFC)
- housing: plastic
- IP20
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overload and overvoltage
- screw connections
- **note the minimum power!**

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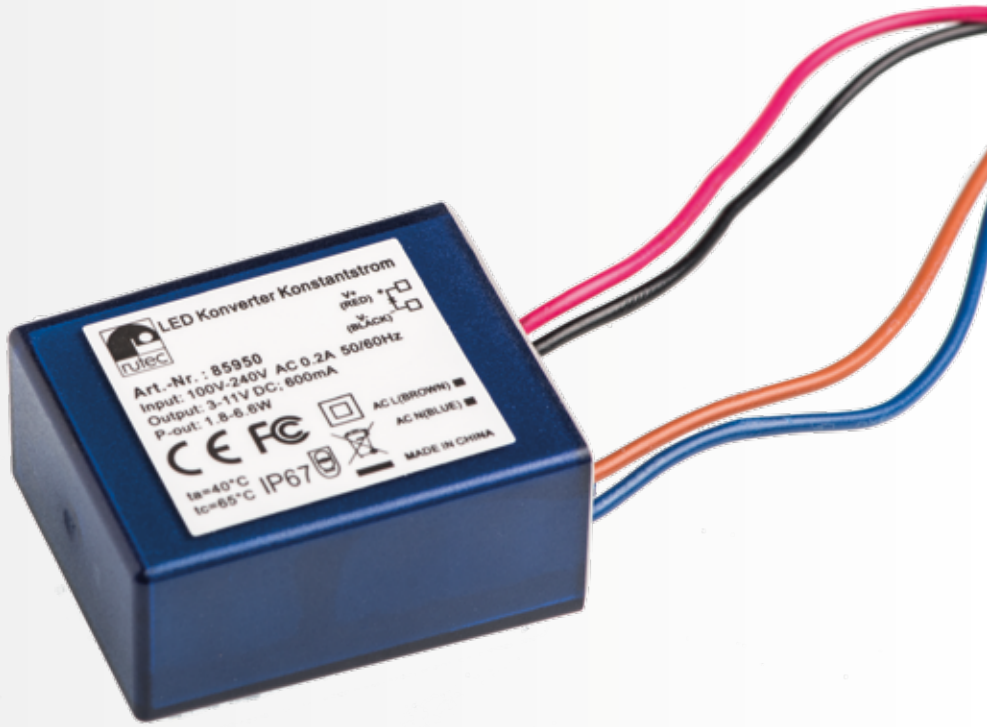




series connection RoHS REACH

ORDERING INFORMATION

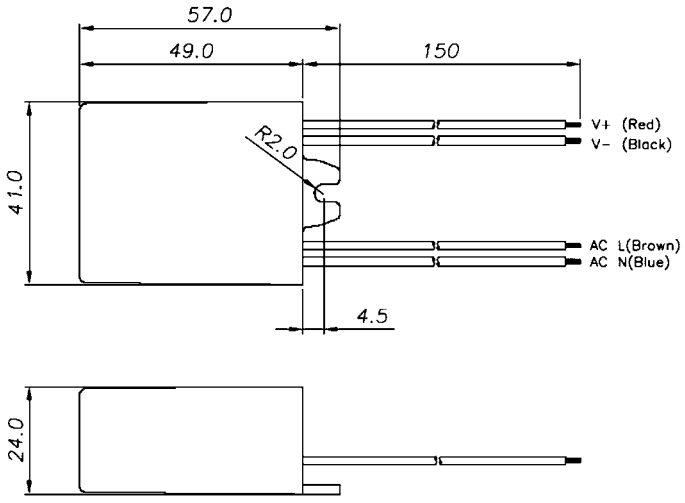
Input V AC	Output mA	Output V DC	Power W	Size (mm)	Tol. %	PF	Efficiency %	Temperature range °C	Article no.
100 - 240	350	10 - 54	3 - 16	141 x 45 x 26	±6	>0.95	80	- 10 - +40	85443
100 - 240	700	3 - 34	3 - 18	141 x 45 x 26	±6	>0.95	80	- 10 - +40	85430



rutec LED constant current converters
for indoor and outdoor use

AKTIV PFC

- built - in active power factor correction (active PFC)
- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH
- protection against short - circuit, current - stabilised
- primary and secondary - sided one supply and feed line
- **note the minimum power!**



series connection RoHS REACH

ORDERING INFORMATION

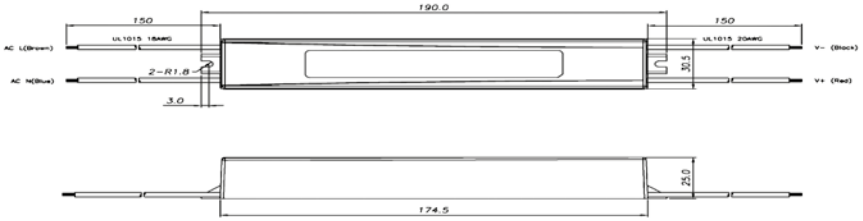
Input V AC	Output mA	Output V DC	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
90 - 295	600	3 - 11	1.8 - 6.6	57 x 40.8 x 24	±5	>0.45	75	40	65	- 20 - +40	85950



rutec LED constant current converters
for indoor and outdoor use

AKTIV PFC

- built - in active power factor correction (active PFC)
- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overtemperature and overcurrent
- primary and secondary - sided one supply and feed line
- **note the minimum power!**



series connection RoHS REACH

ORDERING INFORMATION

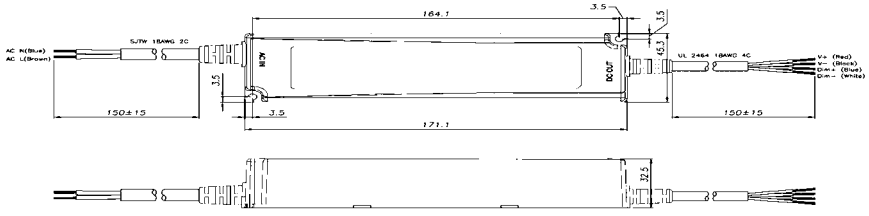
Input V AC	Output mA	Output V DC	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
100 - 240	600	35 - 42	21 - 25.2	174.5 x 30.5 x 25	±8	>0.9	82	50	90	- 20 - +50	85980



rutec LED constant current converters
for indoor and outdoor use

AKTIV PFC

- built - in active power factor correction (active PFC)
- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH
- protection against short - circuit, overtemperature and overcurrent
- primary and secondary - sided one supply and feed line
- **note the minimum power!**



series connection RoHS REACH

ORDERING INFORMATION

Input V AC	Output mA	Output V DC	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
100 - 240	1000	34 - 48	34 - 48	163 x 45 x 33	±5	>0.94	88	50	70	- 30 - +50	85990

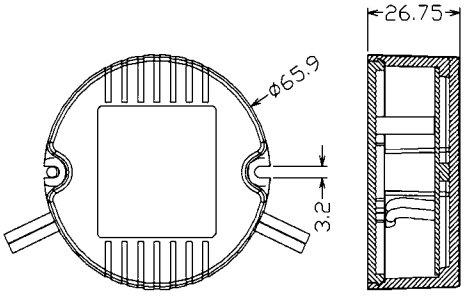


COMPATIBLE WITH:
RADEMACHER
Bewegt mehr.

rutec LED constant current converters - dimmable
for indoor use

AKTIV PFC

- built - in active power factor correction (active PFC)
- housing: plastic
- IP64
- protection class II, CE, RoHS, REACH
- protection against short - circuit and overload
- primary and secondary - sided one supply and feed line
- **note the minimum power!**
- **dimmable with phase cut dimmers (Tronic dimmer) e.g. Berker 286710**
- **smart lighting control with Rademacher DuoFern universal dimmer 9476-1 possible**



series connection

ORDERING INFORMATION

Input	Output mA	Output V DC	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
230 V AC	240	24 - 42	5.8 - 10	66 x 27	±6	>0.85	79	40	70	- 20 - +50	85965
230 V AC	350	18 - 23	6.2 - 8	59 x 26.8	±6	>0.85	79	40	70	- 20 - +40	85445
230 V AC	350	23 - 30	8 - 10.5	66 x 27	±6	>0.85	80	40	70	- 20 - +50	85446
230 V AC	600	8 - 12	4.8 - 7.2	66 x 27	±6	>0.85	79	40	70	- 20 - +50	85955
230 V AC	700	8.5 - 17.1	6 - 12	66 x 27	±6	>0.85	80	50	65	- 20 - +50	85434

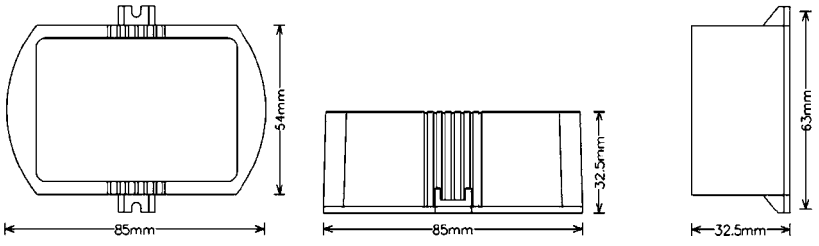
COMPATIBLE WITH:
RADEMACHER
Bewegt mehr.



rutec LED constant current converters - dimmable
for indoor use

AKTIV PFC

- built - in active power factor correction (active PFC)
- housing: plastic
- IP64
- protection class II, CE, RoHS REACH
- protection against short - circuit and overload
- primary and secondary - sided one supply and feed line
- **note the minimum power!**
- **dimmable with phase cut dimmers (Tronic dimmer) e.g. Berker 286710**
- **smart lighting control with Rademacher DuoFern universal dimmer 9476-1 possible**

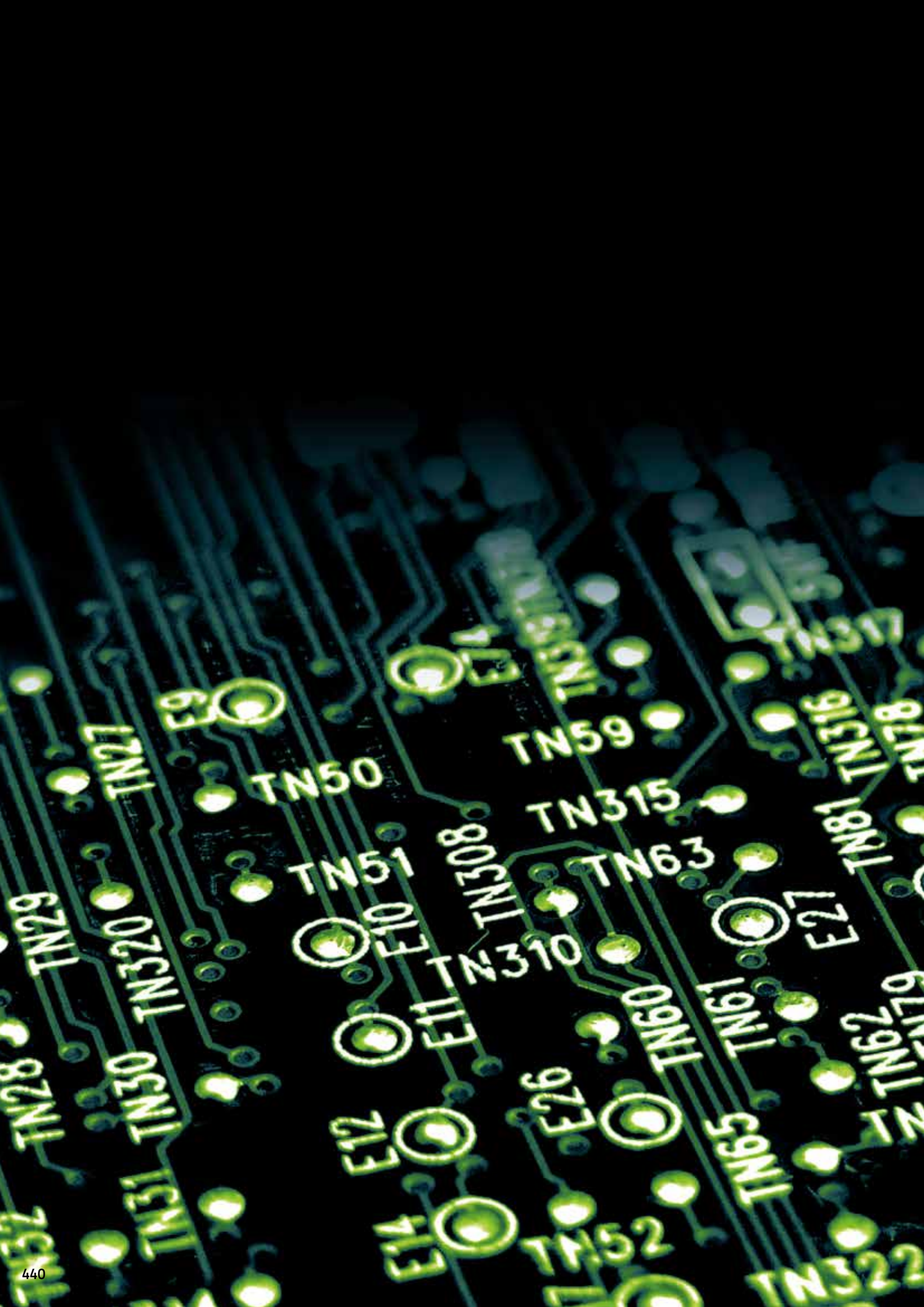


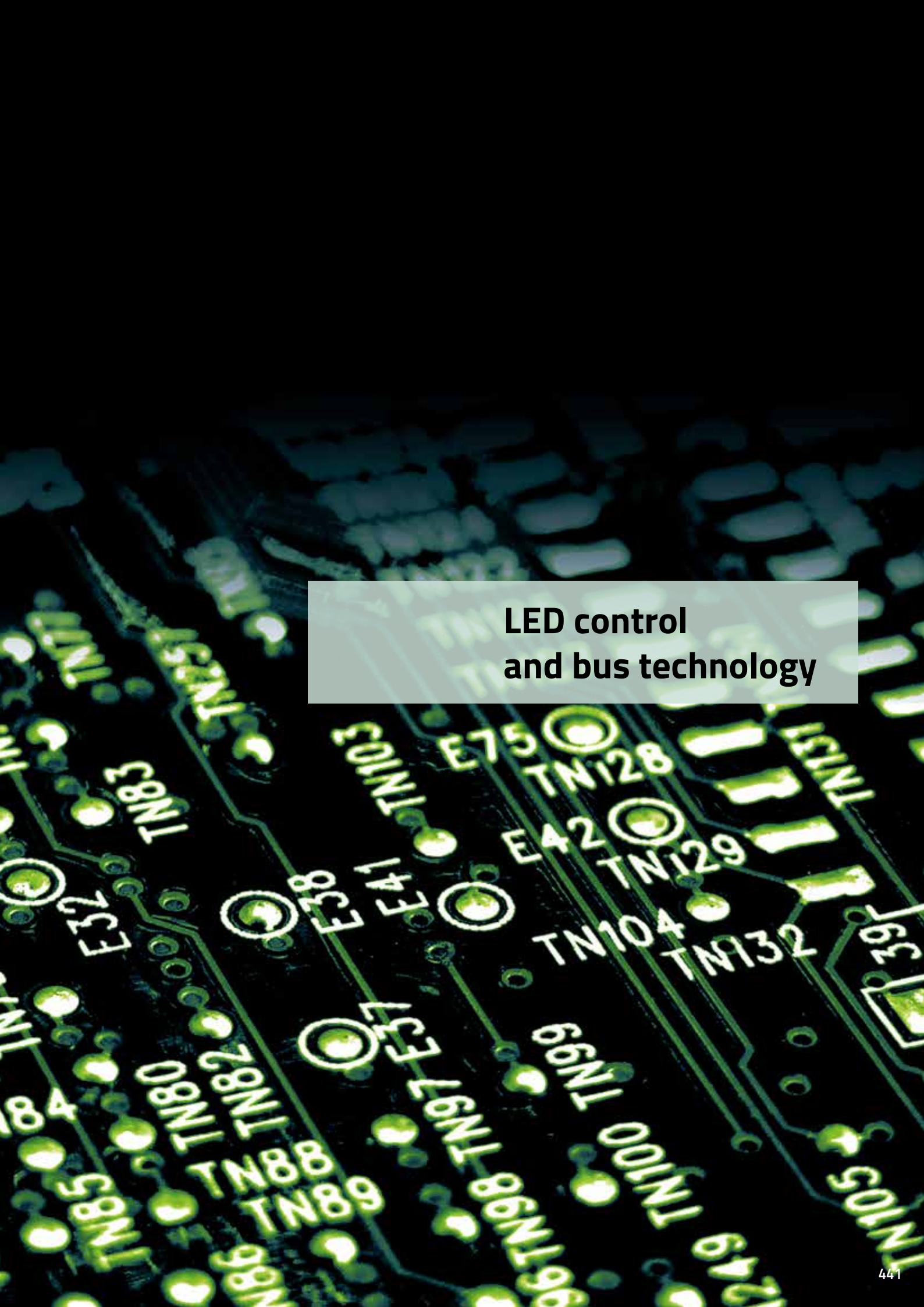
series connection

ORDERING INFORMATION

Input	Output mA	Output V DC	Power Watt	Size (mm)	Tol. %	PF	Efficiency %	TA °C	TC °C	Temperature range °C	Article no.
230 V AC	350	30 - 48	10.5 - 16.8	85 x 54 x 32.5	±6	>0.85	80	40	70	- 20 - +70	85975*
230 V AC	600	30 - 42	18 - 25.2	85 x 54 x 32.5	±6	>0.85	83	40	70	- 20 - +70	85985

*** not suitable for module 6.2 W (page 126)**


TN50
TN51
TN59
TN315
TN63
TN310
TN308
TN60
TN61
TN65
TN62
TN316
TN317
TN318
TN81
TN27
TN29
TN28
TN30
TN31
TN32
E9
E10
E11
E12
E14
E26
E27



LED control and bus technology

Dimmer and controller constant voltage (wireless) RF, EnOcean

			Article no.	80462	80495
			Input	12-24 V DC	12-24 V DC
			Output	240 W / 480 W	240 W / 480 W
			Type	RF-Controller 1-4 colours	RF-Set RGBW
			Page	453	453
Type	**Volt V**	**Power W / m**	**max. per connetion (one-side)**		
1- colour / 2-colours					
VARDAflex Standard Eco Reach30	24	3	30	160 m	
VARDAflex Neon Piko	24	4.5	10	106.6 m	
VARDAflex Neon Piko Top	24	4.5	10	106.6 m	
VARDAflex	12	4.8	10	50 m	
VARDAflex	24	4.8	10	100 m	
VARDAflex CRI95	12	4.8	10	50 m	
VARDAflex CRI95	24	4.8	10	100 m	
VARDAflex Eco	24	4.8	10	100 m	
VARDAflex Infrared IR-940nm	12	4.8	10	50 m	
VARDAflex Side Mini Plus	12	4.8	10	50 m	
VARDAflex Nano IP66	24	4.8	10	100 m	
VARDAflex IP67	24	4.8	10	100 m	
VARDAflex Side Mini IP67	12	4.8	10	50 m	
VARDAflex IP68	12	4.8	10	50 m	
VARDAflex IP68	24	4.8	10	100 m	
VARDAflex Superior	24	4.8	10	100 m	
VARDAflex Superior Reach25	24	4.8	25	100 m	
VARDAflex Eco Reach20	24	5	20	96 m	
VARDAflex Neon Mini	24	5	15	96 m	
VARDAflex Outdoor	24	6	15	80 m	
VARDAflex Neon Color (red)	24	6.5	10	73.8 m	
VARDAflex Neon Tube Color (red)	24	6.5	10	73.8 m	
VARDAflex Side Mini IP67	12	7.2	10	33.3 m	
VARDAflex Neon Top (amber, red)	24	7.2	10	66.6 m	
VARDAflex Plus	12	9.6	10	25 m	
VARDAflex Plus	24	9.6	10	50 m	
VARDAflex Plus CRI90	24	9.6	10	50 m	
VARDAflex Plus Eco	24	9.6	10	50 m	
VARDAflex Select	12	9.6	10	25 m	
VARDAflex Select	24	9.6	5	50 m	
VARDAflex Nano Plus IP66	24	9.6	10	50 m	
VARDAflex Plus IP67	24	9.6	10	50 m	
VARDAflex Side Mini IP67	12	9.6	10	25 m	
VARDAflex Plus IP68	12	9.6	10	25 m	
VARDAflex Plus Eco Reach15	24	10	15	48 m	
VARDAflex Slim	24	10	5	48 m	
VARDAflex Neon Color (blue, green)	24	10.6	10	45.2 m	
VARDAflex Neon Tube Color (blue, green)	24	10.6	10	45.2 m	
VARDAflex Neon Top	24	11	10	43.6 m	
VARDAflex Nova Plus	24	12	10	40 m	
VARDAflex Outdoor Plus	24	12	10	40 m	
VARDAflex Outdoor Plus Opal	24	12	10	40 m	
VARDAflex Neon	24	12	10	40 m	
VARDAflex Neon Tube	24	12	10	40 m	
VARDAflex Neon SVQ	24	12	10	40 m	
VARDAflex Black Plus Profi	24	14	5	34.2 m	
VARDAflex Quantum Plus Profi	24	14	5	34.2 m	
VARDAflex Plus Profi	12	14.4	10	16.6 m	
VARDAflex Plus Profi	24	14.4	10	33.3 m	
VARDAflex Superior Plus Profi Reach10	24	14.4	10	33.3 m	
VARDAflex Mini Ultra	24	15	5	32 m	
VARDAflex Select-CRI	24	16.3	5	29.4 m	
VARDAflex Duo	24	17	5	28.2 m	
VARDAflex Mini Double	24	18	5	26.6 m	
VARDAflex Nova Double 2200 K	24	18	5	26.6 m	
VARDAflex Asymmetrical	24	19.2	5	25 m	
VARDAflex Double	12	19.2	8	12.5 m	
VARDAflex Double	24	19.2	8	25 m	
VARDAflex Double CRI95	12	19.2	8	12.5 m	
VARDAflex Double CRI95	24	19.2	8	25 m	
VARDAflex Double Select	24	19.2	5	25 m	
VARDAflex Nova Double	24	19.2	5	25 m	
VARDAflex Double Eco	24	19.2	5	25 m	
VARDAflex Para Eco	24	19.2	5	25 m	
VARDAflex Para UV black light	12	19.2	5	12.5 m	

	80494	80464	80460	80450	80560	89150
	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC
	240 W / 480 W	300 W / 600 W	288 W / 576 W	240 W / 480 W	240 W / 480 W	96W / 192W
	RF-Set single-colour	RF-Controller RGB+W+WW	RF-Controller RGB	RF-Controller 1-4 colours	RF-Controller 1-4 colours	EnOcean 1-4 colours
	454	455	456	460	460	461
	160 m			160 m	160 m	64 m
	106.6 m			106.6 m	106.6 m	42.6 m
	106.6 m			106.6 m	106.6 m	42.6 m
	50 m			50 m	50 m	20 m
	100 m			100 m	100 m	40 m
	50 m			50 m	50 m	20 m
	100 m			100 m	100 m	40 m
	100 m			100 m	100 m	40 m
	50 m			50 m	50 m	20 m
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	100 m			100 m	100 m	40 m
	100 m			100 m	100 m	40 m
	50 m			50 m	50 m	20 m
	50 m			50 m	50 m	20 m
	100 m			100 m	100 m	40 m
	100 m			100 m	100 m	40 m
	100 m			100 m	100 m	40 m
	96 m			96 m	96 m	38.4 m
	96 m			96 m	96 m	38.4 m
	80 m			80 m	80 m	32 m
	73.8 m			73.8 m	73.8 m	29.5 m
	73.8 m			73.8 m	73.8 m	29.5 m
	33.3 m			33.3 m	33.3 m	13.3 m
	66.6 m			66.6 m	66.6 m	26.6 m
	25 m			25 m	25 m	10 m
	50 m			50 m	50 m	20 m
	50 m			50 m	50 m	20 m
	50 m			50 m	50 m	20 m
				25 m	25 m	10 m
				50 m	50 m	20 m
	50 m			50 m	50 m	20 m
	50 m			50 m	50 m	20 m
	25 m			25 m	25 m	10 m
	25 m			25 m	25 m	10 m
	48 m			48 m	48 m	19.2 m
	48 m			48 m	48 m	19.2 m
	45.2 m			45.2 m	45.2 m	18.1 m
	45.2 m			45.2 m	45.2 m	18.1 m
	43.6 m			43.6 m	43.6 m	17.4 m
	40 m			40 m	40 m	16 m
	40 m			40 m	40 m	16 m
	40 m			40 m	40 m	16 m
	40 m			40 m	40 m	16 m
	40 m			40 m	40 m	16 m
	40 m			40 m	40 m	16 m
	34.2 m			34.2 m	34.2 m	13.7 m
	34.2 m			34.2 m	34.2 m	13.7 m
	16.6 m			16.6 m	16.6 m	6.6 m
	33.3 m			33.3 m	33.3 m	13.2 m
	33.3 m			33.3 m	33.3 m	13.2 m
	32 m			32 m	32 m	12.8 m
	29.4 m			29.4 m	29.4 m	11.7 m
	28.2 m			28.2 m	28.2 m	11.2 m
	26.6 m			26.6 m	26.6 m	10.6 m
	26.6 m			26.6 m	26.6 m	10.6 m
	25 m			25 m	25 m	10 m
	12.5 m			12.5 m	12.5 m	5 m
	25 m			25 m	25 m	10 m
	12.5 m			12.5 m	12.5 m	5 m
	25 m			25 m	25 m	10 m
				25 m	25 m	10 m
	25 m			25 m	25 m	10 m
	25 m			25 m	25 m	10 m
	25 m			25 m	25 m	10 m
	12.5 m			12.5 m	12.5 m	5 m

Dimmer and controller constant voltage (wireless) RF, EnOcean

			Article no.	80462	80495
			Input	12-24 V DC	12-24 V DC
			Output	240 W / 480 W	240 W / 480 W
			Type	RF-Controller 1-4 colours	RF-Set RGBW
			Page	453	453
Type	**Volt V**	**Power W / m**	**max. per connetion (one-side)**		
VARDAflex Side Mini Double	24	19.2	5	25 m	
VARDAflex Nano Double IP66	24	19.2	5	25 m	
VARDAflex Ultra	24	19.8	3	24.2 m	
VARDAflex Double Select Eco	24	21	5	22.8 m	
VARDAflex Single Select	24	21	5	22.8 m	
VARDAflex Single	24	21	5	22.8 m	
VARDAflex Quantum Ultra	24	22	5	21.8 m	
VARDAflex Quantum Triple	24	23	5	20.8 m	
VARDAflex Surround	24	23.04	5	20.8 m	
VARDAflex Grow	24	24	5	20 m	
VARDAflex Nova Triple	24	24	5	20 m	
VARDAflex Nova Ultra	24	24	5	20 m	
VARDAflex Triple	12	24.5	3	9.7 m	
VARDAflex High Eco	12	28.8	3	8.3 m	
VARDAflex Ultra Select	24	28.8	3	16.6 m	
VARDAflex High Performance	24	36	2	13.3 m	
VARDAflex Para3	24	40	5	12 m	
VARDAflex Supra	24	42	3	11.4 m	
VARDAflex Para Supra Eco	24	47	3	10.2 m	
VARDAflex Para3 Superior	24	52.8	3	9 m	
3- colours to 5-colours					
VARDAflex Outdoor RGB	24	6	15	60 m	60 m
VARDAflex RGB	12	7.2	10	25 m	25 m
VARDAflex RGB	24	7.2	10	50 m	50 m
VARDAflex RGB IP68	12	7.2	10	25 m	25 m
VARDAflex RGB+WW	24	9.6	5	50 m	50 m
VARDAflex Outdoor RGB Double	24	12	10	30 m	30 m
VARDAflex Outdoor RGB Intelligence Eight	24	12	10		
VARDAflex Neon RGB	24	12	10	30 m	30 m
VARDAflex Neon RGB Intelligence	24	12	10		
VARDAflex Neon Tube RGB	24	12	10	30 m	30 m
VARDAflex Neon Top RGB	24	12	5	30 m	30 m
VARDAflex RGB Double	24	14.4	8	25 m	25 m
VARDAflex RGB Side Single	12	14.4	5	12.5 m	12.5 m
VARDAflex Nova RGB	24	14.4	5	25 m	25 m
VARDAflex Nano Double RGB IP66	24	14.4	5	25 m	25 m
VARDAflex RGB Double IP68	12	14.4	8	12.5 m	12.5 m
VARDAflex RGB Double IP68	24	14.4	8	25 m	25 m
VARDAflex Outdoor RGBW Intelligence Eight	24	15	5		
VARDAflex Neon RGBW	24	15	5	32 m	32 m
VARDAflex Neon RGBW Intelligence Eight	24	15	5		
VARDAflex Double RGB+W+A	24	19.2	3		
VARDAflex RGB+W+A	24	19.2	5		
VARDAflex Nova RGB Double	24	19.2	5	18.7 m	18.7 m
VARDAflex 4inOne-60	24	19.2	5	25 m	25 m
VARDAflex Nano RGBW (one chip) IP66	24	19.2	2	25 m	25 m
VARDAflex Neon Top RGBW Intelligence Twelve	24	22	5		
VARDAflex RGB Ultra	24	23	5	15.6 m	15.6 m
VARDAflex 5inOne-60	24	24	5		
VARDAflex 5inOne-96	24	25	5		
VARDAflex RGB+W+WW	24	26	5		
VARDAflex 4inOne-84	24	27	5	17.7 m	17.7 m
VARDAflex RGB Para	24	28	5	12.8 m	12.8 m
VARDAflex RGB+W+WW	24	28.8	3		
VARDAflex RGB Side Ultra	24	32	5	11.2 m	11.2 m
Type luminaires					
LARA round/LARA 316 IP55	12	2.8		85 pieces	
LARA square	12	2.5		96 pieces	
LARA square 2er	12	5		48 pieces	
LARA square 3er	12	7.5		32 pieces	

	80494	80464	80460	80450	80560	89150
	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC	12-24 V DC
	240 W / 480 W	300 W / 600 W	288 W / 576 W	240 W / 480 W	240 W / 480 W	96 W / 192 W
	RF-Set single-colour	RF-Controller RGB+W+WW	RF-Controller RGB	RF-Controller 1-4 colours	RF-Controller 1-4 colours	EnOcean 1-4 colours
	454	455	456	460	460	461
	25 m			25 m	25 m	10 m
	25 m			25 m	25 m	10 m
	24.2 m			24.2 m	24.2 m	9.6 m
				22.8 m	22.8 m	9.1 m
				22.8 m	22.8 m	9.1 m
	22.8 m			22.8 m	22.8 m	9.1 m
	21.8 m			21.8 m	21.8 m	8.7 m
	20.8 m			20.8 m	20.8 m	8.3 m
	20.8 m			20.8 m	20.8 m	8.3 m
	20 m			20 m	20 m	8 m
	20 m			20 m	20 m	8 m
	20 m			20 m	20 m	8 m
	9.7 m			9.7 m	9.7 m	3.9 m
	8.3 m			8.3 m	8.3 m	3.3 m
	16.6 m			16.6 m	16.6 m	6.6 m
	13.3 m			13.3 m	13.3 m	5.3 m
	12 m			12 m	12 m	4.8 m
	11.4 m			11.4 m	11.4 m	4.5 m
	10.2 m			10.2 m	10.2 m	4 m
	9 m			9 m	9 m	3.6 m
			96 m	60 m	60 m	24 m
			40 m	25 m	25 m	10 m
			80 m	50 m	50 m	20 m
			40 m	25 m	25 m	10 m
				50 m	50 m	20 m
			48 m	30 m	30 m	12 m
			48 m	30 m	30 m	12 m
			48 m	30 m	30 m	12 m
			48 m	30 m	30 m	12 m
			40 m	25 m	25 m	10 m
			20 m	12.5 m	12.5 m	5 m
			40 m	25 m	25 m	10 m
			40 m	25 m	25 m	10 m
			20 m	12.5 m	12.5 m	5 m
			40 m	25 m	25 m	10 m
				32 m	32 m	12.8 m
		31.2 m				
		31.2 m				
			30 m	18.7 m	18.7 m	7.5 m
				25 m	25 m	10 m
				25 m	25 m	10 m
			25 m	15.6 m	15.6 m	6.2 m
		25 m				
		24 m				
		23 m				
				17.7 m	17.7 m	7.1 m
			20.5 m	12.8 m	12.8 m	5.1 m
			18 m	11.2 m	11.2 m	4.5 m
	85 pieces			85 pieces	85 pieces	34 pieces
	96 pieces			96 pieces	96 pieces	38 pieces
	48 pieces			48 pieces	48 pieces	19 pieces
	32 pieces			32 pieces	32 pieces	12 pieces

Dimmer and controller constant voltage (wired) KNX, DALI, DMX, Switch, 1 - 10 V

			Article no.	80120	80100 / 80140	80780	80710 / 80770	80715 / 80775
			Input	230 V AC	12 V / 24 V DC	230 V AC	12 V / 24 V DC	12 V / 24 V DC
			Output	100 W	240 W / 480 W	50 W	240 W / 480 W	240 W / 480 W
			Type	KNX actuator 1-4 colours	KNX actuator 1-4 colours	DALI Dimm actuator	DALI Dimm actuator	DALI actuator 1-4 colours
			Page	464	465	469	470	471
Type	**Volt V**	**Power W / m**	**max. per connetion (one-side)**					
1- colour / 2-colours								
VARDAflex Standard Eco Reach30	24	3	30	33.3 m	160 m	16.6 m	160 m	160 m
VARDAflex Neon Piko	24	4.5	10	22.2 m	106.6 m	11.1 m	106.6 m	106.6 m
VARDAflex Neon Piko Top	24	4.5	10	22.2 m	106.6 m	11.1 m	106.6 m	106.6 m
VARDAflex	12	4.8	10		50 m		50 m	50 m
VARDAflex	24	4.8	10	20.8 m	100 m	10.4 m	100 m	100 m
VARDAflex CRI95	12	4.8	10		50 m		50 m	50 m
VARDAflex CRI95	24	4.8	10	20.8 m	100 m	10.4 m	100 m	100 m
VARDAflex Eco	24	4.8	10	20.8 m	100 m	10.4 m	20.8 m	20.8 m
VARDAflex Infrared IR-940nm	12	4.8	10		50 m		50 m	50 m
VARDAflex Side Mini Plus	12	4.8	10		50 m		50 m	50 m
VARDAflex Nano IP66	24	4.8	10	20.8 m	100 m	10.4 m	100 m	100 m
VARDAflex IP67	24	4.8	10	20.8 m	100 m	10.4 m	100 m	100 m
VARDAflex Side Mini IP67	12	4.8	10		50 m		50 m	50 m
VARDAflex IP68	12	4.8	10		50 m		50 m	50 m
VARDAflex IP68	24	4.8	10	20.8 m	100 m	10.4 m	100 m	100 m
VARDAflex Superior	24	4.8	10	20.8 m	100 m	10.4 m	100 m	100 m
VARDAflex Superior Reach25	24	4.8	25	20.8 m	100 m	10.4 m	100 m	100 m
VARDAflex Eco Reach20	24	5	20	20 m	96 m	10 m	96 m	96 m
VARDAflex Neon Mini	24	5	15	20 m	96 m	10 m	96 m	96 m
VARDAflex Outdoor	24	6	15	16.6 m	80 m	8.3 m	80 m	80 m
VARDAflex Neon Color (red)	24	6.5	10	15.3 m	73.8 m	7.6 m	73.8 m	73.8 m
VARDAflex Neon Tube Color (red)	24	6.5	10	15.3 m	73.8 m	7.6 m	73.8 m	73.8 m
VARDAflex Side Mini IP67	12	7.2	10		33.3 m		33.3 m	33.3 m
VARDAflex Neon Top (amber, red)	24	7.2	10	13.8 m	66.6 m	6.9 m	66.6 m	66.6 m
VARDAflex Plus	12	9.6	10		25 m		25 m	25 m
VARDAflex Plus	24	9.6	10	10.4 m	50 m	5.2 m	50 m	50 m
VARDAflex Plus CRI90	24	9.6	10	10.4 m	50 m	5.2 m	50 m	50 m
VARDAflex Plus Eco	24	9.6	10	10.4 m	50 m	5.2 m	50 m	50 m
VARDAflex Select	12	9.6	10		25 m			25 m
VARDAflex Select	24	9.6	5	10.4 m	50 m			50 m
VARDAflex Nano Plus IP66	24	9.6	10	10.4 m	50 m	5.2 m	50 m	50 m
VARDAflex Plus IP67	24	9.6	10	10.4 m	50 m	5.2 m	50 m	50 m
VARDAflex Side Mini IP67	12	9.6	10		25 m		25 m	25 m
VARDAflex Plus IP68	12	9.6	10		25 m		25 m	25 m
VARDAflex Plus Eco Reach15	24	10	15	10 m	48 m	5 m	48 m	48 m
VARDAflex Slim	24	10	5	10 m	48 m	5 m	48 m	48 m
VARDAflex Neon Color (blue, green)	24	10.6	10	9.4 m	45.2 m	4.7 m	45.2 m	45.2 m
VARDAflex Neon Tube Color (blue, green)	24	10.6	10	9.4 m	45.2 m	4.7 m	45.2 m	45.2 m
VARDAflex Neon Top	24	11	10	9 m	43.6 m	4.5 m	43.6 m	43.6 m
VARDAflex Nova Plus	24	12	10	8.3 m	40 m	4.1 m	40 m	40 m
VARDAflex Outdoor Plus	24	12	10	8.3 m	40 m	4.1 m	40 m	40 m
VARDAflex Outdoor Plus Opal	24	12	10	8.3 m	40 m	4.1 m	40 m	40 m
VARDAflex Neon	24	12	10	8.3 m	40 m	4.1 m	40 m	40 m
VARDAflex Neon Tube	24	12	10	8.3 m	40 m	4.1 m	40 m	40 m
VARDAflex Neon SVQ	24	12	10	8.3 m	40 m	4.1 m	40 m	40 m
VARDAflex Black Plus Profi	24	14	5	7.1 m	34.2 m	3.5 m	34.2 m	34.2 m
VARDAflex Quantum Plus Profi	24	14	5	7.1 m	34.2 m	3.5 m	34.2 m	34.2 m
VARDAflex Plus Profi	12	14.4	10		16.6 m		16.6 m	16.6 m
VARDAflex Plus Profi	24	14.4	10	6.9 m	33.3 m	3.4 m	33.3 m	33.3 m
VARDAflex Superior Plus Profi Reach10	24	14.4	10	6.9 m	33.3 m	3.4 m	33.3 m	33.3 m
VARDAflex Mini Ultra	24	15	5	6.6 m	32 m	3.3 m	32 m	32 m
VARDAflex Select-CRI	24	16.3	5	4.6 m	22 m			22 m
VARDAflex Duo	24	17	5	5.8 m	28.2 m	2.9 m	28.2 m	28.2 m
VARDAflex Mini Double	24	18	5	5.5 m	26.6 m	2.7 m	26.6 m	26.6 m
VARDAflex Nova Double 2200 K	24	18	5	5.5 m	26.6 m	2.7 m	26.6 m	26.6 m
VARDAflex Asymmetrical	24	19.2	5	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Double	12	19.2	8		12.5 m		12.5 m	12.5 m
VARDAflex Double	24	19.2	8	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Double CRI95	12	19.2	8		12.5 m		12.5 m	12.5 m
VARDAflex Double CRI95	24	19.2	8	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Double Select	24	19.2	5	5.2 m	25 m			25 m
VARDAflex Nova Double	24	19.2	5	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Double Eco	24	19.2	5	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Para Eco	24	19.2	5	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Para UV black light	12	19.2	5		12.5 m		12.5 m	12.5 m
VARDAflex Side Mini Double	24	19.2	5	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Nano Double IP66	24	19.2	5	5.2 m	25 m	2.6 m	25 m	25 m
VARDAflex Ultra	24	19.8	3	5 m	24.2 m	2.5 m	24.2 m	24.2 m

	80720	80200 / 80270	80205	80220	80206	80474	80473	89502	88510	80491
	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC
	240 W / 480 W	240 W / 480 W	384 W / 768 W	240 W / 480 W	300 W / 600 W	96 W / 192 W	120 W / 240 W	36 W / 72 W	100 W / 200 W	240 W / 480 W
	DALI actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-5 colours	Switch / 1-10 V (potentiometer)	Switch / 1-10 V (potentiometer)	Touchdimmer (for profiles)	IP68 - Repeater 1-3 colours	Repeater 1-4 colours
	472	474	475	476	477	487	487	490	488	489
	160 m	160 m	256 m	160 m	200 m	64 m	80 m	24 m	66.6 m	160 m
	106.6 m	106.6 m	170.6 m	106.6 m	133.3 m	42.6 m	53.3 m	16 m	44.4 m	106.6 m
	106.6 m	106.6 m	170.6 m	106.6 m	133.3 m	42.6 m	53.3 m	16 m	44.4 m	106.6 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	100 m	100 m	160 m	100 m	125 m	40 m	50 m	15 m	41.6 m	100 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	100 m	100 m	160 m	100 m	125 m	40 m	50 m	15 m	41.6 m	100 m
	20.8 m	20.8 m	160 m	20.8 m	125 m	40 m	50 m	15 m	41.6 m	20.8 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	100 m	100 m	160 m	100 m	125 m	40 m	50 m	15 m	41.6 m	100 m
	100 m	100 m	160 m	100 m	125 m	40 m	50 m	15 m	41.6 m	100 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	100 m	100 m	160 m	100 m	125 m	40 m	50 m	15 m	41.6 m	100 m
	100 m	100 m	160 m	100 m	125 m	40 m	50 m	15 m	41.6 m	100 m
	100 m	100 m	160 m	100 m	125 m	40 m	50 m	15 m	41.6 m	100 m
	96 m	96 m	153.6 m	96 m	120 m	38.4 m	48 m	14.4 m	40 m	96 m
	96 m	96 m	153.6 m	96 m	120 m	38.4 m	48 m	14.4 m	40 m	96 m
	80 m	80 m	128 m	80 m	100 m	32 m	40 m	12 m	33.3 m	80 m
	73.8 m	73.8 m	118.1 m	73.8 m	92.3 m	29.5 m	36.9 m	11 m	30.7 m	73.8 m
	73.8 m	73.8 m	118.1 m	73.8 m	92.3 m	29.5 m	36.9 m	11 m	30.7 m	73.8 m
	33.3 m	33.3 m	53.3 m	33.3 m	41.6 m	13.3 m	16.6 m	5 m	13.8 m	33.3 m
	66.6 m	66.6 m	106.6 m	66.6 m	83.3 m	26.6 m	33.3 m	10 m	27.7 m	66.6 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	25 m	25 m	40 m	25 m	25 m				6.8 m	25 m
	50 m	50 m	80 m	50 m	50 m				13.7 m	50 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	50 m	50 m	80 m	50 m	62.5 m	20 m	25 m	7.5 m	20.8 m	50 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	48 m	48 m	76.8 m	48 m	60 m	19.2 m	24 m	7.2 m	20 m	48 m
	48 m	48 m	76.8 m	48 m	60 m	19.2 m	24 m	7.2 m	20 m	48 m
	45.2 m	45.2 m	72.4 m	45.2 m	56.6 m	18.1 m	22.6 m	6.7 m	18.8 m	45.2 m
	45.2 m	45.2 m	72.4 m	45.2 m	56.6 m	18.1 m	22.6 m	6.7 m	18.8 m	45.2 m
	43.6 m	43.6 m	69.8 m	43.6 m	54.5 m	17.4 m	21.8 m	6.5 m	18.1 m	43.6 m
	40 m	40 m	64 m	40 m	50 m	16 m	20 m	6 m	16.6 m	40 m
	40 m	40 m	64 m	40 m	50 m	16 m	20 m	6 m	16.6 m	40 m
	40 m	40 m	64 m	40 m	50 m	16 m	20 m	6 m	16.6 m	40 m
	40 m	40 m	64 m	40 m	50 m	16 m	20 m	6 m	16.6 m	40 m
	40 m	40 m	64 m	40 m	50 m	16 m	20 m	6 m	16.6 m	40 m
	40 m	40 m	64 m	40 m	50 m	16 m	20 m	6 m	16.6 m	40 m
	34.2 m	34.2 m	54.8 m	34.2 m	42.8 m	13.7 m	17.1 m	5.1 m	14.2 m	34.2 m
	34.2 m	34.2 m	54.8 m	34.2 m	42.8 m	13.7 m	17.1 m	5.1 m	14.2 m	34.2 m
	16.6 m	16.6 m	26.6 m	16.6 m	20.8 m	6.6 m	8.3 m	2.5 m	6.9 m	16.6 m
	33.3 m	33.3 m	53.2 m	33.3 m	41.6 m	13.3 m	16.6 m	5 m	13.8 m	33.3 m
	33.3 m	33.3 m	53.2 m	33.3 m	41.6 m	13.3 m	16.6 m	5 m	13.8 m	33.3 m
	32 m	32 m	51.2 m	32 m	40 m	12.8 m	16 m	4.8 m	13.3 m	32 m
	22 m	22 m	35.3 m	22 m	22 m				12.7 m	22 m
	28.2 m	28.2 m	45.1 m	28.2 m	35.2 m	11.2 m	14.1 m	4.2 m	11.7 m	28.2 m
	26.6 m	26.6 m	42.6 m	26.6 m	33.3 m	10.6 m	13.3 m	4 m	11.1 m	26.6 m
	26.6 m	26.6 m	42.6 m	26.6 m	33.3 m	10.6 m	13.3 m	4 m	11.1 m	26.6 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	12.5 m	12.5 m	20 m	12.5 m	15.6 m	5 m	6.2 m	1.8 m	5.2 m	12.5 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	12.5 m	12.5 m	20 m	12.5 m	15.6 m	5 m	6.2 m	1.8 m	5.2 m	12.5 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	25 m	25 m	40 m	25 m	25 m				6.8 m	25 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	12.5 m	12.5 m	20 m	12.5 m	15.6 m	5 m	6.2 m	1.8 m	5.2 m	12.5 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	25 m	25 m	40 m	25 m	31.2 m	10 m	12.5 m	3.7 m	10.4 m	25 m
	24.2 m	24.2 m	38.7 m	24.2 m	30.3 m	9.6 m	12.1 m	3.6 m	10.1 m	24.2 m

Dimmer and Controller constant voltage (wired) KNX, DALI, DMX, Switch, 1 - 10 V

			Article no.	80120	80100 / 80140	80780	80710 / 80770	80715 / 80775
			Input	230 V AC	12 V / 24 V DC	230 V AC	12 V / 24 V DC	12 V / 24 V DC
			Output	100 W	240 W / 480 W	50 W	240 W / 480 W	240 W / 480 W
			Type	KNX actuator 1-4 colours	KNX actuator 1-4 colours	DALI Dimm actuator	DALI Dimm actuator	DALI actuator 1-4 colours
			Page	464	465	469	470	471
Type	**Volt V**	**Power W / m**	**max. per connetion (one-side)**					
VARDAflex Double Select Eco	24	21	5	4.7 m	22.8 m			22.8 m
VARDAflex Single Select	24	21	5	4.7 m	22.8 m			22.8 m
VARDAflex Single	24	21	5	4.7 m	22.8 m	2.3 m	22.8 m	22.8 m
VARDAflex Quantum Ultra	24	22	5	4.5 m	21.8 m	2.2 m	21.8 m	21.8 m
VARDAflex Quantum Triple	24	23	5	4.3 m	20.8 m	2.1 m	20.8 m	20.8 m
VARDAflex Double Select Eco	24	21	5	4.7 m	22.8 m			22.8 m
VARDAflex Single Select	24	21	5	4.7 m	22.8 m			22.8 m
VARDAflex Single	24	21	5	4.7 m	22.8 m	2.3 m	22.8 m	22.8 m
VARDAflex Quantum Ultra	24	22	5	4.5 m	21.8 m	2.2 m	21.8 m	21.8 m
VARDAflex Quantum Triple	24	23	5	4.3 m	20.8 m	2.1 m	20.8 m	20.8 m
VARDAflex Surround	24	23.04	5	4.3 m	20.8 m	2.1 m	20.8 m	20.8 m
VARDAflex Grow	24	24	5	4.1 m	20 m	2 m	20 m	20 m
VARDAflex Nova Triple	24	24	5	4.1 m	20 m	2 m	20 m	20 m
VARDAflex Nova Ultra	24	24	5	4.1 m	20 m	2 m	20 m	20 m
VARDAflex Triple	12	24.5	3		9.7 m		9.7 m	9.7 m
VARDAflex High Eco	12	28.8	3		8.3 m		8.3 m	8.3 m
VARDAflex Ultra Select	24	28.8	3	3.4 m	16.6 m			16.6 m
VARDAflex High Performance	24	36	2	2.7 m	13.3 m	1.3 m	13.3 m	13.3 m
VARDAflex Para3	24	40	5	2.5 m	12 m	1.2 m	12 m	12 m
VARDAflex Supra	24	42	3	2.3 m	11.4 m	1.1 m	11.4 m	11.4 m
VARDAflex Para Supra Eco	24	47	3	2.1 m	10.2 m	1 m	10.2 m	10.2 m
VARDAflex Para3 Superior	24	52.8	3	1.8 m	9 m	0.9 m	9 m	9 m
3- colours to 5-colours								
VARDAflex Outdoor RGB	24	6	15	12.5 m	60 m			60 m
VARDAflex RGB	12	7.2	10		25 m			25 m
VARDAflex RGB	24	7.2	10	10.4 m	50 m			50 m
VARDAflex RGB IP68	12	7.2	10		25 m			25 m
VARDAflex RGB+WW	24	9.6	5	10.4 m	50 m			50 m
VARDAflex Outdoor RGB Double	24	12	10	6.2 m	30 m			30 m
VARDAflex Outdoor RGB Intelligence Eight	24	12	10					
VARDAflex Neon RGB	24	12	10	6.2 m	30 m			30 m
VARDAflex Neon RGB Intelligence Two	24	12	10					
VARDAflex Neon Tube RGB	24	12	10	6.2 m	30 m			30 m
VARDAflex Neon Top RGB	24	12	5	6.2 m	30 m			30 m
VARDAflex RGB Double	24	14.4	8	5.2 m	25 m			25 m
VARDAflex RGB Side Single	12	14.4	5		12.5 m			12.5 m
VARDAflex Nova RGB	24	14.4	5	5.2 m	25 m			25 m
VARDAflex Nano Double RGB IP66	24	14.4	5	5.2 m	25 m			25 m
VARDAflex RGB Double IP68	12	14.4	8		12.5 m			12.5 m
VARDAflex RGB Double IP68	24	14.4	8	5.2 m	25 m			25 m
VARDAflex Outdoor RGBW Intelligence Eight	24	15	5					
VARDAflex Neon RGBW	24	15	5	6.6 m	32 m			32 m
VARDAflex Neon RGBW Intelligence Eight	24	15	5					
VARDAflex Double RGB+W+A	24	19.2	3					
VARDAflex RGB+W+A	24	19.2	5					
VARDAflex Nova RGB Double	24	19.2	5	3.9 m	18.7 m			18.7 m
VARDAflex 4inOne-60	24	19.2	5	5.2 m	25 m			25 m
VARDAflex Nano RGBW (one chip) IP66	24	19.2	2	5.2 m	25 m			25 m
VARDAflex Neon Top RGBW Intelligence Twelve	24	22	5					
VARDAflex RGB Ultra	24	23	5	3.2 m	15.6 m			15.6 m
VARDAflex 5inOne-60	24	24	5					
VARDAflex 5inOne-96	24	25	5					
VARDAflex RGB+W+WW	24	26	5					
VARDAflex 4inOne-84	24	27	5	3.7 m	17.7 m			17.7 m
VARDAflex RGB Para	24	28	5	2.6 m	12.8 m			12.8 m
VARDAflex RGB+W+WW	24	28.8	3					
VARDAflex RGB Side Ultra	24	32	5	2.3 m	11.2 m			11.2 m
Type luminaires								
LARA round / LARA 316 IP55	12	2.8			85 Stück		85 Stück	85 Stück
LARA square	12	2.5			96 Stück		96 Stück	96 Stück
LARA square 2er	12	5			48 Stück		48 Stück	48 Stück
LARA square 3er	12	7.5			32 Stück		32 Stück	32 Stück

	80720	80200 / 80270	80205	80220	80206	80474	80473	89502	88510	80491
	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC	12 V / 24 V DC
	240 W / 480 W	240 W / 480 W	384 W / 768 W	240 W / 480 W	300 W / 600 W	96 W / 192 W	120 W / 240 W	36 W / 72 W	100 W / 200 W	240 W / 480 W
	DALI actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-5 farbig	Switch / 1-10 V (potentiometer)	Switch / 1-10 V (potentiometer)	Touchdimmer (for profiles)	IP68 - Repeater 1-3 colours	Repeater 1-4 colours
	472	474	475	476	477	487	487	490	488	489
	22.8 m	22.8 m	36.5 m	22.8 m	22.8 m				6.2 m	22.8 m
	22.8 m	22.8 m	36.5 m	22.8 m	22.8 m				6.2 m	22.8 m
	22.8 m	22.8 m	36.5 m	22.8 m	28.5 m	9.1 m	11.4 m	3.4 m	9.5 m	22.8 m
	21.8 m	21.8 m	34.9 m	21.8 m	27.2 m	8.7 m	10.9 m	3.2 m	9 m	21.8 m
	20.8 m	20.8 m	33.3 m	20.8 m	26 m	8.3 m	10.4 m	3.1 m	8.6 m	20.8 m
	22.8 m	22.8 m	36.5 m	22.8 m	22.8 m				6.2 m	22.8 m
	22.8 m	22.8 m	36.5 m	22.8 m	22.8 m				6.2 m	22.8 m
	22.8 m	22.8 m	36.5 m	22.8 m	28.5 m	9.1 m	11.4 m	3.4 m	9.5 m	22.8 m
	21.8 m	21.8 m	34.9 m	21.8 m	27.2 m	8.7 m	10.9 m	3.2 m	9 m	21.8 m
	20.8 m	20.8 m	33.3 m	20.8 m	26 m	8.3 m	10.4 m	3.1 m	8.6 m	20.8 m
	20.8 m	20.8 m	33.3 m	20.8 m	26 m	8.3 m	10.4 m	3.1 m	8.6 m	20.8 m
	20 m	20 m	32 m	20 m	25 m	8 m	10 m	3 m	8.3 m	20 m
	20 m	20 m	32 m	20 m	25 m	8 m	10 m	3 m	8.3 m	20 m
	20 m	20 m	32 m	20 m	25 m	8 m	10 m	3 m	8.3 m	20 m
	9.7 m	9.7 m	15.6 m	9.7 m	12.2 m	3.9 m	4.8 m	1.4 m	4 m	9.7 m
	8.3 m	8.3 m	13.3 m	8.3 m	10.4 m	3.3 m	4.1 m	1.2 m	3.4 m	8.3 m
	16.6 m	16.6 m	27.6 m	16.6 m	20.8 m				4.5 m	16.6 m
	13.3 m	13.3 m	21.3 m	13.3 m	16.6 m	5.3 m	6.6 m	2 m	5.5 m	13.3 m
	12 m	12 m	19.2 m	12 m	15 m	4.8 m	6 m	1.8 m	5 m	12 m
	11.4 m	11.4 m	18.2 m	11.4 m	14.2 m	4.5 m	5.7 m	1.7 m	4.7 m	11.4 m
	10.2 m	10.2 m	16.3 m	10.2 m	12.7 m	4 m	5.1 m	1.5 m	4.2 m	10.2 m
	9 m	9 m	14.5 m	9 m	11.3 m	3.6 m	4.5 m	1.3 m	3.7 m	9 m
	60 m	60 m	96 m	60 m	60 m				33.3 m	60 m
	25 m	25 m	40 m	25 m	25 m				13.8 m	25 m
	50 m	50 m	80 m	50 m	50 m				27.7 m	50 m
	25 m	25 m	40 m	25 m	25 m				13.8 m	25 m
	50 m	50 m	80 m	50 m	50 m					50 m
	30 m	30 m	48 m	30 m	30 m				16.6 m	30 m
	30 m	30 m	48 m	30 m	30 m				16.6 m	30 m
	30 m	30 m	48 m	30 m	30 m				16.6 m	30 m
	30 m	30 m	48 m	30 m	30 m				16.6 m	30 m
	25 m	25 m	40 m	25 m	25 m				13.8 m	25 m
	12.5 m	12.5 m	20 m	12.5 m	12.5 m				6.9 m	12.5 m
	25 m	25 m	40 m	25 m	25 m				13.8 m	25 m
	25 m	25 m	40 m	25 m	25 m				13.8 m	25 m
	12.5 m	12.5 m	20 m	12.5 m	12.5 m				6.9 m	12.5 m
	25 m	25 m	40 m	25 m	25 m				13.8 m	25 m
	32 m	32 m	51.2 m	32 m	32 m					32 m
					31.2 m					
					31.2 m					
	18.7 m	18.7 m	30 m	18.7 m	18.7 m				10.4 m	18.7 m
	25 m	25 m	40 m	25 m	25 m					25 m
	25 m	25 m	40 m	25 m	25 m					25 m
	15.6 m	15.6 m	25 m	15.6 m	15.6 m				8.6 m	15.6 m
					25 m					
					24 m					
					23 m					
	17.7 m	17.7 m	28.4 m	17.7 m	17.7 m					17.7 m
	12.8 m	12.8 m	20.5 m	12.8 m	12.8 m				7.1 m	12.8 m
					20.8 m					
	11.2 m	11.2 m	18 m	11.2 m	11.2 m				6.2 m	11.2 m
	85 Stück	85 Stück	137 Stück	85 Stück	107 Stück	34 Stück	42 Stück	12 Stück	35 Stück	85 Stück
	96 Stück	96 Stück	153 Stück	96 Stück	120 Stück	38 Stück	48 Stück	14 Stück	40 Stück	96 Stück
	48 Stück	48 Stück	76 Stück	48 Stück	60 Stück	19 Stück	24 Stück	7 Stück	20 Stück	48 Stück
	32 Stück	32 Stück	51 Stück	32 Stück	40 Stück	12 Stück	16 Stück	4 Stück	13 Stück	32 Stück

Dimmer and controller constant current RF, KNX , DALI, DMX, 1 - 10 V

			Article no.	**80440**	**80110**	**80790**	
			Input	12-24 V DC	12-24 V DC	230 V AC	
			Output Current mA	4x 350 mA	4x 350 mA	250 - 1000 mA	
			Last in W min ... max.	4 x 4.2 W (12 V) 4 x 8.4 W (24 V)	4 x 4.2 W (12 V) 4 x 8.4 W (24 V)	1 x max. 48 W (acc. output current)	
			Type	RF-Controller 1-4 colours	KNX actuator 1-4 colours	DALI Dimm actuator	
			Page	460	463	466	
			Important: The secondary side of the converter must be wired before starting the converter up				
Type	**Page**	**Power Watt**	**Current mA**				
LED Downlight CALA 10 W	16	10.2	250			1 piece	
SILA LED recessed downlights	12	10	300			1 piece	
LED light point	40	1	350	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	
LED light point movable	41	1	350	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	
TULKA light point movable	46	1	350	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	
Melimar Minitube light point	39	1	350	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	
Wall recesssed spotlight	60	1	350	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	
TRIO Color RGB Spot	129	3	350	6 pieces	6 pieces		
Melimar 3.2 W light point	38	3.2	350	8/Device; 2/Channel	8/Device; 2/Channel	5 pieces	
Melimar 3.7W	35	3.7	350	8/Device; 2/Channel	8/Device; 2/Channel	4 pieces	
Power LED module 6.2W	126	6.2	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
R5788 COB IP44	42,43	6.5	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
RINCA LED recessed downlights	33	6.9	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
GLAW LED recessed downlights	22	7	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
TALU Dim To Warm	25	7	350				
Power LED module Dim To Warm	127	7	350				
HYELLE LED glass recessed downlight	21	8	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
TALU Compact	26,27,28,29	8	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
TALU stretched ceilings	30	8	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
RINCA LED recessed downlights	32	8	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
TULKA 8 W COB IP55	47	8	350	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	
TALU Power	31	10	350			1 piece	
Power LED module 10 W	128	10	350			1 piece	
CALINA	44	13	350			1 piece	
CALINA Dim To Warm	45	13	350				
LED Downlight CALA 14 W	17	14.3	350			1 piece	
QILE RGBW recessed downlights	36	23.55	350	1 piece	1 piece		
NINQITA LED recessed downlights	13	15	400			1 piece	
SILA LED recessed downlights	12	20	500			1 piece	
GLIN LED recessed downlights	20	20	500			1 piece	
Power LED module 18 W	131	18	500			1 piece	
SILA LED recessed downlights	12	25	600			1 piece	
MR-11 Power LED module 5.2 W	125	5.2	600			5 pieces	
Melimar 6 W	34	6	600			4 pieces	
LED Downlight CALA 6 W	15	6	600			4 pieces	
LED Downlight CALA 25 W	18	24.5	600			1 piece	
LARA green house	56	2.5	700			6 pieces	
Furniture recessed downlights 4.2 W	49	4.2	700			6 pieces	
Focusable COB	23	6.9	700			4 pieces	
Power LED module 13 W	130	13	700			2 pieces	
NINQITA LED recessed downlights	13	25	700			1 piece	
SILA LED recessed downlights	12	30	700			1 piece	
NINQITA LED recessed downlights	13	35	900			1 piece	
LED Downlight CALA 41 W	19	40.9	1000			1 piece	
NINQITA LED recessed downlights	13	50	1200				

	80791	80795	80799	80730	80290	80395	80475
	230 V AC	230 V AC	230 V AC	12-24 V DC	12-24 V DC	230 V AC	12-24 V DC
	1050 - 1800	1 x 350 mA	1 x 350 mA	4 x 350mA	4 x 350mA	1 x 350mA	4 x 350mA
	1 x max. 50 W (acc. output current)	1 x 15 W	1 x 8 W	4 x 4.2 W (12 V) 4 x 8.4 W (24 V)	4 x 4.2 W (12V) 4 x 8.4 W (24 V)	1 x15 W	4 x 4.2 W (12 V) 4 x 8.4 W (24 V)
	DALI Dimm actuator	DALI Dimm actuator	DALI Dimm actuator	DALI actuator 1-4 colours	DMX actuator 1-4 colours	0/1-10 V Dimm actuator	1-10 V Dimm actuator
	466	466	466	468	473	485	486
	so that the lights are protected against excessive start-up current (series wiring).						
		6 pieces	6 pieces	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	24/Device; 6/Channel
		6 pieces	6 pieces	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	24/Device; 6/Channel
		6 pieces	6 pieces	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	24/Device; 6/Channel
		6 pieces	6 pieces	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	24/Device; 6/Channel
		6 pieces	6 pieces	24/Device; 6/Channel	24/Device; 6/Channel	6 pieces	24/Device; 6/Channel
				6 pieces	6 pieces		6 pieces
		4 pieces	2 pieces	8/Device; 2/Channel	8/Device; 2/Channel	4 pieces	8/Device; 2/Channel
		4 pieces	2 pieces	8/Device; 2/Channel	8/Device; 2/Channel	4 pieces	8/Device; 2/Channel
		2 pieces	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	4/Device; 1/Channel
		2 pieces	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	4/Device; 1/Channel
		2 pieces	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	4/Device; 1/Channel
		2 pieces	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	2 pieces	4/Device; 1/Channel
		1 piece	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	1 piece	4/Device; 1/Channel
		1 piece	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	1 piece	4/Device; 1/Channel
		1 piece	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	1 piece	4/Device; 1/Channel
		1 piece	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	1 piece	4/Device; 1/Channel
		1 piece	1 piece	4/Device; 1/Channel	4/Device; 1/Channel	1 piece	4/Device; 1/Channel
		1 piece				1 piece	
		1 piece				1 piece	
		1 piece				1 piece	
		1 piece				1 piece	
				1 piece	1 piece		1 piece
	1 piece						



Perfect light - smart controlled

Smart light controll can be so easy today.
You can control by tablet or smart phone easily and you can create cosy environment

In past you had to find the right switch.
Now you just download an App and you can just start.

RADEMACHER
Bewegt mehr.

CASAMBI

Suitable controllers you find oh the folowing pages.



80479



80495



80462

Remote control with colour wheel 4 zones

- highly - sensitive and stable touch colour wheel
- quick, precise colour control
- control of 4 zones independently - each zone can be switched on and off separately
- 3 colours can be saved for each zone using keys S1, S2 or S3
- carrier frequency: 868 MHz
- colour changing speed adjustable smoothly
- remote control range: 30 metres
- **without battery**

RGBW controller master

- extension with RGBW repeater 80491 possible
- high power: 240 W (12 V), 480 Watt (24 V)
- usable as slave (Jumper)

RGBW controller Set

RGBW controller with remote control

- high power: 240 W (12 V), 480 W (24 V)
- incl. Remote control
- 10 various modes
- 1 zone
- remote control range: 30 metres
- extension with RGBW repeater 80491 possible
- with memory effect

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



for 80479: Receiver 80462



for 80462: Remote control 80479



ORDERING INFORMATION

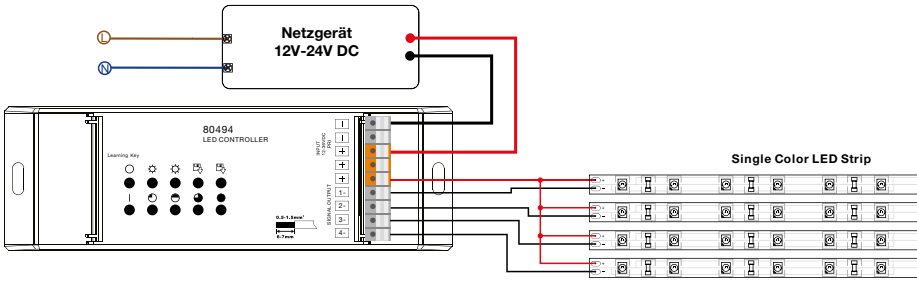
Type	Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
RGBW Remote control	3 x AAA			plastic	55 x 120 x 17	- 20 - +50	80479
Receiver RGBW	12 - 24	12 - 24	4 x 60 W (12 V). 4 x 120 W (24 V)	plastic	166 x 54 x 23	- 20 - +50	80462
RGBW Controller set with remote control	12 - 24	12 - 24	4 x 60 W (12 V). 4 x 120 W (24 V)	plastic	166 x 54 x 23	- 20 - +50	80495



LED controller set - single-colour 12 V / 24 V

with remote control

- high power 240 W (12 V), 480 W (24 V)
- incl. remote control
- remote control range: 30 metres
- 2 scenes can be saved
- carrier frequency: 868 MHz
- extension with repeater 80491 or 88510
- with memory effect



Parallel

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



ORDERING INFORMATION

Type	Input V DC	Output V DC	Power max.	Housing	Size mm	Temperature range °C	Article no.
Set single-colour	12 - 24	12 - 24	4 x 60 W (12 V). 4 x 120 W (24 V)	plastic	166 x 53.4 x 23	- 20 - +50	80494



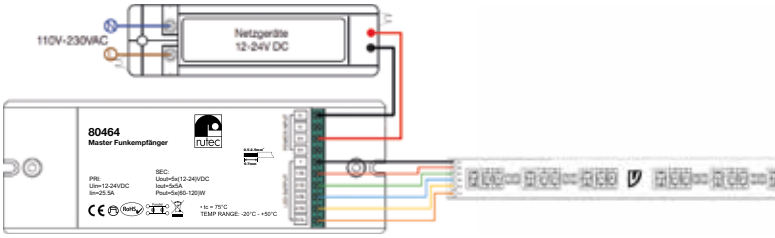


Remote control with colour wheel 4 zones

- highly - sensitive and stable touch colour wheel
- quick, precise colour control
- control of 4 zones independently - each zone can be switched on and off separately
- 4 colours can be saved for each zone using keys S1, S2, S3 or S4
- carrier frequency: 868 MHz
- colour sequence speed adjustable in 8 levels
- the colour sequence can simply be adjusted by tapping or wiping the colour wheel
- remote control range: 30 metres
- without battery

RGB+W+WW controller master

- high power 300 W (12 V), 600 W (24 V)



Parallel

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



ORDERING INFORMATION

Type	Input V DC	Output V DC	Power max.	Housing	Size mm	Temperature range °C	Article no.
Remote control	3 x AAA			plastic	153 x 52 x 19	- 20 - +50	80477
Receiver RGB+W+WW	12 - 24	12 - 24	5 x 60 W (12 V). 5 x 120 W (24 V)	plastic	170 x 59 x 29	- 20 - +50	80464

80478





80460

RGB Remote control with colour wheel
4 zones

- highly - sensitive and stable touch colour wheel
- quick, precise colour control
- control of 4 zones independently - each zone can be switched on and off separately
- carrier frequency: 868 MHz
- colour sequence speed adjustable in 8 levels
- the colour sequence can simply be adjusted by tapping or wiping the colour wheel
- remote control range: 30 metres
- **without battery**

RGB Controller
Master

- programmable
- extension with RGB repeater 80491 or 88510 possible
- high power: 240 W (12 V), 480 Watt (24 V)

REQUIRED ACCESSORIES

LED power supplies
see overview
page 414



for 80478:
Receiver 80460



for 80460:
Remote control
80478



ORDERING INFORMATION

Type	Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range	Article no.
RGB Remote control	3 x AAA			plastic	55 x 120 x 17	- 20 - +50	80478
Receiver RGB	12 - 24	12 - 24	3 x 96 W (12 V). 3 x 192 W (24 V)	plastic	168 x 58 x 28	- 20 - +50	80460



Remote control touchpanel, 230 V AC, 4 zones RGBW

NEW

Remote control touchpanel, 4 zones RGBW, including power supply for 230 V AC connection

- for indoor use
- material: plastic/glass
- IP20
- voltage: 100 - 230 V AC, 50 Hz
- standby power: 1.2 W
- transmission power: max. 1.5 W
- remote control range: 30 metres with clear view
- carrier frequency: 868 MHz
- maximum cable cross-section at terminal: 1.5 mm²
- dimmer range 0 - 100 %
- with memory effect
- control up to 4 zones independently
- highly sensitive touch colour wheel
- quick, precise colour control
- selection of 10 different preprogrammed colour gradients
- dimming and switching of single and mixed colours
- per zone: 4 memory functions for colour scene or - sequence
- **storable up to 8 touch panels per radio receiver (excecpt for 80460/80560)**

REQUIRED ACCESSORIES

Remote control actuators
e.g . 80440, 80450, ,
80462, 80560



ORDERING INFORMATION

Model/Type	Input V AC	Output MHz	Power W	Size mm	Temperature range °C	Colour	Article no.
4 zones RGBW	100-230	868	max 1.5	86 x 86 x 42	- 20 to +50	glass - black	80540



RF wall switch

NEW

rutec radio control switches 1, 2 or 4 channel have 1, 2 or 4 zones for single-coloured controls.
Suitable for all switching programmes with internal size of 55 x 55 mm (not suitable for rounded corners).

- for indoor use
- material: plastic
- IP20
- voltage: 3 V battery CR2430 (not included in scope of delivery)
- remote control range: 30 metres with clear view
- carrier frequency: 868 MHz
- dimmer range 0,1 - 100 %
- with memory effect
- control up to 4 zones independently
- dimming and switching of single-colour luminaires
- up to 8 radio control switches can be saved per receiver

REQUIRED ACCESSORIES

Remote control actuators
e. g. 80440, 80450,
80560, 80462



ORDERING INFORMATION

Model/Type	Input	Output	Size mm	Colour	Temperature range °C	Article no.
RF Wall switch 1 channel	3 V battery CR2430	868 MHz	80.9 x 80.9 x 14.3	white	-20 -+50	80570
RF Wall switch 2 channel	3 V battery CR2430	868 MHz	80.9 x 80.9 x 14.3	white	-20 -+50	80571
RF Wall switch 4 channel	3 V battery CR2430	868 MHz	80.9 x 80.9 x 14.3	white	-20 -+50	80574



80576



80577



80578



80579

Remote control hand transmitter

NEW

rutec RF hand transmitter have up to 4 zones (except 80578) and are suitable for single-colour, select or RGBW receiver.

- for indoor use
- material: plastic
- IP20
- voltage for 80578 and 80579:
  3 V battery CR2025 (not included in scope of delivery)
- voltage for 80576 and 80577:
  3x AAA battery (not included in scope of delivery)
- remote control range: 30 metres with clear view
- carrier frequency: 868 MHz
- dimmer range 0,1 - 100 %
- with memory effect
- independent control up to 4 zones (except 80578)
- highly sensitive touch colour wheel (except 80578 and 80579)
- fast and precise colour or brightness control
- dimming and switching of single and mixed colours
- per zone: 3 short-cut keys for individual light scenes
  (except 80578 and 80579)

REQUIRED ACCESSORIES

Remote control actuators
e. g. 80440, 80450,
80560, 80462



ORDERING INFORMATION

Model/Type	Input	Output	Size mm	Temperature range °C	Article no.
2-channel Select 4 zones	3 x AAA	868 MHz	120 x 55 x 17	-20 -+50	80576
1-channel single-colour 4 zones	3 x AAA	868 MHz	120 x 55 x 17	-20 -+50	80577
4-channel RGBW 1 zone	3 V CR2025	868 MHz	136.5 x 40 x 11.5	-20 -+50	80578
1-channel single-colour 4 zones	3 V CR2025	868 MHz	136.5 x 40 x 11.5	-20 -+50	80579



80450



80440



80560

RF receiver 1-4 colours

NEW

The RF receiver 80440 (constant current) and 80450 (constant voltage) are able to control 1-4 coloured LEDs. The synchronousization of the RF receiver takes place via 3-pole data bus, which can be led up to 30 m from controller to controller (except 80560).

- for indoor use
- material: plastic
- IP20 (except 80560 - IP67)
- voltage: 12 V or 24 V DC
- Power 80450/80560: 4 x 60 W with 12 V / 4 x 120 W with 24 V
- Power 80440: 4 x 4.2 W with 12 V / 4 x 8.4 W with 24 V
- carrier frequency: 868 MHz
- maximum cable cross-section at terminal: 0.5 mm²- 1.5 mm² (except 80560 - open cable end)
- Synchronization via 3-pole data bus (except 80560
- with memory effect
- up to 8 hand transmitter can be saved
- extension for 80560 with repeater 80491 possible

REQUIRED ACCESSORIES

transmitter
e. g. 80479, 80570, 80571, 80574, 80576, 80577, 80578 and 80579

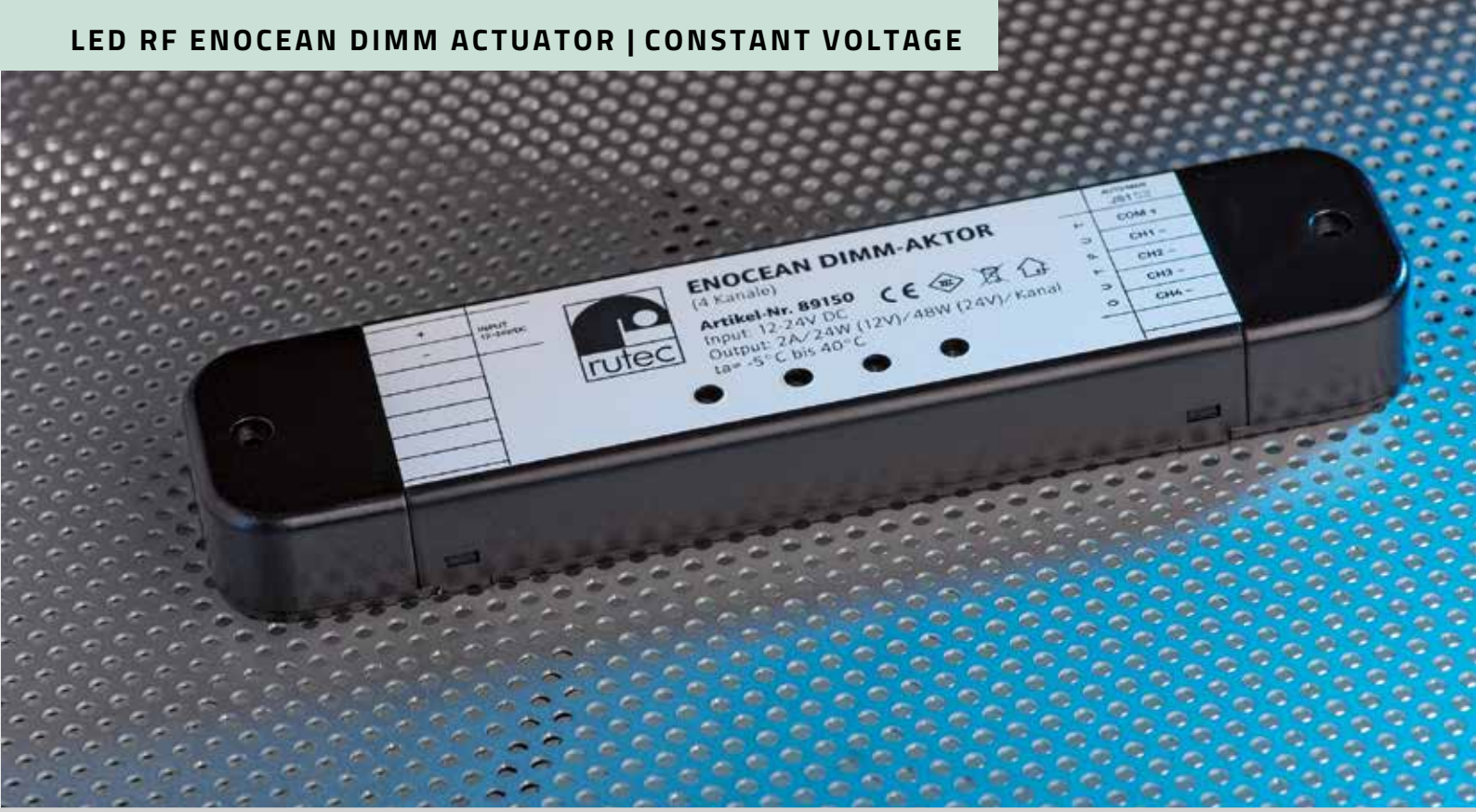


80450/80440 80560 80450/80560 80440

IP67 Parallel series connection RoHS REACH

ORDERING INFORMATION

Model/Type	IP	Input V DC	Output DC	Power W	Size mm	Temperature range °C	Article no.
RF Receiver 1-4 colours	20	12/24	4 x 350 mA	4 x 4.2 W / 4 x 8.4 W	170 x 53.4 x 28	-20 -+50	80440
RF Receiver 1-4 colours	20	12/24	4 x 12 / 24 V	4 x 60 W / 4 x 120 W	170 x 53.4 x 28	-20 -+50	80450
RF Receiver 1-4 colours	67	12/24	4 x 12 / 24 V	4 x 60 W / 4 x 120 W	180.5 x 73.6 x 38	-20 -+50	80560



rutec EnOcean dimm actuator

LED dimmer for EnOcean bus systems - constant voltage 12 - 24 V

- for 1-4 coloured LED strips
- for indoor use
- carrier frequency: 868 Mhz
- dimmer range 0 - 100 %
- range: 30 m (interior rooms)
- max. no. of participants: 32
- IP20
- protection class III, CE, RoHS
- protection against short - circuit, overload and overvoltage
- no minimum load necessary
- primary and secondary - sided one supply and feed line

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)

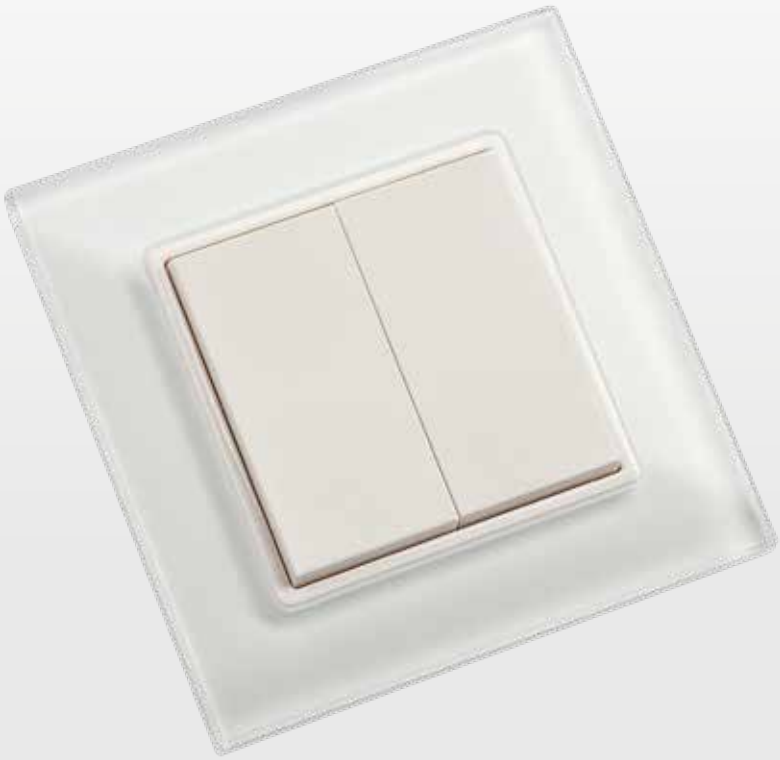


EnOcean transmitter page 462



ORDERING INFORMATION

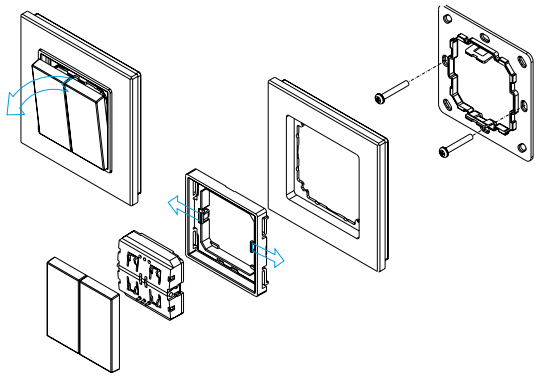
Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 24 W (12 V); 4 x 48 W (24 V)	plastic	187 x 44 x 19	- 5 - +40	89150



EnOcean transmitter

LED switch for EnOcean bus systems

- for indoor use
- 1 zone
- IP20
- suitable for fitting in standard switch or hollow wall boxes
- glass frames white
- protection class III, CE, RoHS
- transmitter range: 30 m (interior rooms)
- no battery necessary
- carrier frequency: 868 MHz



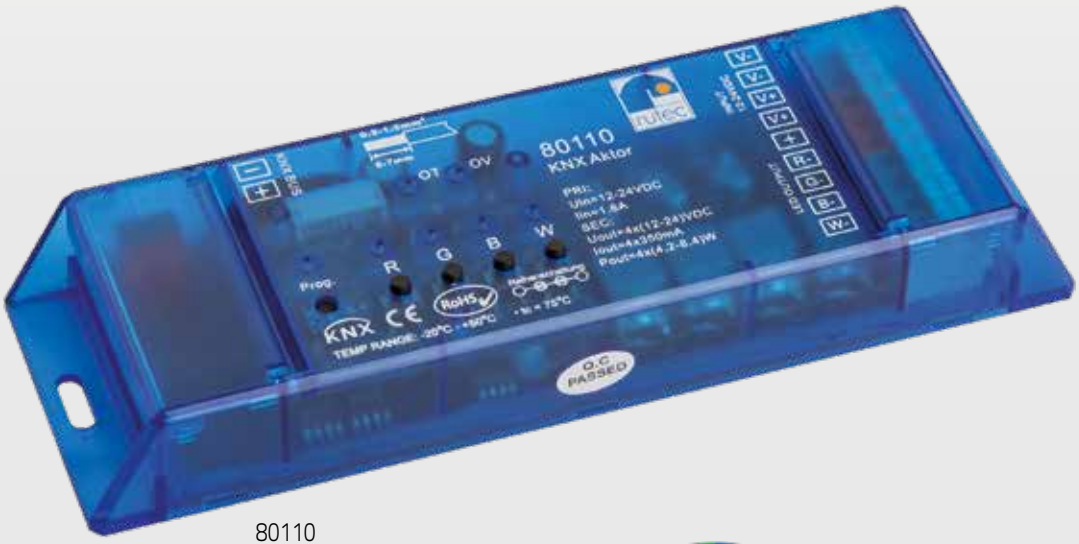
REQUIRED ACCESSORIES

EnOcean receiver
page 461



ORDERING INFORMATION

Type	Size mm	Colour	Article no.
Transmitter	86 x 86 x 13.8	glass - white	80194

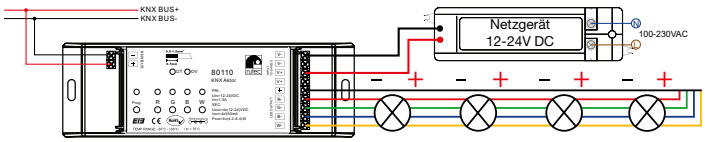


80110

rutec KNX actuator DC 350 mA

constant current, 1 - 4 colours

- system requirements: ETS 3.0F or higher
- 4 independent channels 350 mA
- for indoor use (IP20)
- plug connectors
- protection against short - circuit, overvoltage and overtemperature
- manual settings possible using buttons on device
- application on www.rutec.de
- optical LED warnings for overtemperature(OT) and overvoltage (OV)
- optical LED display for normal operation and address setting
- device is produced to EN605299
- protection class III, CE, RoHs



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



KNX visualisation or KNX convenience switch

ORDERING INFORMATION

Input V DC	Output DC	Power max.	Housing	Size mm	Temperature range °C	Article no.
12 - 24	4 x 350 mA	4 x 4.2 W (12 V). 4 x 8.4 W (24 V)	plastic	166 x 54 x 23	- 20 - +50	80110



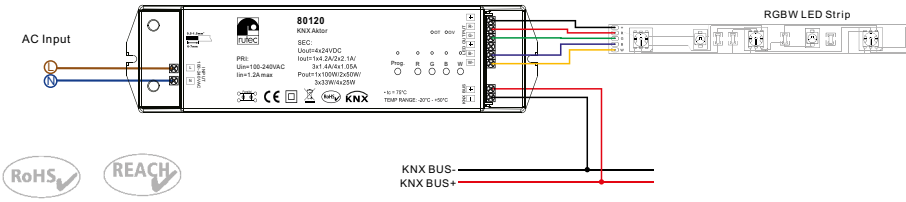
80120

KNX

rutec KNX actuator AC constant voltage

constant voltage 1 - 4 colours

- system requirements: ETS 3.0F or higher
- for indoor use (IP20)
- plug connectors
- protection against short - circuit, overvoltage and overtemperature
- manual settings possible using buttons on device
- application on www.rutec.de
- optical LED warnings for overtemperature (OT) and overvoltage (OV)
- optical LED display for normal operation and address setting
- device is produced to EN605299
- total power: 1 x 100 W; 2 x 50 W; 3 x 33 W, 4 x 25 W
- protection class II, CE, RoHS



CE Parallel KNX RoHS REACH

REQUIRED ACCESSORIES

KNX visualisation
or
KNX convenience switch

ORDERING INFORMATION

Input V AC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
100 - 240	24	1 x 100; 2 x 50; 3 x 33. 4 x 25	plastic	244 x 64 x 32	- 20 - +50	80120



80100

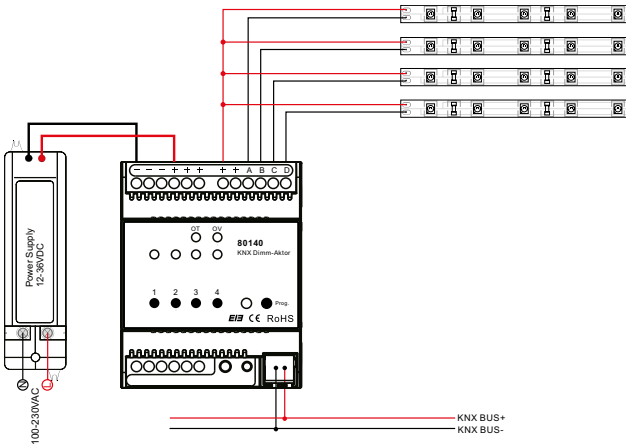
80140



rutec KNX actuator DC

constant voltage 4 - channels single-colour or multicolour

- single-colour or multi -colour can be set using software
- system requirements: ETS 3.0F or higher
- 4 independent channels 5 A / channel
- for indoor use (IP20)
- plug connectors (except 80140 - screw connector)
- protection against short - circuit, overvoltage and overtemperature
- manual settings possible using buttons on device
- optical LED warnings for overtemperature (OT) and overvoltage (OV)
- optical LED display for normal operation and address setting
- device is produced to EN605299
- total power: 240 W (12 V), 480 W (24 V)
- application on www.rutec.de
- protection class III, CE, RoHs



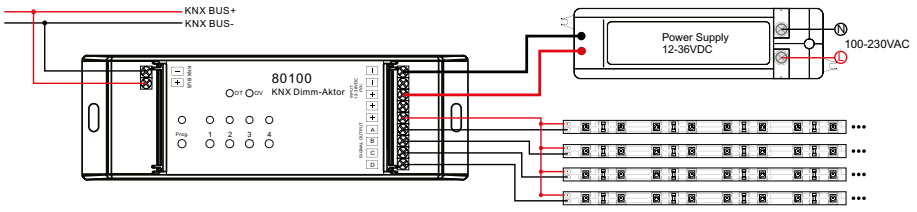
Parallel

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



KNX visualisation or KNX convenience switch



ORDERING INFORMATION

Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 60 W (12 V). 120 W (24 V)	plastic	166 x 54 x 23	- 20 - +50	80100
12 - 24	12 - 24	4 x 60 W(12 V). 120 W (24 V)	plastic	90.1 x 72 x 66.4	- 20 - +50	80140

COMPATIBLE WITH: CASAMBI

80790





80795



80799

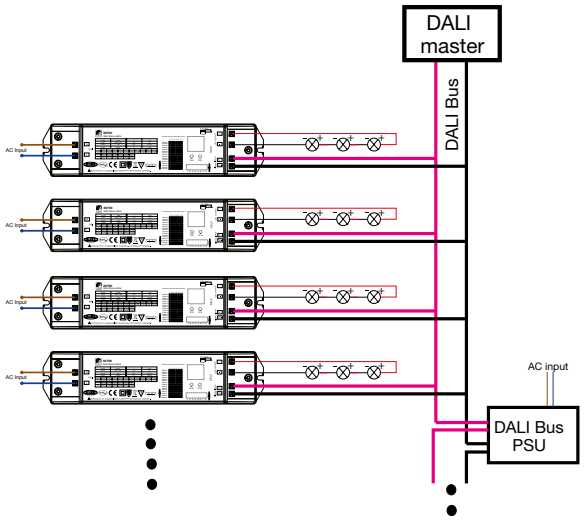
rutec DALI dimm actuator AC

1 address, 1 channel single-colour

- you can adjust the DALI address manually and it will be shown in digital display - automatically addressable from master controller
- in acc. w. DALI standard protocol IEC60929 - suitable for standard DALI devices
- for indoor use
- IP20
- protection class II, CE, RoHS
- dimmer range: 0 - 100 %
- device Type: DT6
- **smart lighting control with DALI Blue-Tooth control unit for LED, CBU-ASD possible**

- total power with article no. 80790
  250 mA / 12 W
  350 mA / 16.8 W
  500 mA / 24 W
  600 mA / 28.8 W
  700 mA / 33.6 W
  1000 mA / 48 W

- total power with article no. 8079
  1050 mA / 50 W
  1200 mA / 50 W
  1800 mA / 46.6 W



REQUIRED ACCESSORIES

DALI rotary potentiometer with integrated power supply
e. g. Article no. 89494



ORDERING INFORMATION

	Input V AC	Output mA	Power Watt	Housing	Size mm	Temperature range °C	Article no.
	100 - 240	250 - 1000	see above	plastic	210 x 50 x 32	- 20 - +50	80790
NEW	100 - 240	1050 - 1800	see above	plastic	210 x 50 x 32	- 20 - +50	80791
	100 - 240	350	15	plastic	166 x 53.4 x 23	- 20 - +50	80795
	100 - 240	350	8	plastic	52 x 28	- 20 - +50	80799



DALI touchpanel, 230 V AC, 4 zones RGBW

DALI touchpanel, 4 zones RGBW, including power supply for 230 V AC connection

NEW

91

- for indoor use
- material: plastic, Glas
- IP20
- voltage: 100 - 230 V AC, 50 Hz
- standby power: 1.5 W
- transmission power: max. 4 W
- signal: DALI
- device Type: DT6
- maximum cable cross-section at terminal: 1.5 mm²
- DALI start address manually adjustable via 2 potentiometer
- per zone: address management of 4 addresses possible
- in acc. w. DALI standard protocol IEC60929, suitable for standard DALI devices
- dimmer range 0 - 100 %
- control up to 4 zones independently
- highly sensitive touch colour wheel
- quick, precise colour control
- Selection of 10 different preprogrammed colour gradients
- dimming and switching of single and mixed colours
- per zone: 4 memory functions for colour scene or - sequence
- **several DALI touch panels per DALI bus line possible**

REQUIRED ACCESSORIES

DALI actuator
e. g. 80730, 80715, 80775, 80720



ORDERING INFORMATION

Model/Type	Input V AC	Output	Power W	Size mm	Temperature range °C	Colour	Article no.
4 zones RGBW	100-230	DALI/DT6	max 4	86 x 86 x 42	- 20 to +50	glass - black	80530

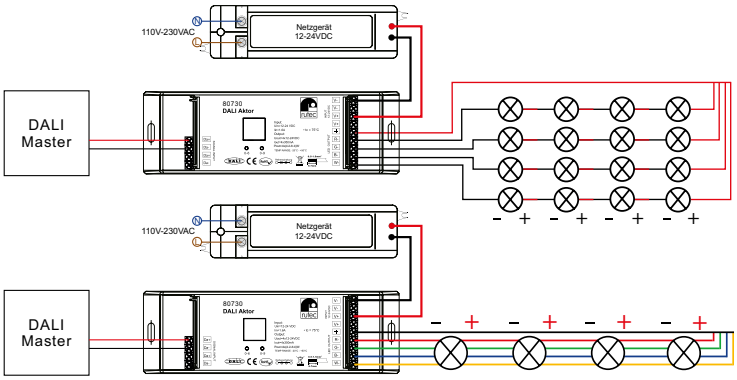
COMPATIBLE WITH: CASAMBI



rutec DALI dimm actuator DC

1-4 addresses, 1-4 channels, muliticolour, constant current

- LED dimmer for digital dimming with control performance
- DALI address manually adjustable and visible using digital display. Automatically addressable from master controller.
- in acc. w. DALI standard protocol IEC60929 - suitable for standard DALI devices
- for indoor use
- IP20
- dimmer range: 0 - 100 %
- 256 soft grey stages
- protection class III, CE, RoHS, REACH
- protection against short - circuit and overtemperature
- device Type: DT6
- **smart lighting control with DALI Blue-Tooth control unit for LED, CBU-ASD possible**



CE · RoHS · REACH · series connection · DALI

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



ORDERING INFORMATION

Input V DC	Output DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	4 x 350 mA	4 x 4.2 - 8.4 W	plastic	166 x 53.4 x 23	- 20 - +50	80730

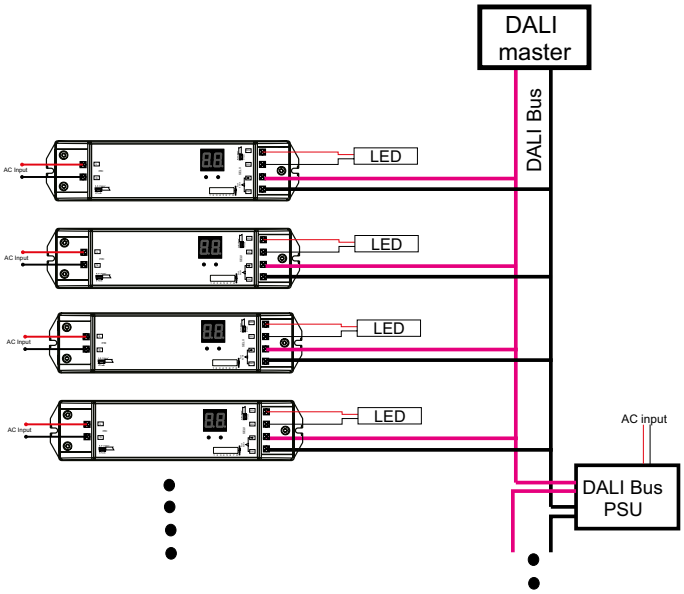
COMPATIBLE WITH: CASAMBI



rutec DALI dimm actuator AC 50 W

1 address, 1 channel single-colour

- DALI address manually adjustable and visible using digital display. Automatically addressable from master controller.
- in acc. w. DALI standard protocol IEC60929 - suitable for standard DALI devices
- for indoor use
- IP20
- protection class II, CE, RoHS
- dimmer range: 0 - 100 %
- total power: 50 W (24 V)
- device Type: DT6
- **smart lighting control with DALI Blue-Tooth control unit for LED, CBU-ASD possible**



REQUIRED ACCESSORIES

DALI rotary potentiometer with integrated power supply
e. g. Article no. 89494

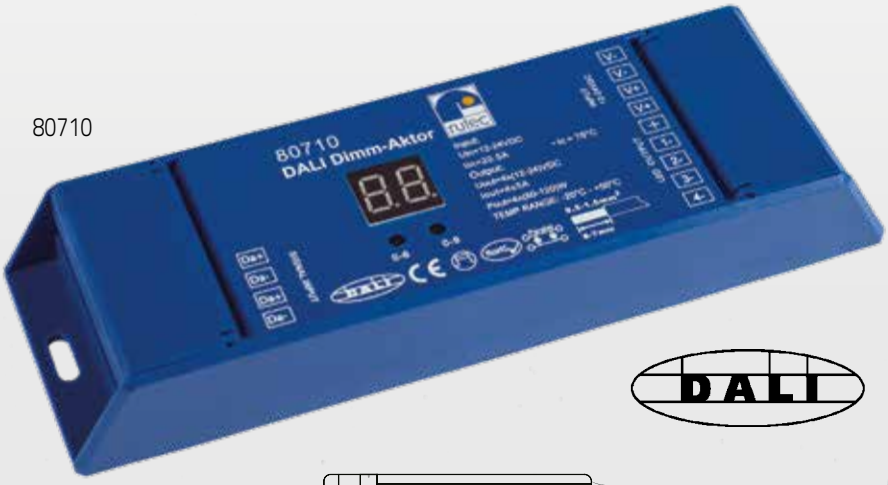


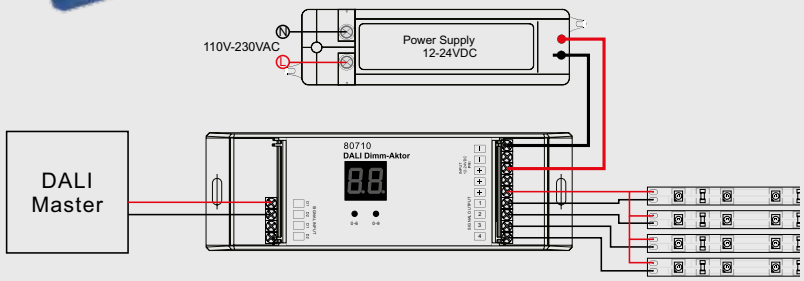
ORDERING INFORMATION

Input V AC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
100 - 240	24	1 x 50	plastic	210 x 32 x 50	- 20 - +50	80780

COMPATIBLE WITH: CASAMBI

80710





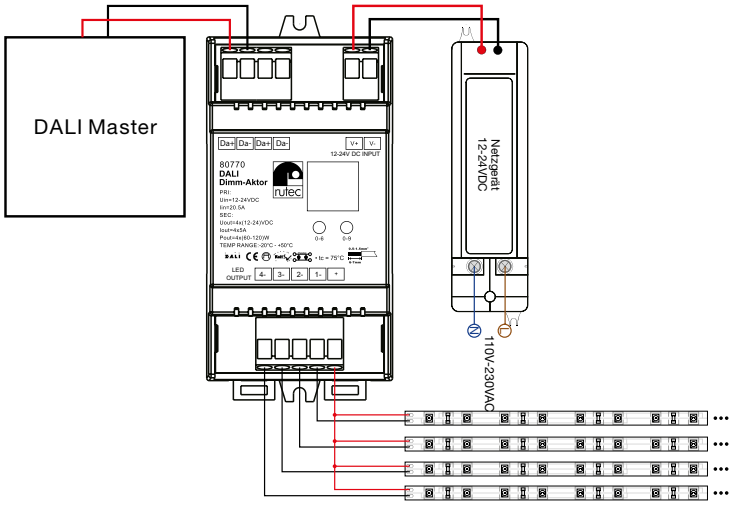


80770

rutec DALI dimm actuator DC

1 address, 4 channels, single-colour, constant voltage

- LED dimmer for digital dimming with control performance
- 1 address, 4 channels à 5 A synchronous
- DALI address manually adjustable and visible using digital display. Automatically addressable from master controller.
- in acc. w. DALI standard protocol IEC60929 - suitable for standard DALI devices
- for indoor use
- IP20
- dimmer range: 0 - 100 %
- 256 soft grey stages
- protection class III, CE, RoHS, REACH
- protection against short - circuit and overtemperature
- total power: 240 W (12 V), 480 W (24 V)
- device Type: DT6
- **smart lighting control with DALI Blue-Tooth control unit for LED, CBU-ASD possible**



REQUIRED ACCESSORIES

DALI rotary potentiometer with integrated power supply e. g. Article no. 89494



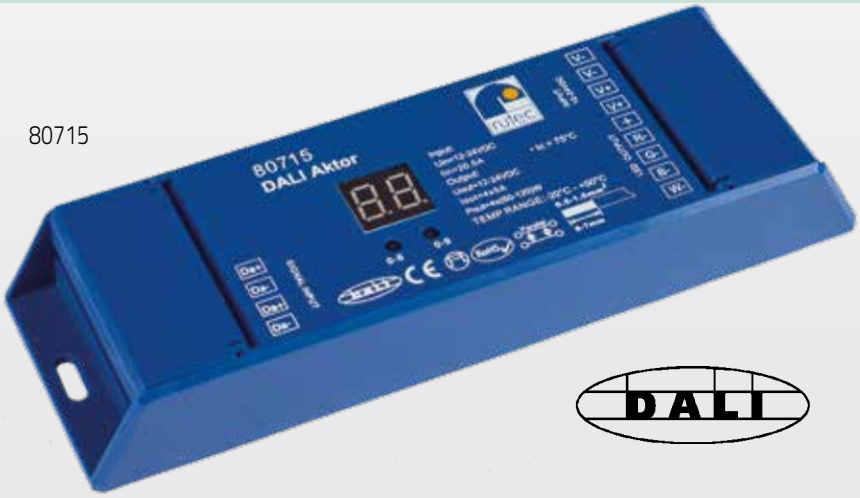
LED power supplies (see overview page 414)



ORDERING INFORMATION

Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 60 W (12 V). 120 W (24 V)	plastic	166 x 53.4 x 23	- 20 - +50	80710
12 - 24	12 - 24	4 x 60 W (12 V). 120 W (24 V)	plastic	53 x 105.5 x 65	- 20 - +50	80770

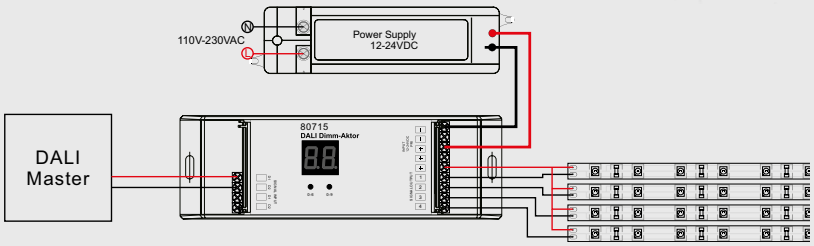
80715



COMPATIBLE WITH: CASAMBI



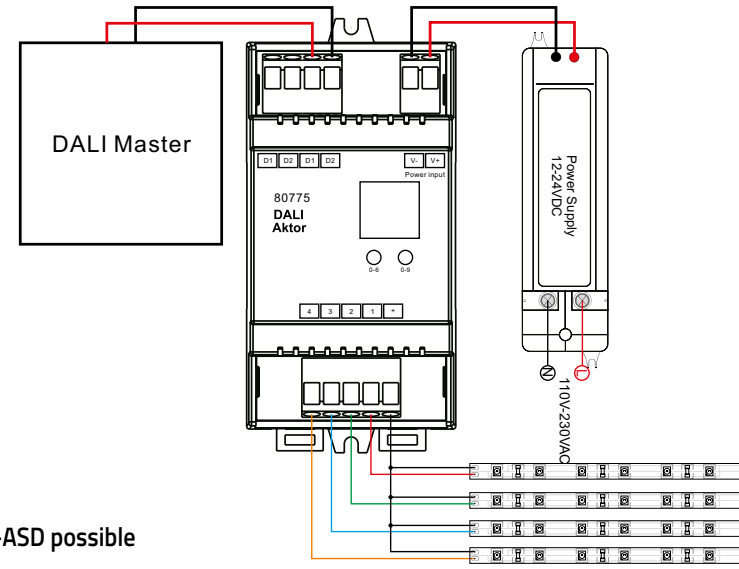
80775



rutec DALI actuator DC

1 - 4 addresses, 4 channels, muliticolour, constant voltage

- LED dimmer for digital colour mixing with soft control performance
- choose 1 - 4 colours with a switch
- 1 - 4 addresses - 4 channels á 5 A separate
- DALI address manually adjustable and visible using digital display. Automatically addressable from master controller.
- in acc. w. DALI standard protocol IEC60929 - suitable for standard DALI devices
- for indoor use
- dimmer range: 0 - 100 %
- protection class III, CE, RoHS, REACH
- protection against short - circuit and overtemperature
- total power: 240 W (12 V), 480 W (24 V)
- device Type: DT6
- **smart lighting control with DALI Blue-Tooth control unit for LED, CBU-ASD possible**



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



ORDERING INFORMATION

Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 60 W (12 V); 120 W (24 V)	plastic	166 x 53.4 x 23	- 20 - +50	80715
12 - 24	12 - 24	4 x 60 W (12 V); 120 W (24 V)	plastic	53 x 105.5 x 65	- 20 - +50	80775

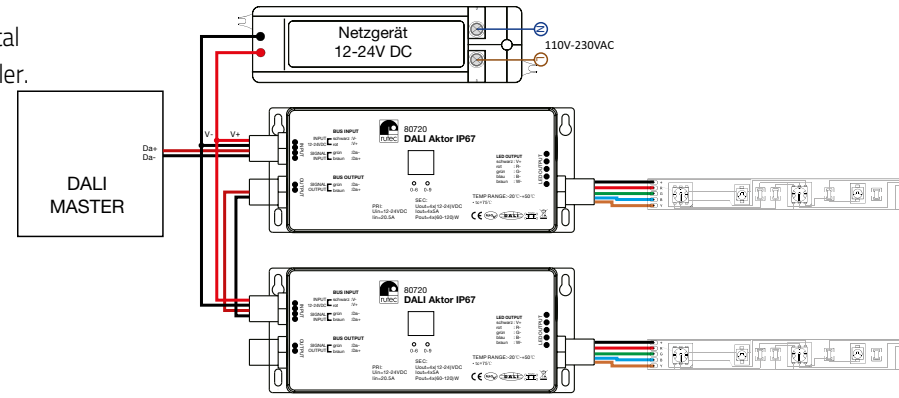
COMPATIBLE WITH: CASAMBI



rutec DALI dimm actuator DC IP67

1 - 4 addresses, 4 channels, muliticolour, constant voltage

- LED dimmer for digital colour mixing with soft control performance
- choose 1 - 4 colours with a switch
- 1 - 4 addresses - 4 channels á 5 A separate
- DALI address manually adjustable and visible using digital display. Automatically addressable from master controller.
- in acc. w. DALI standard protocol IEC60929 - suitable for standard DALI devices
- for indoor and outdoor use
- IP67
- dimmer range: 0 - 100 %
- protection class III, CE, RoHS, REACH
- protection against short - circuit and overtemperature
- total power: 240 W (12 V), 480 W (24 V)
- device Type: DT6
- **smart lighting control with DALI Blue-Tooth control unit for LED, CBU-ASD possible**



IP67 RoHS REACH Parallel DALI

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



ORDERING INFORMATION

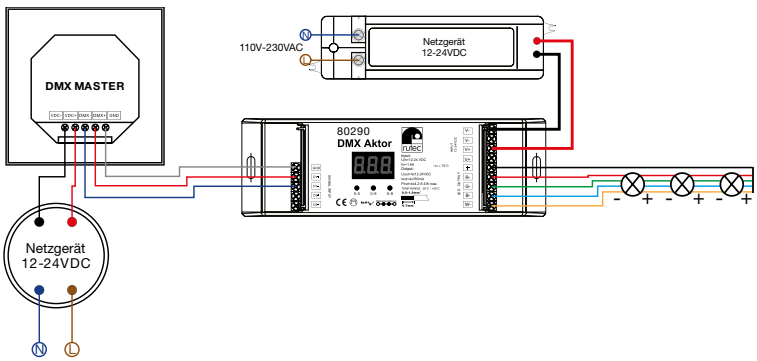
Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 60 W (12 V); 120 W (24 V)	plastic	235 x 74 x 38	- 20 - +50	80720



rutec DMX actuator

1 - 4 addresses, 1-4 channels, muliticolour, constant current

- max. 8.4 W (24 V) per channel
- DMX512
- DMX address freely adjustable and visible using digital display
- for indoor use
- IP20
- protection class III, CE, RoHS



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



OPTIONAL ACCESSORIES

DMX touchpanels (from page 480)



DMX digital wire Article no. 89990



ORDERING INFORMATION

Input V DC	Output DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	4 x 350 mA	4 x 4.2 W (12 V). 8.4 W (24 V)	plastic	166 x 53.4 x 23	- 20 - +50	80290



80200

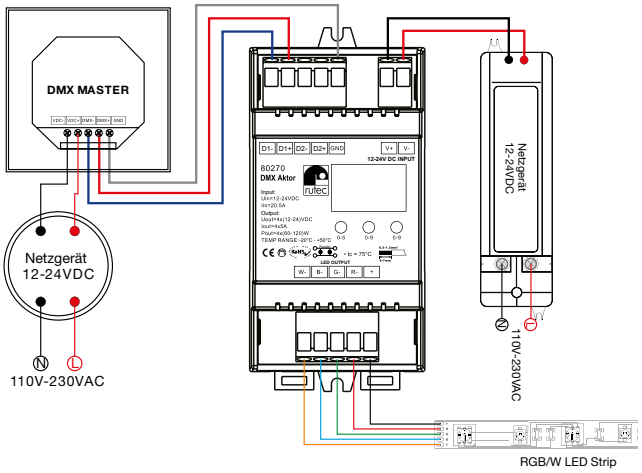


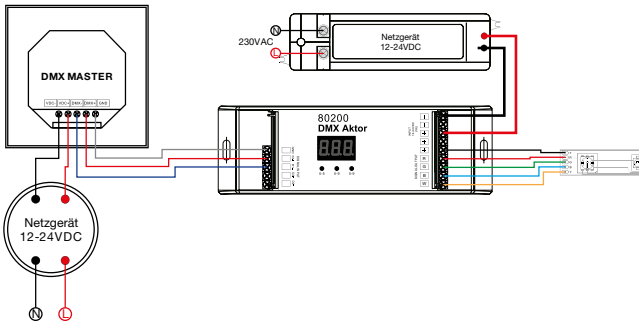
80270

rutec DMX actuator DC

1 - 4 addresses, 1 - 4 colours, constant voltage

- DMX512
- max. 5 A per channel
- DMX address freely adjustable and visible using digital display
- for indoor use
- IP20
- protection class III, CE, RoHS, REACH





REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



OPTIONAL ACCESSORIES

DMX touchpanels (from page 480)



TFT touchpanel Article no. 88458 (see page 483)



DMX digital wire Article no. 89990



ORDERING INFORMATION

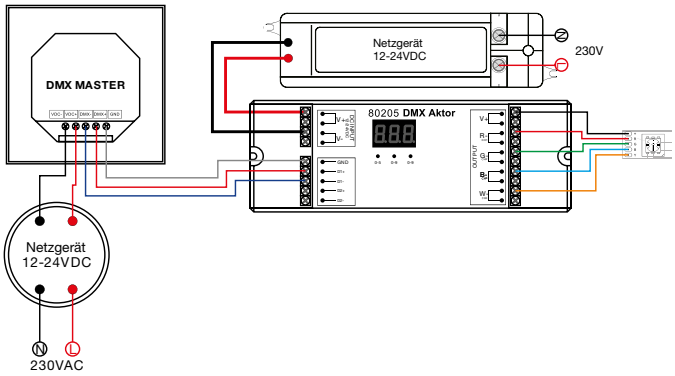
Input V DC	Output V DC	Output	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 60 W (12 V); 120 W (24 V)	plastic	166 x 53.4 x 23	- 20 - +50	80200
12 - 24	12 - 24	4 x 60 W (12 V); 120 W (24 V)	plastic	53 x 105.5 x 65	- 20 - +50	80270



rutec DMX actuator DC

1 - 4 addresses, 1 - 4 channels, muliticolour, constant voltage

- DMX512
- max. 8 A per channel
- DMX address freely adjustable and visible using digital display
- for indoor use
- IP20
- protection class III, CE, RoHS, REACH



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



OPTIONAL ACCESSORIES

DMX touchpanels (from page 480)



TFT touchpanel Article no. 88458 (see page 483)



DMX digital wire Article no. 89990



ORDERING INFORMATION

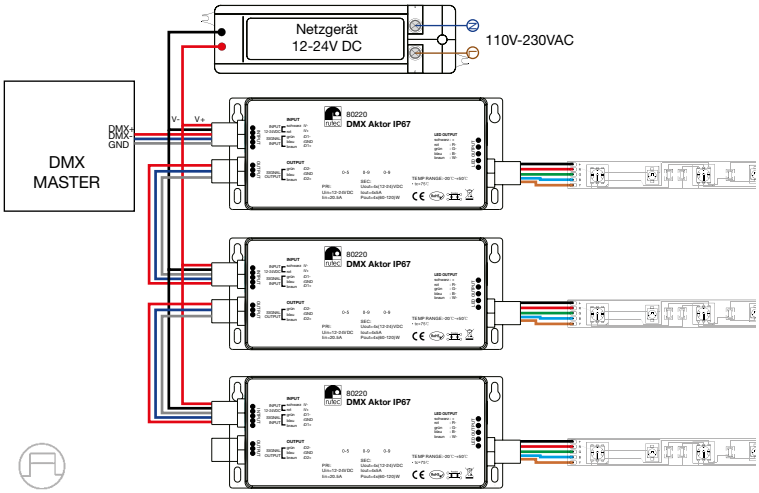
Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 96 W (12 V); 192 W (24 V)	plastic	170 x 59 x 29	- 20 - +50	80205



rutec DMX actuator DC IP67

1 - 4 addresses, 1 - 4 channels, muliticolour, constant voltage

- DMX512
- max. 5 A per channel
- DMX address freely adjustable and visible using digital display
- for indoor and outdoor use
- IP67
- protection class III, CE, RoHS, REACH



IP67

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



OPTIONAL ACCESSORIES

DMX touchpanels (from page 480)



TFT touchpanel Article no. 88458 (see page 483)



DMX digital wire Article no. 89990



ORDERING INFORMATION

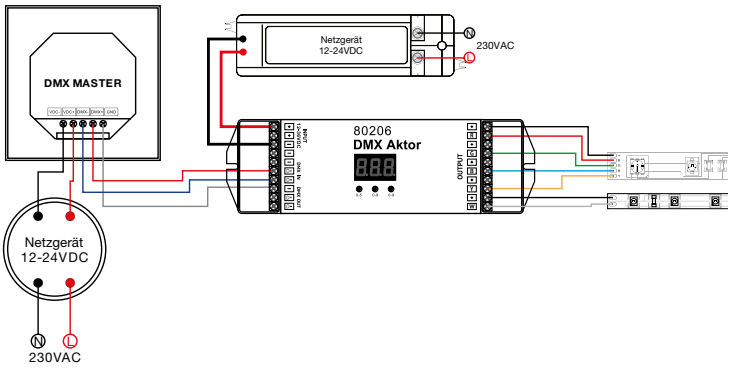
Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	4 x 60 W (12 V); 120 W (24 V)	plastic	235 x 74 x 38	- 20 - +50	80220



rutec DMX actuator DC

1 - 5 Adressen, 1 - 5 channels, constant voltage

- DMX512
- max. 5 A per channel
- DMX address freely adjustable and visible using digital display
- standalone mode available
- for indoor use
- IP20
- protection class III, CE, RoHS, REACH
- total power:
  3 channels - 180 W (12 V), 360 W (24 V)
  4 channels - 240 W (12 V), 480 W (24 V)
  5 channels - 300 W (12 V), 600 W (24 V)



REQUIRED ACCESSORIES OPTIONAL ACCESSORIES

LED power supplies
(see overview
page 414)



LCD touchscreen
Article no. 88477
(see page 484)



TFT touchpanel
Article no. 88458
(see page 483)



DMX digital wire
Article no. 89990



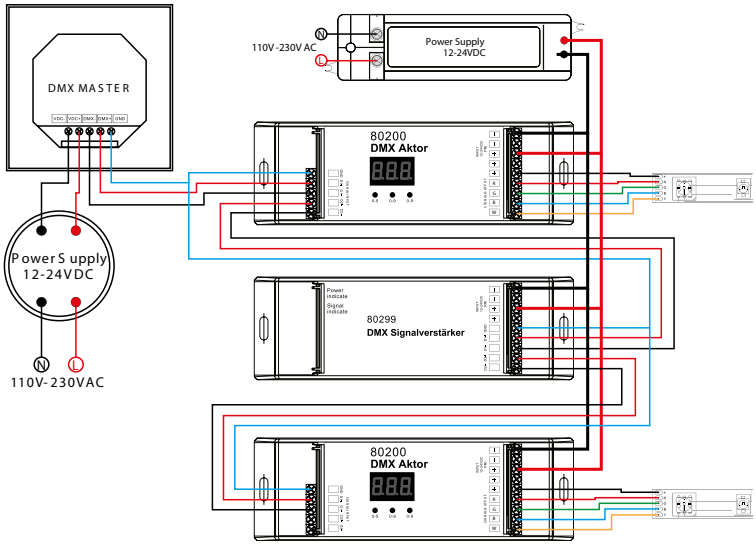
ORDERING INFORMATION

Input V DC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	5 x 60 W (12 V); 120 W (24 V)	plastic	178 x 46.1 x 21	- 20 - +50	80206



rutec DMX signal amplifier

- for indoor use
- IP20
- protection class III, CE, RoHS, REACH



REQUIRED ACCESSORIES

LED power supplies
(see overview
page 414)



DMX actuator
Article no. 80200, 80205,80206,
80250, 80270, 80290



OPTIONAL ACCESSORIES

DMX digital wire
Article no. 89990



ORDERING INFORMATION

Input V DC	Output	Housing	Size mm	Temperature range °C	Article no.
12 - 24	DMX-signal	plastic	166 x 53.4 x 23	- 20 - +50	80299



DMX SPI decoder

for VARDAflex Neon / Outdoor Intelligence

- for indoor use
- IP20
- protection class III, CE, RoHS, REACH

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



TFT touchpanel Article no. 88458 (see page 483)



OPTIONAL ACCESSORIES

DMX digital wire Article no. 89990



ORDERING INFORMATION

Input V DC	Output	Housing	Size mm	Temperature range °C	Article no.
12 - 24	SPI signal	plastic	125 x 52 x 40	- 30 - +65	89600



DMX touchpanel, 230 V AC, 4 zones RGBW

DMX touchpanel, 4 zones RGBW, including power supply for 230 V AC connection

NEW

- for indoor use
- material: plastic, glas
- IP20
- voltage: 100 - 230 V AC, 50 Hz
- standby power: 3 W
- transmission power: max. 3.5 W
- signal: DMX512
- resolution: 8 Bit
- maximum cable cross-section at terminal: 1.5 mm²
- DMX addresses for zones permanently stored
- dimmer range 0 - 100 %
- control up to 4 zones independently
- highly sensitive touch colour wheel
- quick, precise colour control
- selection of 10 different preprogrammed colour gradients
- dimming and switching of single and mixed colours
- **per zone: 4 memory functions for colour scene or - sequence**

REQUIRED ACCESSORIES

DMX actuator
Article no. 80200, 80205, 80206, 80250, 80270 80290



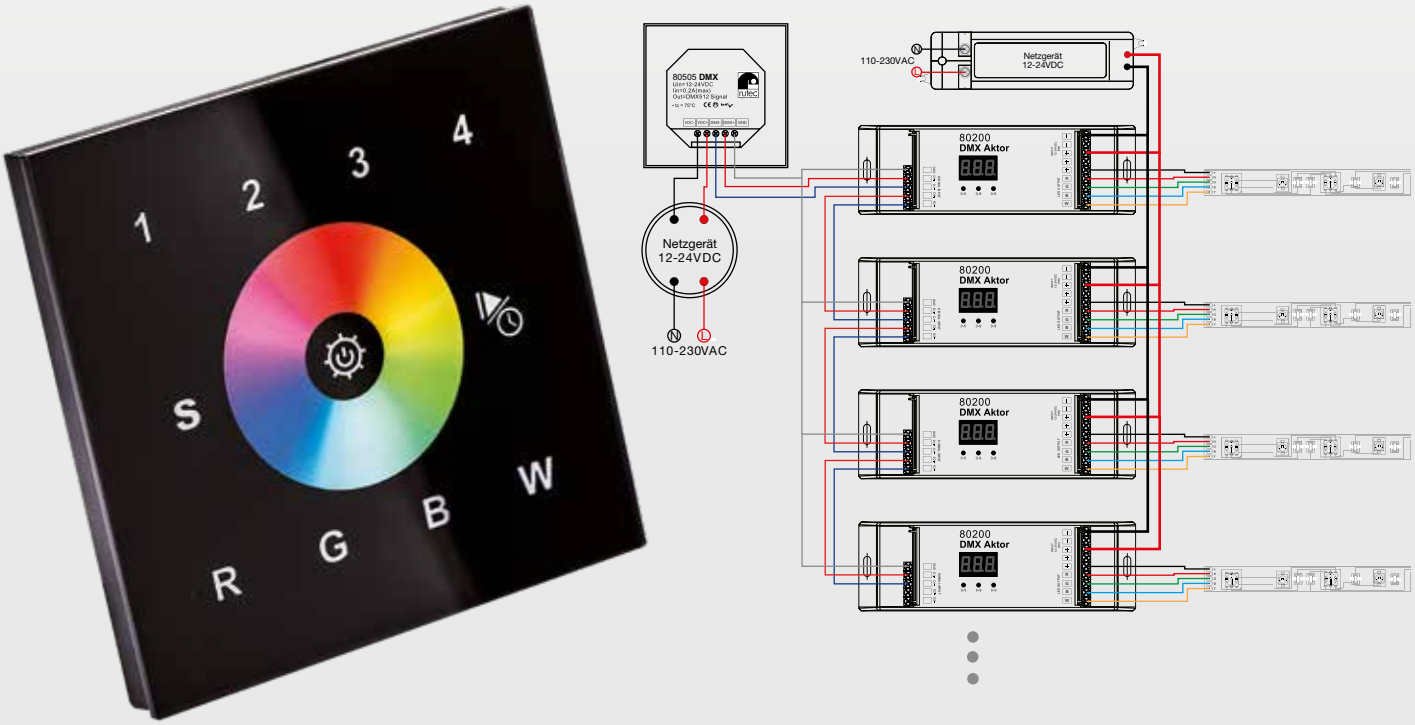
OPTIONAL ACCESSORIES

DMX digital wire
Article no. 89990



ORDERING INFORMATION

Model/Type	Input V AC	Output	Power W	Size mm	Temperature range °C	Colour	Article no.
4 zones RGBW	100-230	DMX512	max 3.5	86 x 86 x 42	- 20 to +50	Glas - black	80520

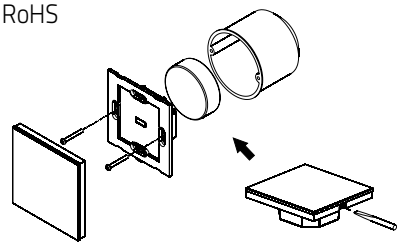


DMX touchpanel
1 zone RGBW

- glass touch panel 1 Zone for RGBW controller
- in acc. w. DMX512(1990) Standard protocol, compatible with all standard devices
- quick, precise colour control
- suitable for fitting in standard switch or hollow wall boxes
- for indoor use
- IP20
- protection class III, CE, RoHS

DMX touchpanel
4 zones RGBW

- glass touch panel 4 zones for RGBW controller
- in acc. w. DMX512(1990) Standard protocol, compatible with all standard devices
- controls 4 zones synchronously or separately
- quick, precise colour control
- suitable for fitting in standard switch or hollow wall boxes
- for indoor use
- IP20
- protection class III, CE, RoHS



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



DMX actuator
Article no. 80200, 80205,80206, 80250, 80270, 80290



OPTIONAL ACCESSORIES

DMX digital wire
Article no. 89990



ORDERING INFORMATION

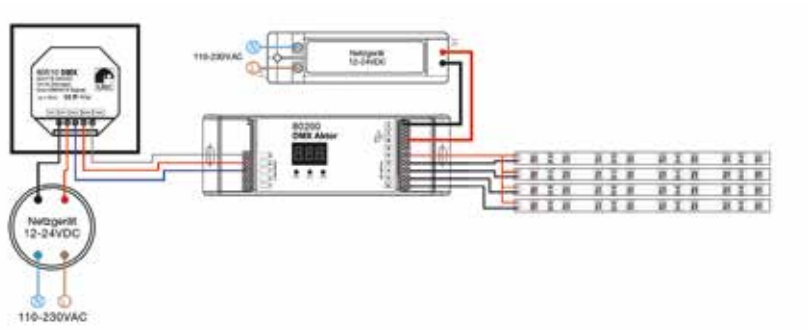
Type	Input V DC	Output	Housing	Size mm	Article no.
1 zone RGBW	12 - 24	DMX512 signal	plastic	86 x 86 x 29.1	80500
4 zones RGBW	12 - 24	DMX512 signal	plastic	86 x 86 x 29.1	80505



DMX glass touchpanel

glass touchpanel, 4 zones, for single - colour controller

- in acc. w. DMX512(1990) standard protocol - compatible with all standard devices
- controls 4 zones synchronously or separately 3 savings with memory function per zone possible
- quick, precise dimming control
- dimmer range: 0.1 - 100 %
- suitable for fitting in standard switch or hollow wall boxes
- for indoor use
- IP20
- protection class III, CE, RoHS



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



DMX actuator
Article no. 80200, 80205,80206, 80250, 80270, 80290



OPTIONAL ACCESSORIES

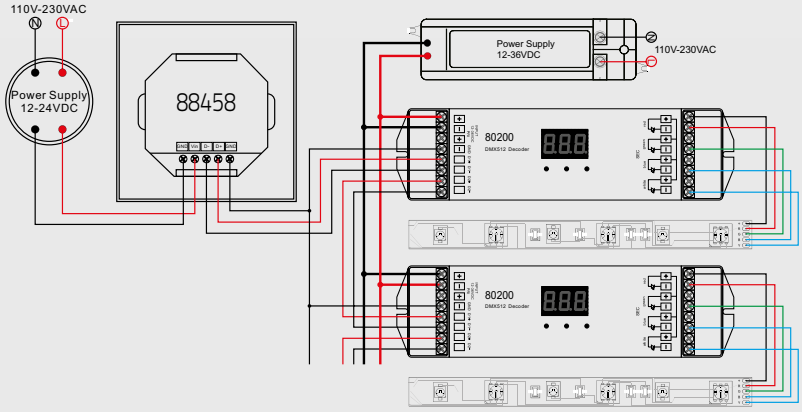
DMX digital wire
Article no. 89990



ORDERING INFORMATION

Input V DC	Output	Housing	Size mm	Article no.
12 - 24	DMX512 signal	plastic	86 x 86 x 29.1	80510





TFT touchpanel

TFT up to 6 colours DMX touchpanel with Alpha Nea frames white

- single-colour, Select, RGB, RGBW, RGBWW, RGB+AW+WW
- simple and intuitive LED control of brightness, colours and colour sequences
- 5 - 25 individually assignable keys, the keys show the colour value or other settings
- infinitely variable setting of brightness, colours, colour sequences and their speed and direction
- free animation with seperate Software (in scope of delivery
- programmed DMX animations can be managed as required
- display language selectable
- simple wall mounting in standard flush - mounted box
- input voltage: 7 - 30 V DC
- power 1.5 W
- display 2.8"
- other colours from the Alpha Nea - Programm on request
- CE, Protection Class III, IP20 (after fitting)
- **made in Germany**
  pease note: the touch panel is a DMX controller and requires a DMX decoder / actuator.
  Scope of delivery: Touch panel with Alpha Nea frames white, fixing frames (pre - fitted), microSD card (pre - fitted) microSD card reader, USB, instruction manual, 3 and 4 - pole connecting plug, software for programming
- **required for DMX use: DMX digital cable 2 - core + screen AES/EBU (DMX) 0T206YB**
  Art. - No. 89990

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



DMX actuator
Article no. 80200, 80205,80206, 80250, 80270, 80290



OPTIONAL ACCESSORIES

DMX digital wire
Article no. 89990



ORDERING INFORMATION

Input V DC	Power Watt	Size mm	Einbautiefe mm	Article no.
7 - 30	1.5	82 x 82 x 12	20	88458



LCD touchscreen

LCD DMX touchscreen

LCD touch controller for control of single - colour, select, RGB, RGBW, RGBW+WW or single - colour LED applications via DMX 512 - A.

Hardware:

- high - quality metal housing
- replaceable removable frames black, brushed iron (please order separately) - also available in any RAL colour as special order.
- graphic display (24 bit colour depth, resolution 670x480)
- touch panel operation
- simple wall mounting in standard flush - mounted box
- made in Germany

Software

- 4 independent zones
- 1 - 6 program buttons per zone
- master fader (can also be deactivated)
- simple, rapid colour selection via RGB colour spectrum or via DMX value
- adjustable sequence time
- 1 - 10 colours can be saved by a program button
- zones and program buttons can be individually labelled
- RDM function for administration of RTM devices - linking of several touch controllers for controlling different locations from one room
- individual setting facilities on touch controller (e.g. activate/deactivate buttons or symbols)
- different background colours or background logos
- please note: the touchscreen is a DMX controller and requires a DMX actuator.
- required: DMX digital cable 2 - core + screen AES/EBU (DMX) 0T206YB Art no. 89990
- **simple calendar function**

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



DMX actuator
Article no. 80200, 80205,80206, 80250, 80270, 80290



OPTIONAL ACCESSORIES

DMX digital wire
Article no. 89990



ORDERING INFORMATION

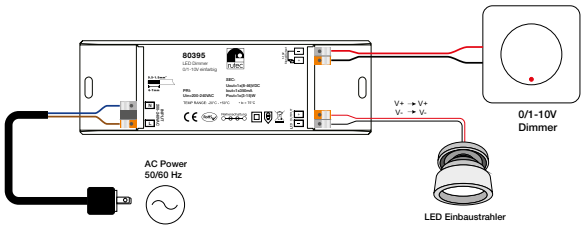
	Description	Installation size mm	Size mm	Weight g	Article no.
	LCD RGB DMX with removable frames white	-	150 x 110 x 22	560	88477
NEW	LCD RGB DMX for flat mounting surface	160 x 118 x 45	175 x 132 x 50	840	88457
	Removable frames. black	-	150 x 110 x 22		88512
	Removable frames, brushed iron	-	150 x 110 x 22		88515



rutec Dimm actuator, 200 - 240 V, 15 W, 350 mA, 0/1 - 10 V

LED Dimmer for analog dimming with soft control performance

- for indoor use
- 1-channel 350 mA, 15 W
- 1 control input: 0/1 - 10 V (active)
- IP20
- protection class II, CE, RoHS
- dimmer range: 0 - 100 %
- 256 soft grey stages
- total power: 15 W



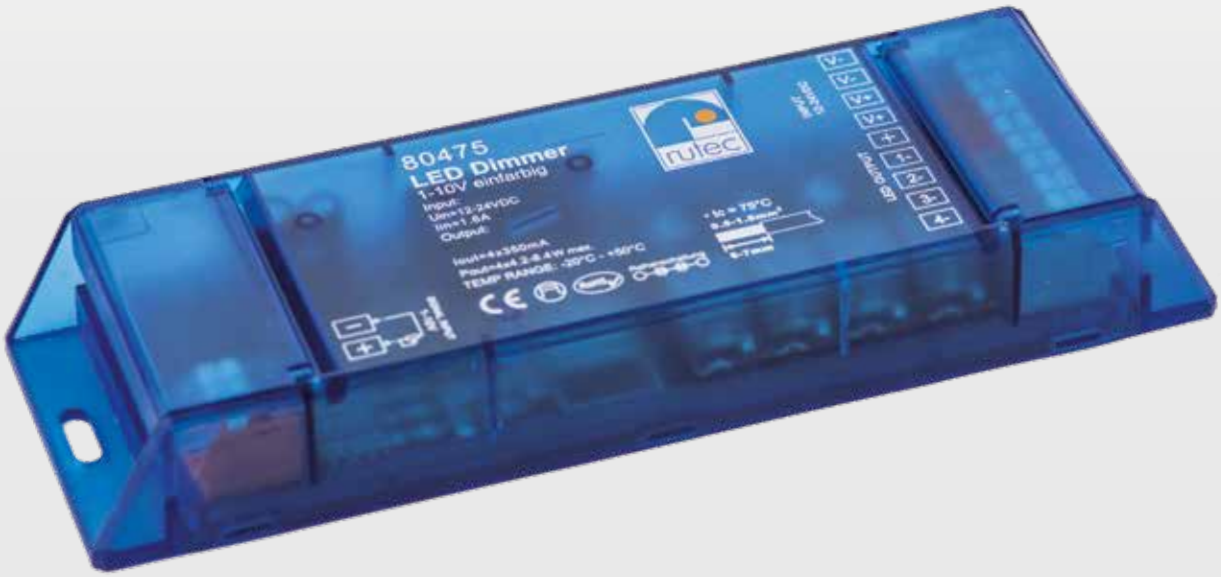
series connection

REQUIRED ACCESSORIES

1 - 10 V control unit or potentiometer

ORDERING INFORMATION

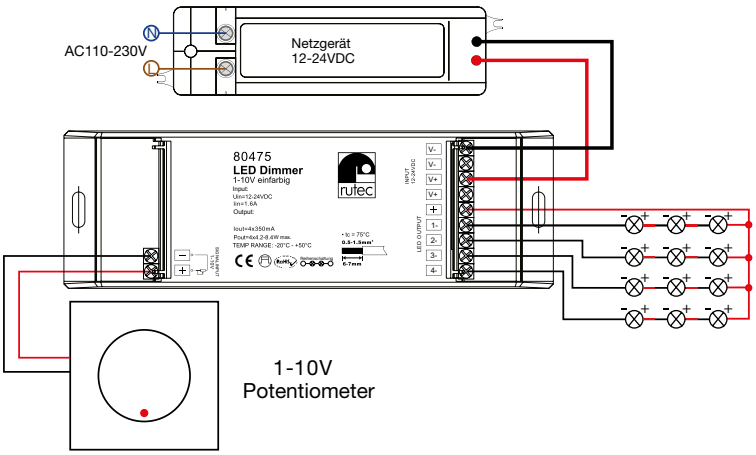
Input V AC	Output DC	Power Watt	Housing	Size mm	Surrounding temperature °C	Article no.
230	350 mA	3-15	plastic	166 x 53.4 x 23	- 20 - +45	80395



rutec LED dimmer 1 - 10 V constant current 350 mA

4 channels single-colour, constant current

- LED dimmer for analog dimming with soft control performance
- for indoor use
- 1 control input: 1 - 10 V(active)
- 4 channel outputs à 350 mA PWM, 4.2 W (12 V) - 8.4 W (24 V)
- IP20
- protection class III, CE, RoHS, REACH
- dimmer range: 0 - 100 %
- 256 soft grey stages
- total power: 16,8 W (12 V), 33,6 W (24 V)



CE RoHS REACH series connection

REQUIRED ACCESSORIES

LED power supplies (see overview page 414) 	1 - 10 V control unit or potentiometer

ORDERING INFORMATION

Input V DC	Output DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	4 x 350 mA	4.2 W (12 V) - 8.4 W (24 V)	plastic	166 x 53.4 x 23	- 20 - +50	80475



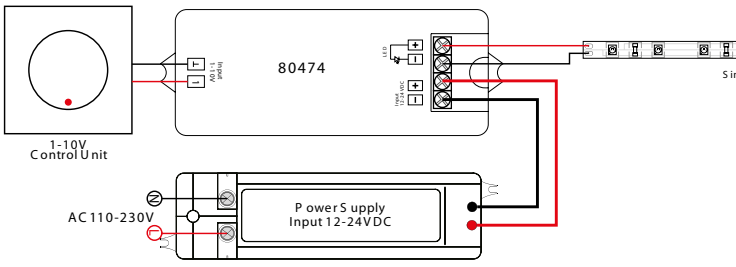


rutec LED dimmer 1 - 10 V + switch + potentiometer, constant voltage

- LED dimmer for analog dimming with soft control performance
- for indoor use
- 1-channel 8 A, 96 W (12 V) - 192 W (24 V)
- 1 control input: 1 - 10 V (active), potentiometer, switch, potential free
- 1 channel output 8 A PWM
- IP20
- protection class III, CE, RoHS
- dimmer range: 0 - 100 %
- 256 soft grey stages

rutec LED dimmer 1 - 10 V switch 8 - 230 V AC-DC

- LED dimmer for analog dimming with soft control performance
- for indoor use
- 1-channel 10 A, 120 W (12 V) - 240 W (24 V)
- 1 control input: 1 - 10 V (active), potentiometer, switch, potential free
- 1 channel output 10 A PWM
- IP20
- protection class III, CE, RoHS
- dimmer range: 0 - 100 %
- 256 soft grey stages



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



1 - 10 V control unit or potentiometeroder Switch

ORDERING INFORMATION

Input V DC	Output V DC	Power Watt	Housing	Size mm	Surrounding temperature °C	Article no.
12 - 24	12 - 24	96 W (12 V) - 192 W (24 V)	plastic	94 x 37 x 21	- 20 - +50	80474
12 - 24	12 - 24	120 W (12 V) - 240 W (24 V)	plastic	166 x 54.3 x 23	- 20 - +50	80473



rutec LED repeater IP68

- LED repeater is suitable for all our constant - voltage LED controllers to extend the power
- supports PWM (Pulse - Width Modulation) technology
- theoretically, an unlimited number of repeaters can be connected in series
- power consumption: 5 - 24 V DC, 2 W

IP68 Parallel RoHS REACH

REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



LED-Controller constant voltage (page 453-487)



ORDERING INFORMATION

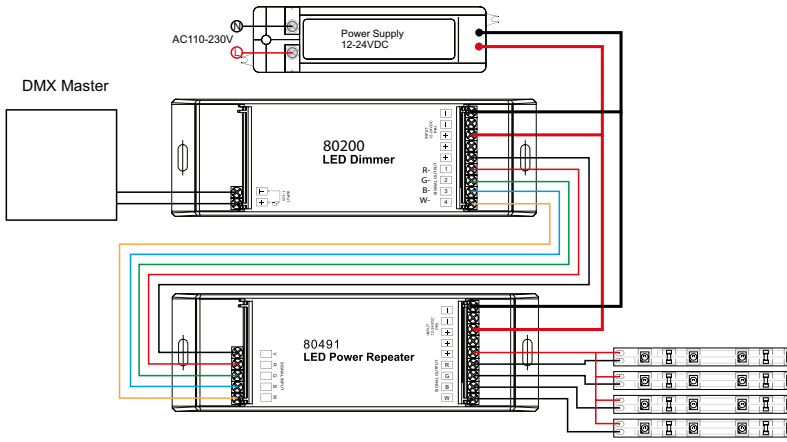
Input V DC	Output	Power Watt	Housing	Size mm	Weight g	Article no.
12 - 24	12 - 24 V. 3 x 3 A	100 W (12 V); 200 W (24 V)	plastic	163 x 35 x 28	210	88510



rutec LED power repeater

240 W (12 V) 480 W (24 V), muliticolour, LED repeater

- LED power repeater
- repeater for PWM dimming signals
- max. up to 5 A per channel
- for indoor use
- IP20
- protection class III, CE, RoHS



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



LED-Controller constant voltage (page 453-487)



ORDERING INFORMATION

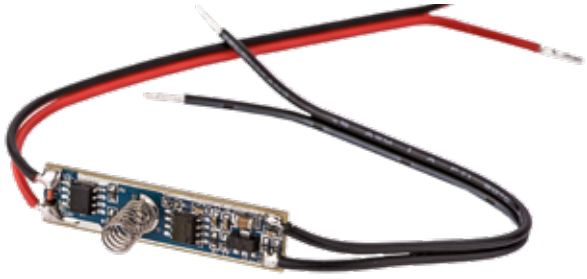
Input V DC	Output	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24 V; 4 x 5 A	4 x 60 W (12 V);120 W (24 V)	plastic	166 x 53.4 x 23	- 20 - +50	80491



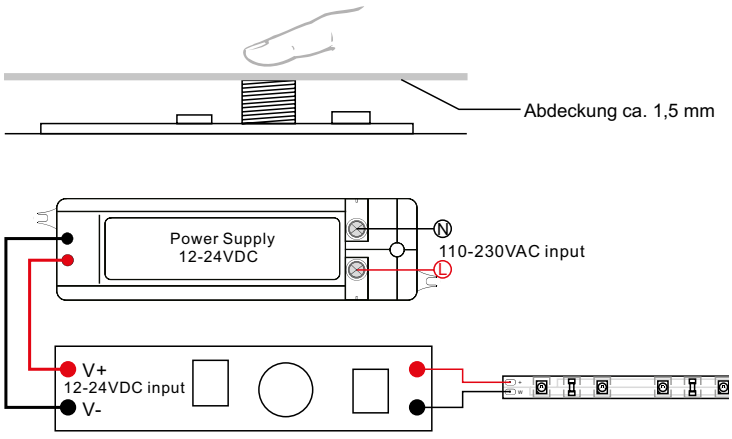
Touchdimmer PCB

LED dimmer for LED aluminum profile, single - colour

- for indoor use
- 1-channel 3A, 36 W (12 V) - 72 W (24 V)
- IP00
- protection class III, CE, RoHS



Brief blue LED/on/off press
Long blue LED press: dim up,
Longer pressure again: dim down



REQUIRED ACCESSORIES

LED power supplies (see overview page 414)



Aluminium profile H12



ORDERING INFORMATION

Input V AC	Output V DC	Power Watt	Housing	Size mm	Temperature range °C	Article no.
12 - 24	12 - 24	36 W (12 V) - 72 W (24 V)	-	42 x 10 x 11	- 20 - +50	89502

Frequently Asked Questions

How long is the maximum length of LED strips?
Unlimited, however you need a power supply every 10, 8, 7.5, (...) metres. The exact details can be found on the product site or in the description.

What is plus and what is minus?
Plus red or brown
Minus black or blue

Can I dim the LED strip with the power supply?
No, you will need an additional dimming device. (PWM-Dimming) between the power supply and the LED.

Can the LED strips be shortened or extended?
Yes. There are a few exceptions but nearly all strips can be shortened or extended on the marked area.

Does the connector or power supply connector fit in the profiles?
Yes, but not in all profiles. The correct profiles have appropriate instructions.

Can I dim LEDs?
Yes, in many ways. Dimmer recommendations can be found on the product pages under „Optional Accessories".

Can I install LED Modules anywhere?
Our LED modules fit in most of our recessed lighting assortment.

Can a profile be shortened?
Yes, with the appropriate tools such as metal hacksaws.

s there a connector or power supply connector for VARDAflex Side Mini?
No.

When do I need a constant current converter?
If the LED products give a notice of an input of e.g. 350mA. Usually with power LED applications.

Do I need to use a power supply or a constant current converter with LED strips?
You must use power supply. 12 V or 24 V DC is used, since constant voltage is required.

How many LEDs can be connected to a converter?
It varies depending on the output of the converters.

Do all power supplies fit in a junction box?
No, it is not recommended. You will find the dimensions on the Dimensions on the relevant product page.

Do controllers need a power supply?
Yes. In the range of the required voltage level (12 V / 24 V).

What are the different types of controllers?
EnOcean, KNX, DMX, EIB, 1 - 10 V, 1-10 V, Wireless, Switch, DALI, Poti, Switch on-off, IR, PC, Smartphone, Internet

Must an IP68 profile be completely sealed?
No. The ends and the cover must be carefully sealed with neutral linked silicone.

How are Power-LEDs connected?
Several LED modules or lights in constant current mode must be connected by series wiring.

Do I need to apply an insulating layer between the LED strip and profile?
No, the strips can be glued in directly. You only need an insulation layer when they are being used on current carrying surfaces.

What is the output for DMX devices?
D2+ and D2- is the output on all DMX devices.

Why do I need the silicone that was included in delivery?
The silicone is required for the eventual separation and sealing of the IP68 strips/profiles.

Do the controllers have a common plus?
Yes.

Do you have to prove all of the secondary outlets for larger power supplies?
No.

How can I secure VARDAflex IP68?
You can secure VARDAflex IP68 with neutral linked silicone or use double-sided tape. Additionally, we offer an exaktly fitting PMMA profile, Article no. 68306.

You can find more information on our website at www.rutec.de or by calling our consultants at 0 42 42/95 65-0.

Guarantee conditions

for LED lights, LED modules and LED strips from rutec Licht GmbH & Co. KG

We guarantee the user a **5 year** error free operation period of our LED's, starting on the date of purchase date. Should a defect be detected within this time period a replacement product will be delivered a guarantee service. Any further guarantee for loss of profits, business or revenue, loss of anticipated savings or other consequential loss is not provided. The user can only request the guaranteed service with a proof of receipt or delivery.

Our guarantee is void if the user does not adhere to the following instructions and measures and the defect occurs as a result.

The users statutory warranty rights are not restricted by these guarantee conditions.

Instructions

1. LED lights, modules and strips are often made of delicate electronic components. Careful handling is therefore always recommended. The instructions on the packaging and the contents of the product data sheets are to be read and followed.
2. LED systems require special knowledge in the planning and installation. With peripheral systems, the involvement of a qualified electrician is recommended. The use of our components or products on site is beyond our control and therefore exclusively the responsibility of the user.
3. In general, the minimum and maximum pitch lengths, as well as the minimum and maximum loads of modules or cables are to be considered. Individual components must be properly coordinated (eg in terms of loads, cable characteristics, and control systems).
4. The combination of our products with components from other-manufacturers is beyond our control and will void the guarantee, the compatibility with the control systems of other manufacturers is especially unlikely.
5. LED's function best in cooler environments. Heat buildup should therefore, be avoided.
6. Certain brightness and colour variations are due to the production technology of the LED's normal production conditions. With LED systems, we strongly recommend a photometric test with a sample. Differences can also come from a blending of different batches, as an example, caused by partial shipments, additional orders, etc. which may result from different production processes. A maximum guarantee on colour similarities can only be given when processing the original contract. If in doubt, components must be taken from the same batch in stock.
7. An RGB (red / green / blue) colour mixing of light only makes sense if a gradient is required in the first Line. Although it is possible to create the colour „white" while mixing colours. However, doing so would mean maximum utilization of the components. That will lead to a reduction in the service life, which is an important factor to consider.
8. The LEDs used in lighting technology are qualified to N60825-1 in terms of eye safety as „harmless". Nevertheless, you should never look directly into illuminated LEDs. This is especially true for the high (power) LED's, with an extremely high luminance.
9. The operating hours of LED's are, depending on ambient temperature 20,000 - 50,000 h, in individual cases even longer.
10. The exchange of individual LED's, LED modules or other components is only occasionally possible. At the end of service life, LED systems are to be disposed of properly.
11. The user has to prove to us, the proper temporary storage, installation and maintenance of the LED's (if submission of the test protocol before installation).

Measures for Installation

Prior to the installation of LED components (eg gluing LED strips in carrier profiles or insertion into closed systems)

1. When handling LED's, with and without tools, the plug and other electronic components, as well as conductors should not be charged. When gluing a LED Module, gently pressing with clean fingers is possible. Shear force on components should generally be avoided.
2. During installation, resulting shavings (eg by drilling, sawing, filing), dust, dirt and grease must be removed (short circuit or danger of breaking). If necessary, appropriate cleaning agents must be used.
3. Plug connections must be properly „plugged in". Do not hor zontally or vertically move and do not twist plug by 180°. Insert the plug fully and precisely, so that an optimal contact is ensured. Do not bend the plug connections!
4. ESD regulations (electrostatic discharge) must be adhered to during installation. The correct polarity has to be: plus, minus, signal lines.
5. Before final installation, a functional test (eg, using a test setup) should be performed. A corresponding protocol is to be created.
6. If components are exposed to light moisture and / or dust, appropriate on site / customer protection measures are to be met, should they not have the appropriate classification from the manufacturer (eg corresponding IP Protection Class).
7. In closed LED systems access to components (revision options) are provided. The thermal management can make ventilation slots a required, which in turn, can result in dust entering that must be cautiously removed at regular intervals.

Approval marks and symbols

	Conformity mark (CE mark)
	RoHS approval mark for products, that do not harm the environment and do not contain heavy metals (EC guidelines 2002/95/EC)
	REACH approval mark for products, the chemical components are known, registered and authorized
	For indoor use
	Protection Class I (protective conductor connection)
	Protection Class II (protective low voltage)
	Protection Class III (protective low voltage)
	Independent operating device
	Do not cover with heat-insulating materials
IP20 IP66 IP67	Protection class (IP20 for indoor use , IP66 and IP67 for outdoor use)
	Standardized digital control gear interface (Norm IEC 62386)

rutec symbols

	Series connection
	Prallel connection
	UV-resistant
	Do not expose to direct sunlight
	Do not operate strip without aluminium profile and adequate ventilation
	Beam angle

Sales promotion

Article no. 10043
VARDAflex types
sales promotion
luminous flux



Article no. 10053
VARDAflex types
sales promotion
colour temperature





Article no. 10088
VARDAflex Outdoor
sales case

Article numbers

Article no.	Page	Price	Rg	PU
10005-M	118	180.00	R1	pc.
10043	494	67.50	R2	pc.
10053	494	67.50	R2	pc.
10068	118	26.19	R2	pc.
10069	118	67.50	R2	pc.
10087	327	506.25	R2	pc.
10088	494	405.00	R2	pc.
40151	13	56.16	R2	pc.
40251	13	65.30	R2	pc.
40351	13	84.56	R2	pc.
40501	13	102.13	R2	pc.
41151	13	56.09	R2	pc.
41251	13	65.27	R2	pc.
41351	13	84.47	R2	pc.
41501	13	102.13	R2	pc.
42060	15	4.50	R2	pc.
42061	15	52.67	R2	pc.
42067	15	52.67	R2	pc.
42069	15	52.67	R2	pc.
42100	16	4.50	R2	pc.
42101	14	62.55	R2	pc.
42109	14	62.55	R2	pc.
42140	17	5.63	R2	pc.
42141	17	92.30	R2	pc.
42147	17	92.30	R2	pc.
42149	17	92.30	R2	pc.
42250	18	6.75	R2	pc.
42251	18	108.45	R2	pc.
42259	18	108.45	R2	pc.
42410	19	9.00	R2	pc.
42411	19	253.44	R2	pc.
42417	19	253.44	R2	pc.
42419	19	253.44	R2	pc.
45101	36	88.54	R2	pc.
45105	36	88.54	R2	pc.
45109	36	88.54	R2	pc.
46061	15	52.67	R2	pc.
46101	16	62.55	R2	pc.
46141	17	92.30	R2	pc.
46251	18	108.45	R2	pc.
48100	10	39.38	R2	pc.
48110	11	35.62	R2	pc.
48118	11	35.62	R2	pc.
48120	11	53.44	R2	pc.
48128	11	53.44	R2	pc.
48130	11	74.43	R2	pc.
48138	11	74.43	R2	pc.
48310	12	37.19	R2	pc.
48320	12	54.79	R2	pc.
48325	12	63.92	R2	pc.
48330	12	71.78	R2	pc.
54995	116	8.21	R1	pc.
54996	116	8.21	R1	pc.
54999	27	1.51	R1	pc.
55000	116	2.34	R1	pc.
55002	116	3.02	R1	pc.
55003	116	7.99	R1	pc.
55004	116	1.55	R1	pc.
55006	116	3.20	R1	pc.
55007	116	7.49	R1	pc.
55008	116	7.49	R1	pc.
55010	116	2.81	R1	pc.
55301	117	0.90	R1	pc.
55302	117	0.90	R1	pc.
55303	117	0.90	R1	pc.
55304	117	0.90	R1	pc.
55307	117	0.90	R1	pc.
55312	117	0.90	R1	pc.
55316	117	88.78	R1	pc.
55317	117	97.70	R1	pc.
55400	116	2.16	R1	pc.
55420	117	8.17	R1	pc.
55430	117	10.40	R1	pc.
55432	117	10.40	R1	pc.
55433	117	8.53	R1	pc.
55491	116	11.88	R1	pc.
55493	116	27.32	R1	pc.
55494	116	27.32	R1	pc.
55495	116	27.32	R1	pc.
55929	113	48.60	R1	pc.
55939	112	39.60	R1	pc.
55969	113	48.60	R1	pc.
56503	77	181.08	R1	pc.
57050	44	74.92	R1	pc.
57051	44	74.92	R1	pc.
57052	44	74.92	R1	pc.
57053	44	74.92	R1	pc.
57054	44	74.92	R1	pc.
57055	44	117.79	R1	pc.
57056	44	74.92	R1	pc.
57057	44	74.92	R1	pc.
57058	44	74.92	R1	pc.
57059	44	74.92	R1	pc.
57060	44	126.76	R1	pc.
57061	44	74.92	R1	pc.
57062	44	74.92	R1	pc.
57154	60	12.06	R1	pc.
57156	60	9.90	R1	pc.
57159	64	45.18	R5	pc.
57210 W	60	84.67	R1	pc.
57210 WW	60	84.67	R1	pc.
57401B	63	197.78	R1	pc.
57401G	63	197.78	R1	pc.
57401R	63	197.78	R1	pc.
57401W	63	197.78	R1	pc.
57401Y	63	197.78	R1	pc.
57455	75	75.60	R1	pc.
57456	75	131.40	R1	pc.
57460	74	80.82	R1	pc.
557504	77	181.08	R1	pc.
57514	77	181.08	R1	pc.
57531	76	60.55	R1	pc.
57555	70	31.46	R1	pc.
57556	70	61.38	R1	pc.
57558	70	113.87	R1	pc.
57559	70	113.87	R1	pc.
57560	70	29.74	R1	pc.
57660	73	71.42	R1	pc.
58281WW	59	167.26	R1	pc.
58285WW	59	167.26	R1	pc.
58289WW	59	167.26	R1	pc.
58291WW	58	147.24	R1	pc.
58295WW	58	147.24	R1	pc.
58299WW	58	147.24	R1	pc.
59024	133	11.81	R5	pc.
59025	133	8.24	R5	pc.
59026	133	99.18	R5	pc.
59048	133	3.60	R5	tube
59049	133	24.41	R5	pc.
59050	133	314.60	R5	pc.
59060	134	328.79	R5	pc.
59067	134	566.14	R5	pc.
59087	133	484.67	R5	pc.
559190	51	4.14	R2	pc.
59192	51	8.15	R2	pc.
59193	51	9.00	R2	pc.
59285	56	13.50	R2	pc.
59400W	62	133.38	R1	pc.
59400WW	62	133.38	R1	pc.
59401WW	63	145.19	R1	pc.
59999	62	140.40	R1	pc.
65005	408	137.25	R2	pc.
65015	409	137.25	R2	pc.
65025	408	137.25	R2	pc.
65035	408	137.25	R2	pc.
65048	408	1.80	R2	pc.
65049	408	1.80	R2	pc.
65068	409	1.80	R2	pc.
65069	409	1.80	R2	pc.
65078	409	19.13	R2	pc.
65088	408	10.42	R2	pc.
65095	402	130.25	R2	pc.
65105	382	44.66	R2	pc.
65110	402	8.44	R2	pc.
65118	402	8.44	R2	pc.
65119	402	8.44	R2	pc.
65120	399	5.74	R2	pc.
65121	399	13.50	R2	pc.
65128	399	1.80	R2	pc.
65129	399	1.80	R2	pc.
65132	399	13.95	R2	pc.
65134	399	13.95	R2	pc.

Article no.	Page	Price	Rg	PU
65137	399	13.95	R2	pc.
65145	399	45.00	R2	pc.
65152	402	10.42	R2	pc.
65157	402	10.42	R2	pc.
65168	382	1.80	R2	pc.
65178	382	1.80	R2	pc.
65181	382	24.55	R2	pc.
65188	382	19.94	R2	pc.
65189	382	19.94	R2	pc.
65190	382	5.74	R2	pc.
65191	382	13.50	R2	pc.
65198	382	1.80	R2	pc.
65205	379	25.72	R2	pc.
65210	379	1.80	R2	pc.
65218	379	1.80	R2	pc.
65219	379	1.80	R2	pc.
65225	400	67.50	R2	pc.
65235	407	76.50	R2	pc.
65245	407	135.00	R2	pc.
65258	407	5.74	R2	pc.
65259	407	5.74	R2	pc.
65268	407	1.80	R2	pc.
65269	407	1.80	R2	pc.
65272	400	65.25	R2	pc.
65281	400	13.50	R2	pc.
65288	400	5.74	R2	pc.
65305	383	36.00	R2	pc.
65312	398	19.13	R2	pc.
65322	398	19.13	R2	pc.
65348	383	15.30	R2	pc.
65349	383	15.30	R2	pc.
65368	383	1.80	R2	pc.
65369	383	1.80	R2	pc.
65375	374	23.63	R2	pc.
65380	374	1.80	R2	pc.
65381	374	1.80	R2	pc.
65382	374	1.80	R2	pc.
65388	374	10.13	R2	pc.
65390	383	10.13	R2	pc.
65398	383	1.80	R2	pc.
65399	383	1.80	R2	pc.
65465	386	60.75	R2	pc.
65480	396	1.80	R2	pc.
65481	396	1.80	R2	pc.
65502	377	19.13	R2	pc.
65503	377	29.25	R2	pc.
65505	377	16.65	R2	pc.
65506	377	19.13	R2	pc.
65508	377	25.88	R2	pc.
65509	377	29.25	R2	pc.
65512	378	31.50	R2	pc.
65513	378	49.50	R2	pc.
65515	378	27.00	R2	pc.
65516	378	31.50	R2	pc.
65518	378	40.50	R2	pc.
65519	378	49.50	R2	pc.
65528	379	12.60	R2	pc.
65530	378	1.80	R2	pc.
65531	378	1.80	R2	pc.
65534	378	1.80	R2	pc.
65535	378	1.80	R2	pc.
65536	378	1.80	R2	pc.
65537	378	1.80	R2	pc.
65538	378	1.80	R2	pc.
65539	378	1.80	R2	pc.
65540	377	1.80	R2	pc.
65541	377	1.80	R2	pc.
65544	377	1.80	R2	pc.
65545	377	1.80	R2	pc.
65546	377	1.80	R2	pc.
65547	377	1.80	R2	pc.
65548	377	1.80	R2	pc.
65549	377	1.80	R2	pc.
65572	377	15.75	R2	pc.
65574	377	15.75	R2	pc.
65577	377	15.75	R2	pc.
65581	407	12.38	R2	pc.
65582	407	29.25	R2	pc.
65592	377	10.42	R2	pc.
65594	377	10.42	R2	pc.
65597	377	10.42	R2	pc.
65605	377	16.88	R2	pc.
65608	377	25.88	R2	pc.
65615	378	27.00	R2	pc.
65618	378	40.50	R2	pc.
65625	395	20.25	R2	pc.
65632	396	38.25	R2	pc.
65633	396	58.50	R2	pc.
65635	396	33.75	R2	pc.
65636	396	38.25	R2	pc.
65638	396	49.50	R2	pc.
65639	396	58.50	R2	pc.
65648	377	1.80	R2	pc.
65649	377	1.80	R2	pc.
65655	398	49.50	R2	pc.
65658	378	1.80	R2	pc.
65659	378	1.80	R2	pc.
65664	396	1.80	R2	pc.
65665	396	1.80	R2	pc.
65666	396	1.80	R2	pc.
65667	396	1.80	R2	pc.
65668	396	1.80	R2	pc.
65669	396	1.80	R2	pc.
65672	395	13.50	R2	pc.
65673	395	13.50	R2	pc.
65680	395	1.80	R2	pc.
65688	395	1.80	R2	pc.
65689	395	1.80	R2	pc.
65702	407	13.50	R2	pc.
65715	390	144.00	R2	pc.
65725	393	207.00	R2	pc.
65735	389	74.25	R2	pc.
65745	392	90.00	R2	pc.
65752	386	20.25	R2	pc.
65758	386	4.50	R2	pc.
65768	386	20.25	R2	pc.
65770	390	5.74	R2	pc.
65771	390	11.25	R2	pc.
65772	390	36.00	R2	pc.
65773	390	13.50	R2	pc.
65779	390	12.38	R2	pc.
65788	395	1.80	R2	pc.
65789	395	1.80	R2	pc.
65798	390	38.25	R2	pc.
65810	398	1.80	R2	pc.
65818	398	1.80	R2	pc.
65819	398	1.80	R2	pc.
65828	398	1.80	R2	pc.
65829	398	1.80	R2	pc.
65835	389	74.25	R2	pc.
65845	392	90.00	R2	pc.
65860	389	10.13	R2	pc.
65868	389	3.38	R2	pc.
65870	392	10.13	R2	pc.
65878	392	3.38	R2	pc.
65880	393	3.38	R2	pc.
65881	393	13.50	R2	pc.
65882	393	20.25	R2	pc.
65883	393	5.74	R2	pc.
65889	393	13.97	R2	pc.
65895	393	74.25	R2	pc.
65900	392	2.25	R2	pc.
65908	392	3.38	R2	pc.
65918	392	38.18	R2	pc.
65925	387	69.75	R2	pc.
65928	387	103.50	R2	pc.
65935	387	65.25	R2	pc.
65936	387	76.50	R2	pc.
65938	387	99.00	R2	pc.
65939	387	114.75	R2	pc.
65940	389	3.49	R2	pc.
65941	389	13.50	R2	pc.
65948	389	3.49	R2	pc.
65958	389	60.75	R2	pc.
65960	387	5.51	R2	pc.
65968	387	2.54	R2	pc.
65970	387	2.54	R2	pc.
65973	387	13.50	R2	pc.
65978	387	2.54	R2	pc.
65982	387	31.50	R2	pc.
65984	387	31.50	R2	pc.
65987	387	31.50	R2	pc.
65992	387	20.25	R2	pc.
65994	387	20.25	R2	pc.
65997	387	20.25	R2	pc.
67005	358	131.60	R2	pc.
67015	359	120.85	R2	pc.
67018	359	144.99	R2	pc.
67045	362	257.51	R2	pc.
67065	361	135.27	R2	pc.
67066	361	270.43	R2	pc.
67075	360	217.82	R2	pc.
67085	363	217.82	R2	pc.
67900	365	42.75	R2	pc.
67950	365	13.07	R2	pc.
67951	365	35.17	R2	pc.
67952	365	47.88	R2	pc.

Article no.	Page	Price	Rg	PU
67953	365	24.19	R2	pc.
67989	365	34.20	R2	pc.
67997	365	94.97	R2	pc.
67998	365	348.48	R2	pc.
67999	365	2100.85	R2	pc.
68025	404	69.82	R2	pc.
68028	404	9.52	R2	pc.
68035	405	66.60	R2	pc.
68038	405	5.92	R2	pc.
68067	384	1.80	R2	pc.
68068	384	1.80	R2	pc.
68077	385	1.80	R2	pc.
68078	385	1.80	R2	pc.
68094	404	29.66	R2	pc.
68099	404	30.42	R2	pc.
68111	380	42.91	R2	pc.
68125	404	19.64	R2	pc.
68128	404	4.52	R2	pc.
68225	404	58.77	R2	pc.
68284	404	1.80	R2	pc.
68285	404	1.80	R2	pc.
68286	404	1.80	R2	pc.
68287	404	1.80	R2	pc.
68306	281	34.13	R2	pc.
68307	303	34.13	R2	pc.
68308	281	20.36	R2	pc.
68309	303	20.36	R2	pc.
68314	330	25.22	R2	pc.
68316	330	28.55	R2	pc.
68317	330	44.06	R2	pc.
68318	330	39.76	R2	pc.
68319	330	4.50	R2	pc.
68322	301	24.08	R2	pc.
68328	301	20.32	R2	pc.
68332	283	23.92	R2	pc.
68338	283	20.14	R2	pc.
68345	347	35.69	R2	pc.
68348	347	30.40	R2	pc.
68354	327	30.60	R2	pc.
68355	327	52.54	R2	pc.
68358	327	26.55	R2	pc.
68373	325	29.30	R2	pc.
68375	325	30.87	R2	pc.
68378	325	16.99	R2	pc.
68380	405	5.15	R2	pc.
68405	384	23.63	R2	pc.
68408	384	31.50	R2	pc.
68415	385	27.34	R2	pc.
68418	385	37.01	R2	pc.
68425	384	27.56	R2	pc.
68435	385	34.54	R2	pc.
68455	397	55.01	R2	pc.
68465	386	52.67	R2	pc.
68468	386	82.33	R2	pc.
68475	380	19.26	R2	pc.
68477	380	32.38	R2	pc.
68478	380	2.59	R2	pc.
68479	384	3.04	R2	pc.
68480	397	1.80	R2	pc.
68481	397	1.80	R2	pc.
68482	385	1.80	R2	pc.
68483	385	1.80	R2	pc.
68487	384	1.80	R2	pc.
68488	384	1.80	R2	pc.
68489	384	5.51	R2	pc.
68490	384	2.70	R2	pc.
68491	385	1.80	R2	pc.
68492	385	1.80	R2	pc.
68493	385	1.80	R2	pc.
68494	385	1.80	R2	pc.
68495	384	1.80	R2	pc.
68496	384	1.80	R2	pc.
68497	384	1.80	R2	pc.
68498	384	1.80	R2	pc.
68499	384	2.70	R2	pc.
68592	378	1.80	R2	pc.
68598	380	18.07	R2	pc.
68655	398	346.28	R2	pc.
68751	386	1.80	R2	pc.
68752	386	1.80	R2	pc.
68753	380	1.80	R2	pc.
68754	380	1.80	R2	pc.
68756	380	1.80	R2	pc.
68757	380	1.80	R2	pc.
68758	380	1.80	R2	pc.
68759	380	1.80	R2	pc.
68760	384	21.78	R2	pc.
68765	386	36.29	R2	pc.
68768	386	52.58	R2	pc.
68783	405	1.80	R2	pc.
68784	405	1.80	R2	pc.
68785	404	1.80	R2	pc.
68786	404	1.80	R2	pc.
68871	384	43.85	R2	pc.
68872	384	42.46	R2	pc.
68873	384	42.46	R2	pc.
68874	384	42.46	R2	pc.
68888	384	18.74	R2	pc.
68891	380	37.19	R2	pc.
68892	380	37.19	R2	pc.
68893	384	21.17	R2	pc.
68894	384	18.86	R2	pc.
68897	384	14.36	R2	pc.
68898	384	14.36	R2	pc.
69015	409	38.14	R2	pc.
69028	406	10.67	R2	pc.
69038	403	10.67	R2	pc.
69048	391	10.67	R2	pc.
69078	409	1.80	R2	pc.
69079	409	1.80	R2	pc.
69088	409	12.22	R2	pc.
69095	403	109.42	R2	pc.
69105	376	18.38	R2	pc.
69110	403	1.80	R2	pc.
69118	403	1.80	R2	pc.
69119	403	1.80	R2	pc.
69120	401	1.80	R2	pc.
69121	401	7.72	R2	pc.
69128	401	1.94	R2	pc.
69129	401	1.94	R2	pc.
69138	401	16.07	R2	pc.
69145	401	43.07	R2	pc.
69178	376	1.80	R2	pc.
69179	376	1.80	R2	pc.
69189	376	11.45	R2	pc.
69190	376	1.80	R2	pc.
69191	376	23.63	R2	pc.
69205	388	27.65	R2	pc.
69210	388	1.80	R2	pc.
69218	388	1.80	R2	pc.
69219	388	1.80	R2	pc.
69225	410	152.62	R2	pc.
69235	406	81.65	R2	pc.
69245	406	99.86	R2	pc.
69258	406	1.80	R2	pc.
69259	406	1.80	R2	pc.
69268	406	1.80	R2	pc.
69269	406	1.80	R2	pc.
69277	410	12.22	R2	pc.
69289	410	2.32	R2	pc.
69298	388	12.22	R2	pc.
69405	375	16.85	R2	pc.
69415	374	16.07	R2	pc.
69425	375	18.07	R2	pc.
69430	381	1.58	R2	pc.
69440	375	1.80	R2	pc.
69448	375	1.80	R2	pc.
69449	375	1.80	R2	pc.
69458	375	13.75	R2	pc.
69460	374	1.80	R2	pc.
69468	374	1.80	R2	pc.
69469	374	1.80	R2	pc.
69478	374	9.14	R2	pc.
69480	375	1.80	R2	pc.
69488	375	1.80	R2	pc.
69498	375	10.67	R2	pc.
69515	375	19.62	R2	pc.
69525	411	73.15	R2	pc.
69535	411	44.15	R2	pc.
69540	375	1.80	R2	pc.
69558	406	12.22	R2	pc.
69560	411	1.80	R2	pc.
69569	411	1.80	R2	pc.
69572	411	9.90	R2	pc.
69589	411	6.55	R2	pc.
69598	411	11.45	R2	pc.
69615	375	23.78	R2	pc.
69628	381	10.42	R2	pc.
69635	381	33.44	R2	pc.
69668	381	1.58	R2	pc.
69669	381	1.58	R2	pc.
69678	375	1.80	R2	pc.
69679	375	1.80	R2	pc.
69688	375	1.80	R2	pc.
69689	375	1.80	R2	pc.
69697	375	10.37	R2	pc.
69698	375	10.37	R2	pc.

Article no.	Page	Price	Rg	PU
69705	391	31.50	R2	pc.
69798	391	1.80	R2	pc.
69799	391	1.80	R2	pc.
69805	403	21.47	R2	pc.
69845	394	148.75	R2	pc.
69870	394	2.70	R2	pc.
69879	394	2.54	R2	pc.
69918	394	38.57	R2	pc.
70500	146	4.12	R2	pc.
70520	146	4.12	R2	pc.
70531	146	4.12	R2	pc.
70532	146	4.12	R2	pc.
70533	146	4.12	R2	pc.
70534	146	4.12	R2	pc.
70537	146	4.12	R2	pc.
70538	146	4.12	R2	pc.
70539	146	4.12	R2	pc.
74518	270	682.09	R2	pc.
74856	260	1899.43	R2	pc.
74925	284	2209.37	R2	pc.
74928	284	2209.37	R2	pc.
74990	285	12.40	R2	pc.
74992	285	4.97	R2	pc.
75530	240	411.44	R2	pc.
77547	172	121.84	R2	pc.
77548	172	121.84	R2	pc.
77856	258	237.58	R2	pc.
79312	160	631.08	R2	pc.
79315	160	631.08	R2	pc.
79317	160	631.08	R2	pc.
79318	160	631.08	R2	pc.
79322	178	254.97	R2	pc.
79325	178	254.97	R2	pc.
79327	178	254.97	R2	pc.
79328	178	254.97	R2	pc.
79415	158	99.90	R2	pc.
79417	158	99.90	R2	pc.
79418	158	99.90	R2	pc.
79453	222	293.94	R2	pc.
79455	222	293.94	R2	pc.
79541	264	169.38	R2	pc.
79542	264	169.38	R2	pc.
79543	264	169.38	R2	pc.
79561	266	212.81	R2	pc.
79562	266	212.81	R2	pc.
79563	266	212.81	R2	pc.
79852	218	342.90	R2	pc.
79855	218	342.90	R2	pc.
79857	218	342.90	R2	pc.
79858	218	342.90	R2	pc.
79872	188	290.52	R2	pc.
79882	200	456.39	R2	pc.
79892	194	384.21	R2	pc.
80100	465	493.74	R2	pc.
80110	463	493.74	R2	pc.
80120	464	648.72	R2	pc.
80140	465	474.75	R2	pc.
80194	462	154.35	R2	pc.
80200	474	108.77	R2	pc.
80205	475	129.42	R2	pc.
80206	477	123.62	R2	pc.
80220	476	185.00	R2	pc.
80270	474	111.13	R2	pc.
80290	473	121.82	R2	pc.
80299	478	71.17	R2	pc.
80395	485	65.70	R2	pc.
80440	460	112.79	R2	pc.
80450	460	109.98	R2	pc.
80460	456	109.98	R2	pc.
80462	453	104.33	R2	pc.
80464	455	161.06	R2	pc.
80473	487	86.69	R2	pc.
80474	487	64.10	R2	pc.
80475	486	103.43	R2	pc.
80477	455	182.32	R2	pc.
80478	456	88.92	R2	pc.
80479	453	91.17	R2	pc.
80491	489	65.30	R2	pc.
80494	454	118.42	R2	pc.
80495	453	130.59	R2	pc.
80500	481	144.79	R2	pc.
80505	481	155.25	R2	pc.
80510	482	128.45	R2	pc.
80520	480	169.72	R2	pc.
80530	467	169.72	R2	pc.
80540	457	169.72	R2	pc.
80560	460	142.47	R2	pc.
80570	458	97.94	R2	pc.
80571	458	97.94	R2	pc.
80574	458	97.94	R2	pc.
80576	459	113.15	R2	pc.
80577	459	92.03	R2	pc.
80578	459	35.62	R2	pc.
80579	459	38.59	R2	pc.
80710	470	108.43	R2	pc.
80715	471	113.56	R2	pc.
80720	472	135.45	R2	pc.
80730	468	148.50	R2	pc.
80770	470	108.45	R2	pc.
80775	471	131.02	R2	pc.
80780	469	97.02	R2	pc.
80790	466	110.86	R2	pc.
80791	466	96.21	R2	pc.
80795	466	80.71	R2	pc.
80799	466	55.62	R2	pc.
81165	286	258.75	R2	pc.
81175	286	56.34	R2	pc.
81185	286	28.33	R2	pc.
81195	286	99.11	R2	pc.
81522	312	145.04	R2	pc.
81550	296	94.10	R2	pc.
81551	296	49.14	R2	pc.
81555	296	456.62	R2	pc.
81565	276	153.14	R2	pc.
81575	276	38.21	R2	pc.
81576	306	307.85	R2	pc.
81585	276	19.35	R2	pc.
81586	306	65.43	R2	pc.
81595	276	62.30	R2	pc.
81596	306	34.81	R2	pc.
82125	197	326.77	R2	pc.
82127	197	326.77	R2	pc.
82128	197	326.77	R2	pc.
82205	156	689.42	R2	pc.
82207	156	689.42	R2	pc.
82208	156	689.42	R2	pc.
82215	168	665.82	R2	pc.
82217	168	665.82	R2	pc.
82218	168	665.82	R2	pc.
82315	148	1034.01	R2	pc.
82317	148	1034.01	R2	pc.
82318	148	1034.01	R2	pc.
82415	154	72.25	R2	pc.
82417	154	72.25	R2	pc.
82418	154	72.25	R2	pc.
82425	186	121.84	R2	pc.
82427	186	121.84	R2	pc.
82428	186	121.84	R2	pc.
82435	166	102.35	R2	pc.
82437	166	102.35	R2	pc.
82438	166	102.35	R2	pc.
82443	216	238.82	R2	pc.
82445	216	238.82	R2	pc.
82518	268	372.98	R2	pc.
82855	208	340.56	R2	pc.
82857	208	340.56	R2	pc.
82858	208	340.56	R2	pc.
82861	170	192.49	R2	pc.
82863	170	192.49	R2	pc.
82865	170	192.49	R2	pc.
82868	170	192.49	R2	pc.
82871	186	187.07	R2	pc.
82873	186	187.07	R2	pc.
82875	186	187.07	R2	pc.
82878	186	187.07	R2	pc.
82881	200	223.16	R2	pc.
82883	200	223.16	R2	pc.
82885	200	223.16	R2	pc.
82888	200	223.16	R2	pc.
82891	194	206.48	R2	pc.
82893	194	206.48	R2	pc.
82895	194	206.48	R2	pc.
82898	194	206.48	R2	pc.
84000	232	169.65	R2	pc.
84095	174	97.54	R2	pc.
84097	174	97.54	R2	pc.
84105	176	107.55	R2	pc.
84107	176	107.55	R2	pc.
84108	176	107.55	R2	pc.
84115	202	167.49	R2	pc.
84117	202	167.49	R2	pc.
84118	202	167.49	R2	pc.
84453	220	284.78	R2	pc.
84454	220	284.78	R2	pc.
84455	220	284.78	R2	pc.
84458	220	284.78	R2	pc.
84524	272	167.18	R2	pc.

Article no.	Page	Price	Rg	PU
84529	244	158.18	R2	pc.
84575	250	112.16	R2	pc.
84576	252	178.54	R2	pc.
84577	254	161.78	R2	pc.
84578	256	207.90	R2	pc.
84603	210	106.20	R2	pc.
84605	210	106.20	R2	pc.
84608	210	106.20	R2	pc.
84853	190	146.81	R2	pc.
84855	190	146.81	R2	pc.
84858	190	146.81	R2	pc.
84859	242	146.81	R2	pc.
84863	180	114.08	R2	pc.
84865	180	114.08	R2	pc.
84973	214	189.86	R2	pc.
84975	214	189.86	R2	pc.
84983	212	112.95	R2	pc.
84985	212	112.95	R2	pc.
84988	212	112.95	R2	pc.
85071	423	117.92	R2	pc.
85076	423	117.92	R2	pc.
85427	430	15.93	R2	pc.
85428	430	19.37	R2	pc.
85430	434	29.59	R2	pc.
85433	432	40.23	R2	pc.
85434	438	43.36	R2	pc.
85439	431	16.63	R2	pc.
85440	431	14.81	R2	pc.
85441	431	15.26	R2	pc.
85442	430	19.58	R2	pc.
85443	434	27.47	R2	pc.
85445	438	27.43	R2	pc.
85446	438	38.81	R2	pc.
85451	423	110.25	R2	pc.
85452	423	124.00	R2	pc.
85453	423	128.25	R2	pc.
85455	423	129.58	R2	pc.
85459	418	27.74	R2	pc.
85461	423	110.25	R2	pc.
85462	423	124.00	R2	pc.
85463	423	128.25	R2	pc.
85464	423	167.36	R2	pc.
85469	418	23.85	R2	pc.
85470	420	40.55	R2	pc.
85471	421	46.17	R2	pc.
85475	720	40.55	R2	pc.
85476	721	46.17	R2	pc.
85477	422	92.07	R2	pc.
85950	435	18.68	R2	pc.
85955	438	42.28	R2	pc.
85960	432	37.19	R2	pc.
85965	438	34.88	R2	pc.
85970	432	37.19	R2	pc.
85975	439	41.42	R2	pc.
85980	436	54.34	R2	pc.
85984	419	58.21	R2	pc.
85985	439	46.49	R2	pc.
85990	437	76.41	R2	pc.
86000	337	19.82	R2	pc.

Article no.	Page	Price	Rg	PU
86001	339	19.82	R2	pc.
86002	337	11.57	R2	pc.
86006	237	4.50	R2	pc.
86007	237	4.50	R2	pc.
86013	340	1,435.05	R2	pc.
86015	340	1,435.05	R2	pc.
86016	344	1,644.41	R2	pc.
86023	340	3,590.82	R2	pc.
86025	340	3,590.82	R2	pc.
86026	344	3,662.21	R2	pc.
86076	350	1,784.43	R2	pc.
86080	327	6.93	R2	pc.
86081	333	26.96	R2	pc.
86082	330	26.96	R2	pc.
86088	330	15.82	R2	pc.
86089	330	30.69	R2	pc.
86090	333	18.70	R2	pc.
86091	333	18.70	R2	pc.
86092	333	13.95	R2	pc.
86093	333	13.16	R2	pc.
86094	333	8.51	R2	pc.
86095	330	23.20	R2	pc.
86096	330	23.20	R2	pc.
86097	330	14.58	R2	pc.
86098	330	12.96	R2	pc.
86099	330	15.23	R2	pc.
86107	338	1,431.00	R2	pc.
86141	162	225.00	R2	pc.
86144	162	148.50	R2	pc.
86145	162	148.50	R2	pc.
86149	162	225.00	R2	pc.
86151	172	247.50	R2	pc.
86159	172	247.50	R2	pc.
86170	349	23.00	R2	pc.
86171	349	23.00	R2	pc.
86175	347	12.89	R2	pc.
86180	347	6.93	R2	pc.
86181	341	24.86	R2	pc.
86182	341	24.86	R2	pc.
86183	341	13.97	R2	pc.
86184	341	11.39	R2	pc.
86185	341	11.39	R2	pc.
86186	345	13.46	R2	pc.
86187	345	13.46	R2	pc.
86188	341	26.96	R2	pc.
86189	345	26.96	R2	pc.
86190	345	18.70	R2	pc.
86191	345	18.70	R2	pc.
86192	345	26.01	R2	pc.
86193	345	24.86	R2	pc.
86194	345	24.86	R2	pc.
86195	341	20.36	R2	pc.
86196	341	20.36	R2	pc.
86197	341	14.29	R2	pc.
86198	345	13.97	R2	pc.
86199	341	8.15	R2	pc.
86260	331	1,023.75	R2	pc.
86262	331	1,023.75	R2	pc.
86267	331	1,023.75	R2	pc.

Article no.	Page	Price	Rg	PU
86270	342	1,107.00	R2	pc.
86272	342	1,107.00	R2	pc.
86277	342	1,107.00	R2	pc.
86288	330	36.61	R2	pc.
86289	333	36.61	R2	pc.
86290	333	23.92	R2	pc.
86291	333	22.50	R2	pc.
86292	333	11.57	R2	pc.
86295	330	21.74	R2	pc.
86296	330	21.74	R2	pc.
86297	330	11.57	R2	pc.
86315	162	148.50	R2	pc.
86318	162	175.50	R2	pc.
86319	162	148.50	R2	pc.
86345	150	78.75	R2	pc.
86348	150	87.75	R2	pc.
86349	162	148.50	R2	pc.
86355	182	312.75	R2	pc.
86358	182	312.75	R2	pc.
86375	228	537.75	R2	pc.
86378	228	537.75	R2	pc.
86385	230	726.75	R2	pc.
86388	230	726.75	R2	pc.
86414	152	114.75	R2	pc.
86415	152	114.75	R2	pc.
86417	152	114.75	R2	pc.
86424	184	519.75	R2	pc.
86425	184	519.75	R2	pc.
86437	164	212.63	R2	pc.
86439	162	175.50	R2	pc.
86475	278	128.25	R2	pc.
86485	278	180.00	R2	pc.
86495	327	19.67	R2	pc.
86496	327	19.67	R2	pc.
86497	327	10.31	R2	pc.
86512	262	247.50	R2	pc.
86520	264	357.75	R2	pc.
86521	264	402.75	R2	pc.
86522	264	402.75	R2	pc.
86523	264	445.50	R2	pc.
86524	274	321.75	R2	pc.
86525	274	137.25	R2	pc.
86526	274	225.00	R2	pc.
86527	274	312.75	R2	pc.
86528	238	216.00	R2	pc.
86529	238	333.00	R2	pc.
86533	249	5.06	R2	pc.
86534	151	5.85	R2	pc.
86535	249	5.85	R2	pc.
86536	151	5.20	R2	pc.
86538	151	3.38	R2	pc.
86539	303	3.38	R2	pc.
86544	150	87.75	R2	pc.
86545	150	78.75	R2	pc.
86546	248	110.25	R2	pc.
86549	302	279.00	R2	pc.
86554	182	312.75	R2	pc.
86555	182	312.75	R2	pc.
86564	280	126.00	R2	pc.

Article no.	Page	Price	Rg	PU
86565	280	126.00	R2	pc.
86576	248	225.00	R2	pc.
86640	283	27.32	R2	pc.
86641	283	27.32	R2	pc.
86642	283	15.23	R2	pc.
86660	309	28.04	R2	pc.
86661	309	15.82	R2	pc.
86662	309	15.82	R2	pc.
86706	300	618.75	R2	pc.
86716	300	1,050.75	R2	pc.
86726	300	1,548.00	R2	pc.
86736	304	958.50	R2	pc.
86746	304	1,948.50	R2	pc.
86756	308	270.00	R2	pc.
86757	310	1,239.75	R2	pc.
86758	314	659.25	R2	pc.
86790	301	16.40	R2	pc.
86791	301	16.40	R2	pc.
86792	301	3.71	R2	pc.
86793	301	2.25	R2	pc.
86794	301	9.00	R2	pc.
86795	301	31.77	R2	pc.
86796	301	28.04	R2	pc.
86797	301	28.04	R2	pc.
86798	301	15.23	R2	pc.
86815	206	436.50	R2	pc.
86817	206	436.50	R2	pc.
86818	206	436.50	R2	pc.
86829	246	180.00	R2	pc.
86845	226	936.00	R2	pc.
86873	292	1,237.50	R2	pc.
86875	292	1,237.50	R2	pc.
86884	290	1,125.00	R2	pc.
86885	290	1,125.00	R2	pc.
86905	282	742.50	R2	pc.
86915	282	742.50	R2	pc.
86924	282	1,381.50	R2	pc.
86925	282	2,052.00	R2	pc.
86935	282	720.00	R2	pc.
86944	282	1,327.50	R2	pc.
86954	282	1,878.75	R2	pc.
86964	290	1,181.25	R2	pc.
86965	290	1,181.25	R2	pc.
86974	290	2,227.50	R2	pc.
86975	290	2227.50	R2	pc.
86985	290	2,207.25	R2	pc.
86990	283	14.99	R2	pc.
86991	283	4.12	R2	pc.
86992	283	2.25	R2	pc.
86993	283	13.39	R2	pc.
86994	283	2.25	R2	pc.
86995	283	8.46	R2	pc.
86996	283	14.99	R2	pc.
86997	283	28.49	R2	pc.
87400	424	53.91	R2	pc.
87456	424	309.26	R2	pc.
87457	424	627.17	R2	pc.
87463	424	133.00	R2	pc.
87494	424	122.94	R2	pc.
88135	172	229.50	R2	pc.
88137	172	229.50	R2	pc.
88138	172	229.50	R2	pc.
88144	162	175.50	R2	pc.
88145	162	175.50	R2	pc.
88155	198	364.50	R2	pc.
88157	198	364.50	R2	pc.
88158	198	364.50	R2	pc.
88164	288	225.00	R2	pc.
88165	288	225.00	R2	pc.
88195	204	420.75	R2	pc.
88197	204	420.75	R2	pc.
88198	204	420.75	R2	pc.
88295	192	261.00	R2	pc.
88297	192	261.00	R2	pc.
88298	192	261.00	R2	pc.
88315	162	175.50	R2	pc.
88318	162	175.50	R2	pc.
88319	162	148.50	R2	pc.
88345	150	78.75	R2	pc.
88348	150	78.75	R2	pc.
88349	150	78.75	R2	pc.
88355	182	312.75	R2	pc.
88358	182	312.75	R2	pc.
88414	152	114.75	R2	pc.
88415	152	114.75	R2	pc.
88424	184	519.75	R2	pc.
88425	184	519.75	R2	pc.
88457	484	2,135.25	R2	pc.
88458	483	1,820.25	R2	pc.
88477	484	2,135.25	R2	pc.
88510	488	132.75	R2	pc.
88523	238	333.00	R2	pc.
88526	238	252.00	R2	pc.
88529	238	252.00	R2	pc.
88530	238	252.00	R2	pc.
88534	238	5.63	R2	pc.
88536	281	5.63	R2	pc.
88537	303	5.63	R2	pc.
88538	281	3.04	R2	pc.
88539	303	3.04	R2	pc.
88540	150	137.25	R2	pc.
88541	150	137.25	R2	pc.
88542	150	137.25	R2	pc.
88543	150	137.25	R2	pc.
88544	150	78.75	R2	pc.
88545	150	78.75	R2	pc.
88546	248	110.25	R2	pc.
88549	302	306.00	R2	pc.
88554	182	312.75	R2	pc.
88555	182	312.75	R2	pc.
88560	280	164.25	R2	pc.
88561	280	164.25	R2	pc.
88562	280	164.25	R2	pc.
88563	280	164.25	R2	pc.
88564	280	137.25	R2	pc.
88565	280	137.25	R2	pc.
88566	302	213.75	R2	pc.
88567	281	2.25	R2	pc.
88568	303	2.25	R2	pc.
88569	281	2.25	R2	pc.
88596	299	3.38	R2	pc.
88669	303	2.25	R2	pc.
88670	281	4.50	R2	pc.
88671	281	2.25	R2	pc.
88672	303	2.25	R2	pc.
88695	224	396.00	R2	pc.
88765	129	154.35	R2	pc.
88806	126	27.00	R2	pc.
88807	67	35.03	R2	pc.
88808	67	63.00	R2	pc.
88809	67	63.00	R2	pc.
88810	130	90.00	R2	pc.
88816	126	27.00	R2	pc.
88818	67	63.00	R2	pc.
88819	67	63.00	R2	pc.
88823	127	50.20	R2	pc.
88869	67	63.00	R2	pc.
88879	67	63.00	R2	pc.
88883	125	45.00	R2	pc.
88897	130	70.54	R2	pc.
88915	298	378.00	R2	pc.
88944	224	378.00	R2	pc.
88954	298	355.50	R2	pc.
88980	298	323.98	R2	pc.
88981	298	323.98	R2	pc.
88982	298	323.98	R2	pc.
88983	298	323.98	R2	pc.
88988	299	0.68	R2	pc.
88989	299	0.68	R2	pc.
88996	236	1,010.25	R2	pc.
88997	234	209.25	R2	pc.
89150	461	315.14	R2	pc.
89450	165	354.22	R2	pc.
89502	490	29.25	R2	pc.
89600	479	141.30	R2	pc.
89999	281	20.18	R2	pc.
99007	117	1.80	R1	pc.
ALU50371UWW	69	162.00	R1	pc.
ALU50371UWWD	69	165.60	R1	pc.
ALU50371WW	69	162.00	R1	pc.
ALU50371WWD	69	165.60	R1	pc.
ALU50372UWW	69	162.00	R1	pc.
ALU50372UWWD	69	165.60	R1	pc.
ALU50372WW	69	162.00	R1	pc.
ALU50372WWD	69	165.60	R1	pc.
ALU50373UWW	69	162.00	R1	pc.
ALU50373UWWD	69	169.20	R1	pc.
ALU50373WWD	69	165.60	R1	pc.
ALU50374UWW	69	162.00	R1	pc.
ALU50374UWWD	69	169.20	R1	pc.
ALU50374WW 6	9	162.00	R1	pc.
ALU50374WWD	69	165.60	R1	pc.
ALU50375UWW	69	162.00	R1	pc.
ALU50375UWWD	69	169.20	R1	pc.
ALU50375WW	69	162.00	R1	pc.
ALU50375WWD	69	169.20	R1	pc.
ALU50376UWW	69	162.00	R1	pc.

Article no.	Page	Price	Rg	PU
ALU50376UWWD	69	169.20	R1	pc.
ALU50376WW	69	165.60	R1	pc.
ALU50376 WWD	69	169.20	R1	pc.
ALU50378UWWD	69	169.20	R1	pc.
ALU50379WW	69	165.60	R1	pc.
ALU50379WWD	69	169.20	R1	pc.
ALU53391NWD	29	121.14	R1	pc.
ALU53391NWOK	29	70.24	R1	pc.
ALU53391UWWD	29	121.14	R1	pc.
ALU53391UWWOK	29	70.24	R1	pc.
ALU53392UWWD	29	121.14	R1	pc.
ALU53392UWWOK	29	70.24	R1	pc.
ALU53393UWWD	29	125.06	R1	pc.
ALU53393UWWOK	29	74.16	R1	pc.
ALU53394UWWD	29	125.06	R1	pc.
ALU53394UWWOK	29	74.16	R1	pc.
ALU53395NWD	29	125.06	R1	pc.
ALU53395NWOK	29	74.16	R1	pc.
ALU53395UWWD	29	125.06	R1	pc.
ALU53395UWWOK	29	74.16	R1	pc.
ALU53396UWWD	29	127.84	R1	pc.
ALU53396UWWOK	29	76.93	R1	pc.
ALU53399UWWD	29	127.84	R1	pc.
ALU53399UWWOK	29	76.93	R1	pc.
ALU53471UWW	27	111.82	R1	pc.
ALU53471UWWD	27	115.88	R1	pc.
ALU53471UWWOK	27	64.98	R1	pc.
ALU53474UWW	27	119.95	R1	pc.
ALU53474UWWD	27	124.02	R1	pc.
ALU53474UWWOK	27	73.12	R1	pc.
ALU53475UWW	27	119.95	R1	pc.
ALU53475UWWD	27	124.02	R1	pc.
ALU53475UWWOK	27	73.12	R1	pc.
ALU53479UWW	27	121.07	R1	pc.
ALU53479UWWD	27	125.14	R1	pc.
ALU53479UWWOK	27	74.23	R1	pc.
ALU54351WW	9	41.90	R1	pc.
ALU54355WW	9	50.18	R1	pc.
ALU54371WW	9	41.90	R1	pc.
ALU54375WW	9	50.18	R1	pc.
ALU54391WW	9	50.18	R1	pc.
ALU54395WW	9	60.01	R1	pc.
ALU54471WW	9	50.18	R1	pc.
ALU54475WW	9	60.01	R1	pc.
ALU55211	85	60.05	R1	pc.
ALU55215	85	76.39	R1	pc.
ALU55219	85	87.62	R1	pc.
ALU55221	85	67.32	R1	pc.
ALU55225	85	83.84	R1	pc.
ALU55229	85	91.01	R1	pc.
ALU55231	66	34.27	R1	pc.
ALU55235	66	47.66	R1	pc.
ALU55239	66	52.20	R1	pc.
ALU55341	96	14.58	R1	pc.
ALU55342	96	14.58	R1	pc.
ALU55343	96	17.10	R1	pc.
ALU55344	96	17.10	R1	pc.
ALU55345	96	17.10	R1	pc.
ALU55346	96	19.44	R1	pc.

Article no.	Page	Price	Rg	PU
ALU55351	82	11.63	R1	pc.
ALU55352	82	11.63	R1	pc.
ALU55353	82	15.59	R1	pc.
ALU55354	82	15.59	R1	pc.
ALU55355	82	15.59	R1	pc.
ALU55356	82	18.68	R1	pc.
ALU55358	82	18.68	R1	pc.
ALU55359	82	18.68	R1	pc.
ALU55371	80	13.14	R1	pc.
ALU55372	80	13.14	R1	pc.
ALU55373	80	16.74	R1	pc.
ALU55374	80	16.74	R1	pc.
ALU55375	80	16.74	R1	pc.
ALU55376	80	17.57	R1	pc.
ALU55378	80	17.57	R1	pc.
ALU55379	80	17.57	R1	pc.
ALU55383	91	23.40	R1	pc.
ALU55384	91	23.40	R1	pc.
ALU55385	91	23.40	R1	pc.
ALU55391	82	18.72	R1	pc.
ALU55393	82	23.76	R1	pc.
ALU55394	82	23.76	R1	pc.
ALU55395	82	23.76	R1	pc.
ALU55397	82	23.76	R1	pc.
ALU55399	82	30.96	R1	pc.
ALU55471	80	24.30	R1	pc.
ALU55472	80	24.30	R1	pc.
ALU55473	80	28.80	R1	pc.
ALU55474	80	28.80	R1	pc.
ALU55475	80	28.80	R1	pc.
ALU55476	80	32.40	R1	pc.
ALU55477	80	28.80	R1	pc.
ALU55479	80	32.40	R1	pc.
ALU55480	78	55.40	R1	pc.
ALU55481	79	28.76	R1	pc.
ALU55482	79	28.76	R1	pc.
ALU55484	79	32.22	R1	pc.
ALU55485	79	32.22	R1	pc.
ALU55486	79	38.81	R1	pc.
ALU55489	79	38.81	R1	pc.
ALU55541	87	21.60	R1	pc.
ALU55543	87	32.40	R1	pc.
ALU55544	87	32.40	R1	pc.
ALU55545	87	32.40	R1	pc.
ALU55546	87	39.24	R1	pc.
ALU55548	87	39.24	R1	pc.
ALU55549	87	39.24	R1	pc.
ALU55551	87	32.80	R1	pc.
ALU55552	87	32.80	R1	pc.
ALU55554	87	49.61	R1	pc.
ALU55555	87	49.61	R1	pc.
ALU55559	87	59.40	R1	pc.
ALU55591	95	65.30	R1	pc.
ALU55595	95	77.54	R1	pc.
ALU55599	95	81.65	R1	pc.
ALU55671	83	27.14	R1	pc.
ALU55674	83	31.54	R1	pc.
ALU55675	83	31.54	R1	pc.
ALU55678	83	31.54	R1	pc.

Article no.	Page	Price	Rg	PU
ALU55679	83	33.12	R1	pc.
ALU55681	83	28.37	R1	pc.
ALU55684	83	30.74	R1	pc.
ALU55685	83	30.74	R1	pc.
ALU55689	83	32.62	R1	pc.
ALU55711	88	141.88	R1	pc.
ALU55712	88	141.88	R1	pc.
ALU55721	88	175.86	R1	pc.
ALU55722	88	175.86	R1	pc.
ALU55731	88	232.92	R1	pc.
ALU55732	88	232.92	R1	pc.
ALU55771	81	12.20	R1	pc.
ALU55772	81	12.20	R1	pc.
ALU55773	81	15.19	R1	pc.
ALU55774	81	15.19	R1	pc.
ALU55775	81	15.19	R1	pc.
ALU55776	81	15.80	R1	pc.
ALU55778	81	15.80	R1	pc.
ALU55779	81	15.80	R1	pc.
ALU55781	81	11.92	R1	pc.
ALU55782	81	11.92	R1	pc.
ALU55783	81	14.62	R1	pc.
ALU55784	81	14.62	R1	pc.
ALU55785	81	14.62	R1	pc.
ALU55786	81	15.98	R1	pc.
ALU55788	81	15.98	R1	pc.
ALU55789	81	15.98	R1	pc.
ALU55801	84	76.14	R1	pc.
ALU55802	84	76.14	R1	pc.
ALU55804	84	107.93	R1	pc.
ALU55809	84	122.65	R1	pc.
ALU55811	84	76.64	R1	pc.
ALU55812	84	76.64	R1	pc.
ALU55814	84	122.33	R1	pc.
ALU55815	84	122.33	R1	pc.
ALU55819	84	122.65	R1	pc.
ALU55831	96	10.66	R1	pc.
ALU55832	96	10.66	R1	pc.
ALU55833	96	14.98	R1	pc.
ALU55834	96	14.98	R1	pc.
ALU55835	96	14.98	R1	pc.
ALU55839	96	16.85	R1	pc.
ALU55841	92	9.72	R1	pc.
ALU55842	92	9.72	R1	pc.
ALU55843	92	12.92	R1	pc.
ALU55844	92	12.92	R1	pc.
ALU55845	92	12.92	R1	pc.
ALU55846	92	14.40	R1	pc.
ALU55849	92	14.40	R1	pc.
ALU55861	93	27.76	R1	pc.
ALU55864	93	32.72	R1	pc.
ALU55865	93	32.72	R1	pc.
ALU55871	94	31.79	R1	pc.
ALU55873	94	33.84	R1	pc.
ALU55874	94	33.84	R1	pc.
ALU55875	94	33.84	R1	pc.
ALU55876	94	36.00	R1	pc.
ALU55878	94	36.00	R1	pc.
ALU55879	94	36.00	R1	pc.

Article no.	Page	Price	Rg	PU
ALU56371WW	68	100.33	R1	pc.
ALU56372WW	68	100.33	R1	pc.
ALU56373WW	68	103.93	R1	pc.
ALU56374WW	68	103.93	R1	pc.
ALU56375WW	68	103.93	R1	pc.
ALU56376WW	68	104.76	R1	pc.
ALU56378WW	68	104.76	R1	pc.
ALU56379WW	68	104.76	R1	pc.
ALU56371UWW	68	100.33	R1	pc.
ALU56372UWW	68	100.33	R1	pc.
ALU56373UWW	68	103.93	R1	pc.
ALU56374UWW	68	103.93	R1	pc.
ALU56375UWW	68	103.93	R1	pc.
ALU56376UWW	68	104.76	R1	pc.
ALU56378UWW	68	104.76	R1	pc.
ALU56379UWW	68	104.76	R1	pc.
ALU56371WWD	68	104.40	R1	pc.
ALU56372WWD	68	104.40	R1	pc.
ALU56373WWD	68	108.00	R1	pc.
ALU56374WWD	68	108.00	R1	pc.
ALU56375WWD	68	108.00	R1	pc.
ALU56376WWD	68	108.83	R1	pc.
ALU56378WWD	68	108.83	R1	pc.
ALU56379WWD	68	108.83	R1	pc.
ALU56371UWWD	68	104.40	R1	pc.
ALU56372UWWD	68	104.40	R1	pc.
ALU56373UWWD	68	108.00	R1	pc.
ALU56374UWWD	68	108.00	R1	pc.
ALU56375UWWD	68	108.00	R1	pc.
ALU56376UWWD	68	108.83	R1	pc.
ALU56378UWWD	68	108.83	R1	pc.
ALU56379UWWD	68	108.83	R1	pc.
ALU57351DTWOK	25	73.08	R1	pc.
ALU57351NWD	28	117.32	R1	pc.
ALU57351NWOK	28	67.03	R1	pc.
ALU57351UWWD	28	117.32	R1	pc.
ALU57351UWWOK	28	67.03	R1	pc.
ALU57351WWD	28	117.32	R1	pc.
ALU57351WWOK	28	67.03	R1	pc.
ALU57352DTWOK	25	73.08	R1	pc.
ALU57352UWWD	28	117.32	R1	pc.
ALU57352UWWOK	28	67.03	R1	pc.
ALU57353DTWOK	25	78.48	R1	pc.
ALU57353UWWD	28	122.29	R1	pc.
ALU57353UWWOK	28	72.00	R1	pc.
ALU57354DTWOK	25	78.48	R1	pc.
ALU57354UWWD	28	122.29	R1	pc.
ALU57354UWWOK	28	72.00	R1	pc.
ALU57355DTWOK	25	78.48	R1	pc.
ALU57355NWD	28	122.29	R1	pc.
ALU57355NWOK	28	72.00	R1	pc.
ALU57355UWWD	28	122.29	R1	pc.
ALU57355UWWOK	28	72.00	R1	pc.
ALU57359UWWD	28	124.74	R1	pc.
ALU57356DTWOK	25	92.70	R1	pc.
ALU57356UWWD	28	124.74	R1	pc.
ALU57356UWWOK	28	73.80	R1	pc.
ALU57359DTWOK	25	92.70	R1	pc.
ALU57359UWWOK	28	73.80	R1	pc.

Article no.	Page	Price	Rg	PU
ALU57371UWWD	26	113.40	R1	pc.
ALU57371UWWOK	26	63.00	R1	pc.
ALU57371WWD	26	113.40	R1	pc.
ALU57371WWOK	26	63.00	R1	pc.
ALU57372WWD	26	113.40	R1	pc.
ALU57372WWOK	26	63.00	R1	pc.
ALU57373WWD	26	118.80	R1	pc.
ALU57373WWOK	26	66.60	R1	pc.
ALU57374UWW	26	118.80	R1	pc.
ALU57374UWWD	26	118.80	R1	pc.
ALU57374UWWOK	26	66.60	R1	pc.
ALU57374WWD	26	118.80	R1	pc.
ALU57374WWOK	26	66.60	R1	pc.
ALU57375UWW	26	117.00	R1	pc.
ALU57375UWWD	26	118.80	R1	pc.
ALU57375UWWOK	26	66.60	R1	pc.
ALU57375WWD	26	118.80	R1	pc.
ALU57375WWOK	26	66.60	R1	pc.
ALU57376 WWOK	26	70.20	R1	pc.
ALU57379UWWD	26	122.90	R1	pc.
ALU57379UWWOK	26	70.20	R1	pc.
ALU57379WWD	26	122.90	R1	pc.
ALU57379WWOK	26	70.20	R1	pc.
ALU57671UWWOK	32	83.16	R1	pc.
ALU57675UWWOK	32	87.19	R1	pc.
ALU57679UWWOK	32	89.14	R1	pc.
ALU57681UWWOK	32	82.94	R1	pc.
ALU57685UWWOK	32	88.60	R1	pc.
ALU57689UWWOK	32	88.81	R1	pc.
ALU57850NWOK	21	88.13	R1	pc.
ALU57850UWWOK	21	88.13	R1	pc.
ALU57850 WWOK	21	88.13	R1	pc.
ALU57851NWOK	21	96.95	R1	pc.
ALU57851UWWOK	21	96.95	R1	pc.
ALU57851WWOK	21	96.95	R1	pc.
ALU58271WW	31	199.91	R1	pc.
ALU58271WWD	31	202.32	R1	pc.
ALU58271WWOK	31	152.03	R1	pc.
ALU58371WWD	31	182.09	R1	pc.
ALU58371WWOK	31	131.18	R1	pc.
ALU58372WWD	31	182.09	R1	pc.
ALU58372WWOK	31	131.18	R1	pc.
ALU58373WWD	31	227.30	R1	pc.
ALU58373WWOK	31	176.40	R1	pc.
ALU58374WWD	31	227.30	R1	pc.
ALU58374WWOK	31	176.40	R1	pc.
ALU58376WWOK	31	180.00	R1	pc.
ALU58379UWWOK	31	180.00	R1	pc.
ALU58379WWD	31	230.90	R1	pc.
ALU58481NWOK	23	65.95	R1	pc.
ALU58481UWWOK	23	65.95	R1	pc.
ALU58482NWOK	23	65.95	R1	pc.
ALU58482UWWOK	23	65.95	R1	pc.
ALU58485NWOK	23	73.26	R1	pc.
ALU58485UWWOK	23	73.26	R1	pc.
ALU58801WWOK	20	154.48	R1	pc.
ALU58809WWOK	20	154.48	R1	pc.
ALU58811WWOK	20	154.48	R1	pc.
ALU58819WWOK	20	154.48	R1	pc.

Article no.	Page	Price	Rg	PU
C57351UWWOK	30	69.77	R1	pc.
C57352UWWOK	30	69.77	R1	pc.
C57353UWWOK	30	74.56	R1	pc.
C57354UWWOK	30	74.56	R1	pc.
C57355UWWOK	30	74.56	R1	pc.
C57359UWWOK	30	75.71	R1	pc.
LED53501WW	52	51.75	R2	pc.
LED53502S	54	92.25	R2	pc.
LED53502WW	52	83.25	R2	pc.
LED53503S	54	132.75	R2	pc.
LED53503WW	52	114.75	R2	pc.
LED55011WW	51	42.08	R2	pc.
LED55013 WW	51	42.08	R2	pc.
LED55014 WW	51	42.08	R2	pc.
LED55019WW	51	42.08	R2	pc.
LED5501-V4A	57	91.35	R2	pc.
LED55101WW	56	45.14	R2	pc.
LED55105WW	56	45.14	R2	pc.
LED55109WW	56	45.14	R2	pc.
LED55201WW	8	59.83	R1	pc.
LED55202WW	8	59.83	R1	pc.
LED55205WW	8	59.83	R1	pc.
LED55209WW	8	59.83	R1	pc.
LED55271WW	49	47.25	R2	pc.
LED55281WW	49	49.50	R2	pc.
LED55285WW	49	58.50	R2	pc.
LED55791WWOK	33	80.75	R1	pc.
LED55792WWOK	33	80.75	R1	pc.
LED55795WWOK	33	94.43	R1	pc.
LED55981WW	40	67.32	R1	pc.
LED55984WW	40	67.32	R1	pc.
LED55985WW	40	67.32	R1	pc.
LED55989WW	40	67.32	R1	pc.
LED56980WW	38	34.85	R1	pc.
LED57240B	64	158.98	R5	pc.
LED57240W	64	158.98	R5	pc.
LED57240WW	64	158.98	R5	pc.
LED57241B	64	158.98	R5	pc.
LED57241 W	64	158.98	R5	pc.
LED57241 WW	64	158.98	R5	pc.
LED57242B	64	158.98	R5	pc.
LED57242W	64	158.98	R5	pc.
LED57242WW	64	158.98	R5	pc.
LED57500WWOK	35	49.68	R1	pc.
LED57505WWOK	35	50.83	R1	pc.
LED57510 WW	48	275.26	R1	pc.
LED57520WW	48	295.24	R1	pc.
LED57540WWOK	34	96.16	R1	pc.
LED57541 WWOK	34	98.60	R1	pc.
LED57861WW	41	21.44	R2	pc.
LED57871WW	41	21.44	R2	pc.
LED57989W	39	39.89	R2	pc.
LED57989WW	39	39.89	R2	pc.
R55011	115	9.11	R1	pc.
R55012	115	9.11	R1	pc.
R55013	115	9.54	R1	pc.
R55014	115	9.54	R1	pc.
R55015	155	9.54	R1	pc.
R55019	155	11.38	R1	pc.

Article no.	Page	Price	Rg	PU
R55031	99	4.79	R1	pc.
R55032	99	4.79	R1	pc.
R55033	99	5.94	R1	pc.
R55034	99	5.94	R1	pc.
R55035	99	5.94	R1	pc.
R55036	99	7.78	R1	pc.
R55038	99	7.78	R1	pc.
R55039	99	7.78	R1	pc.
R55041	115	14.29	R1	pc.
R55042	115	14.29	R1	pc.
R55043	115	14.90	R1	pc.
R55044	115	14.90	R1	pc.
R55045	115	14.90	R1	pc.
R55051	99	10.08	R1	pc.
R55052	99	10.08	R1	pc.
R55053	99	12.64	R1	pc.
R55054	99	12.64	R1	pc.
R55055	99	12.64	R1	pc.
R55056	99	13.86	R1	pc.
R55058	99	13.86	R1	pc.
R55059	99	13.86	R1	pc.
R55061	98	15.30	R1	pc.
R55064	98	19.48	R1	pc.
R55065	98	19.48	R1	pc.
R55080	102	8.57	R1	pc.
R55090	102	20.95	R1	pc.
R55110	103	22.32	R1	pc.
R55111	100	12.42	R1	pc.
R55112	100	12.42	R1	pc.
R55113	100	15.48	R1	pc.
R55114	100	15.48	R1	pc.
R55115	100	15.48	R1	pc.
R55116	100	18.00	R1	pc.
R55119	100	18.00	R1	pc.
R5511-V4A	104	34.31	R1	pc.
R55151		8.42	R1	pc.
R55158		9.50	R1	pc.
R5516-V4A		46.08	R1	pc.
R55171		42.59	R1	pc.
R55173		45.68	R1	pc.
R55174		45.68	R1	pc.
R55175		45.68	R1	pc.
R55179		48.38	R1	pc.
R55181	103	23.54	R1	pc.
R55361	90	21.31	R1	pc.
R55362	90	21.31	R1	pc.
R55364	90	32.76	R1	pc.
R55365	90	32.76	R1	pc.
R55369	90	36.68	R1	pc.
R5557-1	105	72.72	R1	pc.
R5557-V4A	105	72.72	R1	pc.
R5558-1	105	68.40	R1	pc.
R5558-V4A	105	68.40	R1	pc.
R55600	101	38.05	R1	pc.
R55601	101	38.05	R1	pc.
R55610	101	72.00	R1	pc.
R55611	101	72.00	R1	pc.
R5563-1	106	80.89	R1	pc.
R5563-V4A	106	80.89	R1	pc.
R5564-1	106	74.02	R1	pc.
R5564-V4A	106	74.02	R1	pc.
R5566-1	107	93.60	R1	pc.
R5566-V4A	107	93.60	R1	pc.
R5569-1	107	88.20	R1	pc.
R5569-V4A	107	88.20	R1	pc.
R55881	109	30.02	R1	pc.
R55883	109	32.80	R1	pc.
R55884	109	32.80	R1	pc.
R55885	109	32.80	R1	pc.
R55889	109	34.13	R1	pc.
R55891	108	46.66	R1	pc.
R55893	108	55.80	R1	pc.
R55895	108	55.80	R1	pc.
R55901	108	41.90	R1	pc.
R55904	108	50.18	R1	pc.
R55905	108	50.18	R1	pc.
R55909	108	60.01	R1	pc.
R55983		12.92	R1	pc.
R55984	97	12.92	R1	pc.
R55985	97	12.92	R1	pc.
R55989	97	13.32	R1	pc.
R55991	97	7.42	R1	pc.
R55993	97	9.97	R1	pc.
R55994	97	9.97	R1	pc.
R55995	97	9.97	R1	pc.
R55996	97	10.04	R1	pc.
R55999	97	10.04	R1	pc.
R57361UWWOK	22	79.20	R1	pc.
R57361WWOK	22	79.20	R1	pc.
R57365UWWOK	22	93.60	R1	pc.
R57365WWOK	22	93.60	R1	pc.
R57563HPWWOK	46	121.82	R1	pc.
R57564HPWWOK	46	121.82	R1	pc.
R57661UWWOK	47	127.44	R1	pc.
R5766HPUWWOK	47	127.44	R1	pc.
R5766V4AUWWOK	47	127.44	R1	pc.
R57691UWWOK	47	122.87	R1	pc.
R5769HPUWWOK	47	122.87	R1	pc.
R5769V4AUWWOK	47	122.87	R1	pc.
R57881UWWOK	42	66.89	R1	pc.
R57884UWWOK	42	69.70	R1	pc.
R57885UWWOK	42	69.70	R1	pc.
R57889UWWOK	42	70.24	R1	pc.
R57891UWWOK	44	128.81	R1	pc.
R57895UWWOK	44	128.81	R1	pc.
R57911UWWOK	43	56.77	R1	pc.
R57915UWWOK	43	60.16	R1	pc.
R57941UWWOK	43	56.77	R1	pc.
R57945UWWOK	43	60.16	R1	pc.
S86031	328	180.00	R2	m
S86032	328	180.00	R2	m
S86033	328	180.00	R2	m
S86034	328	180.00	R2	m
S86035	328	180.00	R2	m
S86036	332	202.50	R2	m
S86037	328	180.00	R2	m
S86050	348	258.75	R2	m
S86051	348	258.75	R2	m
S86052	348	258.75	R2	m
S86053	348	258.75	R2	m
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S86057	348	258.75	R2	m
S86078	352	393.75	R2	m
S86106	336	225.00	R2	m
S86116	336	225.00	R2	m
S86136	334	281.25	R2	m
S86137	334	281.25	R2	m
S86163	346	258.75	R2	m
S86165	346	258.75	R2	m
S86230	326	123.75	R2	m
S86232	326	123.75	R2	m
S86233	326	123.75	R2	m
S86235	326	123.75	R2	m
S86239	326	123.75	R2	m
S86613	322	135.00	R2	m
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TERMS AND CONDITIONS

I. General Provisions

1. The issue of a corresponding written declaration of intent from both parties to the contract shall be material for the conclusion of a purchase agreement and the scope of the delivery obligations arising thereunder. If there is no such written declaration of intent, solely the written order confirmation from the supplier shall be binding in law. In addition, the terms and conditions of delivery and payment set out below are hereby deemed to have been accepted.
2. All deliveries and services performed by us, including in the future and ancillary services such as consulting before and after the conclusion of agreements, shall take place exclusively based on the following terms and conditions, even for alignment. The terms and conditions of purchasing of the purchaser are hereby rejected. They shall not be binding on us even if we do not reject them when concluding a contract. Our general terms and conditions of delivery and payment shall be deemed to have been accepted by the point at which delivery of our goods is taken at the latest.
3. Our offers are subject to change without notice. In particular, any contracts and agreements that depart from our terms and conditions will not be binding on us until we have confirmed them in writing. Issuing offers shall not place us under any obligation to grant contracts. This will also apply to the orders we place via our sales representatives.

II. Scope and duty of delivery

1. The technical data in our catalogue, lists and illustrations (including weights and dimensions) is compiled with care. Errors accepted. Any modifications aimed at achieving technical progress shall be subject to reservation following acceptance of the order, provided that the price, function and delivery deadline are not thereby affected. The property and copyright are specifically reserved by the supplier. In the absence of a written agreement to the contrary, offers and the documents pertaining thereto may not be disclosed to third parties. The documents, illustrations, samples etc. pertaining to offers must be returned on request.
2. Products verified with order numbers or serial numbers of the supplier are developed by the supplier and are exempt from any restriction on use by the customer.
3. For custom manufacturing, deliveries of up to 10% above or below the quantity ordered shall be binding on the client. This shall also apply to small deliveries.
4. Packaging materials will not be collected, in the absence of any written agreement to the contrary.

III. Prices

1. The prices shall apply for deliveries of goods agreed on under contract ex works, including packaging, unless stipulated otherwise in writing. In the event of changes to the general manufacturing costs, the Supplier reserves the right to make price adjustments up to and including the day of delivery. Prices are in euros, unless stated otherwise. They do not include VAT. Unless any agreements to the contrary are concluded, samples will be provided only in exchange for payment.

IV. Reservation of title

Until payment is made in full for all claims arising under this business relationship, the goods shall remain the property of the supplier, even after they have been divested by the customer. This reservation of title shall extend to any products already incorporated and/or resold. Claims to the resale of goods by the customer will automatically be vested in the supplier as soon as they arise. If the supplier's goods are incorporated into other products, the share of value representing the supplier's goods in the entire claim to the sale of the products by the order shall be vested in the supplier as soon as it arises. The share of title in the revenue generated from the resale of the goods shall be vested in the supplier as soon as payment is received by the client. Any unpaid goods of the supplier may not be pledged or given as collateral. All claims arising under this business relationship shall fall due immediately if the client falls into cessation of payments, applies to be placed in administration or enters a moratorium. In the event of a cessation of payments, the buyer must supply unsolicited a list of third-party debtors. The client has to inform us before concluding any factoring agreements in respect of its own claims. If it sells its claims as part of genuine factoring, it shall assign the claims accruing against the factor to us. We will accept this assignment. The debtor is obliged to separate out and list any parts still present in its warehouse in the event of payment difficulties and supply us with this list immediately. The same applies to goods delivered and subject to reservation of title that it has delivered to third parties. The supplier is obliged to set off all claims accruing to it or any of the companies set out below against the client with all claims that the client may have against the supplier or any of the companies set out below. The following companies have authorised the supplier to assign their claims:

rutec Licht GmbH & Co. KG · 15, Carl Zeiss St· 28857 Syke/Germany

V. Terms and conditions of payment

1. For payments within 30 days of the date of invoicing, the amount of the invoice shall be payable without deduction. For payments made within 10 days, a discount of 2% will be granted. In the event of delays in payment, late payment interest of 8% above the basic legal rate will be charged. The date from which interest is calculated shall be the date on which the invoice is drawn up. If the client falls into payment arrears, the supplier may claim any outstanding payments immediately without regard to any provisions to the contrary. Invoices of a net invoice value of up to € 50 shall be due immediately without deduction.
2. The set-off and/or retention of payments owing to any counterclaim from the client not recognised by the supplier is not permitted.
3. Cheques and bank transfers will be accepted for payment purposes only once the funds have actually been transferred. The effective date for payments shall be the date on which the client can dispose of the amount paid without reservation. Bills are not accepted as means of payment and will be accepted by the debtor only if it is agreed that all banking, discount and collection charges will be covered.
4. Any terms and conditions of payment that conflict with those set out in Section V. 13 must be confirmed in writing by the supplier in order to be valid.
5. Credit notes will be drawn up solely for the purposes of set-off. There shall be no claims to payment under any such notes.

VI. Delivery deadlines

1. The beginning of the delivery deadline shall be the date on which agreement is reached in writing between the client and the supplier concerning the order. Complying with the delivery deadlines shall constitute receiving in due time all documents to be provided by the client and any authorisations and approvals required, the clarification and approval in due time of all plans, and the compliance with the terms and conditions of payment and other conditions agreed on between the two parties. Delivery deadlines given shall always be deemed to be approximate and non-binding. Partial deliveries shall be permitted at all times. Deliveries to unknown customers shall be made solely in exchange for payment in advance. The supplier shall not be liable for complying with delivery deadlines unless an express warranty to this effect is issued. If these obligations are not met in due time, the delivery deadline shall be extended appropriately, and the supplier shall not be required to pay damages.
2. Delivery deadlines shall be deemed subject to any unforeseen events, regardless of whether those events arise in the factory of the supplier or its subcontractor, such as force majeure, mobilisations, war, civil unrest, the proved rejection of a major work piece or other transport delays, disruptions to work, strikes and lockouts through no fault of the Supplier and subject to any delayed delivery of important raw and finished materials through no fault of the supplier itself, just as long as it can be proven that these events had a significant impact on the manufacture or supply of the product forming the subject of the delivery. This shall also apply to any pre-existing delays. If such events occur, the supplier must inform the customer as soon as possible. The supplier shall be granted a reasonable grace period.
3. If the batch in question leaves the supplier's production site, the delivery deadline shall be deemed to have been observed.
4. If dispatch or provision is delayed beyond the agreed delivery deadline at the request of the client and they will charged warehousing fees of 1.9% of the amount stated in the invoice for the beginning of each month after a notification has been sent to confirm that the goods are ready for delivery.

VII. Transfer of risk

Risk shall pass to the client including if the factory or the distributing warehouse has agreed on the delivery carriage paid:

1. When the goods leave the supplier. Dispatch has to be arranged by the client. In the absence of any specific provisions on dispatch, we will select the most cost-effective method of delivery in our estimation. Packaging shall be carried out with due care and dispatch to the best of our ability, albeit without any liability of the supplier. If requested and paid for by the client, deliveries may be insured by the supplier against loss, breakage, transport and fire damage.
2. If dispatch and payment are deferred on request from the client, the risk shall pass to the client on the date the goods are ready for delivery and for the duration of the delay; the supplier shall nonetheless be obliged to take out the relevant insurance cover on request and if paid for by the client.
3. Returns may not be made without our prior permission and must be carriage paid. Special deliveries may not be returned. As a matter of principle the client will receive a credit note minus processing costs of 20% of the value of the delivery and costs for accepting the return, verification, commissioning and repackaging.

VIII. Acceptance and performance

1. All products delivered must be accepted by the client, even if they display minor damages that do not affect the functionality of the products.
2. Partial deliveries are permitted.
3. The notification made to the client that the goods ordered under the terms and conditions of the delivery shall constitute the performance of the delivery order.
4. The supplier shall be solely responsible under the provisions of Section 9 of these terms and conditions of delivery prior to the date of performance (liability and defect in delivery) and must send the item in question on request. Any warranted properties shall not be classified as such unless they are referred to and clearly identifiable as such.

IX. Liability for defects in delivery

1. The buyer must examine and test the goods immediately after delivery.
2. Any claims for incorrect or incomplete deliveries or for defects must be brought in writing without delay, and within 3 days of the goods being delivered at the latest. If any defects arise subsequently, this must be notified to us in the same manner and within the same deadline, calculated from when the defects were found. Claims for latent defects may in any event be only brought within a period of 6 months after the delivery of the goods. Defects must be substantiated. After this period has elapsed, the goods will be deemed to have been accepted and the buyer shall have no claims whatsoever in regard thereto.
3. If a product with visible damage is delivered, the client is obliged to bring a claim for damages against the haulier without delay, enclosing an official or postal record of the damage, and inform us of this in writing.
4. The Purchaser must inspect the goods carefully for any material defects in particular. We shall not be liable for any loss or damage occurring during and/or after assembly.
5. Natural wear and tear and damage attributable to negligent or inappropriate handling by the client are excluded from this warranty. This warranty shall lapse if the product purchased is modified by third parties or by the incorporation of parts of a foreign manufacture by the client or by third parties. This shall apply accordingly for any inappropriate handling and non-expert assembly or commissioning of the subject-matter of the contract. In these circumstances we shall not bear any liability.
6. We are obliged to rectify any defects, provide a replacement delivery or deliver replacement parts, at our own choice, within a reasonable time and to the exclusion of any other claims under warranty.
7. The buyer must grant us a reasonable time and a reasonable opportunity to make the necessary modifications and to perform replacement deliveries or deliver spare parts. If the buyer refuses to grant this opportunity, we shall not be liable for the defects.
8. Any additional claims of any nature (particularly claims for damages for consequential loss, claims for negligence during the conclusion of a contract, claims for non-contractual liability and claims for damages for any negligent breach of our duty to rectify or redeliver) are excluded. This shall not apply if we or our legal representative or agent have acted wilfully or with gross negligence.
9. The client must as a matter of principle complies with the contractual obligations incumbent on it, to whit the terms and conditions of payment agreed on herein. If claims for defects are brought, payments may not be withheld by the client except to an extent reasonably proportionate to the defects arising, or if otherwise agreed in advance with the supplier.
10. If the customer requires a warranty from us and it subsequently emerges that we are not obliged to grant any such warranty, the customer shall bear any expenditure incurred by us in connection therewith

X. Supplier's right to withdraw

The supplier has a right to withdraw if they are not in a position to effect performance under Section VI. This shall apply to the occurrence of unforeseen events as defined in Section VI. Of the terms and conditions of delivery, provided that they change the economic impact or the content of the performance significantly or if they significantly hamper the operation of the supplier, and if any event subsequently arises that makes the actual performance impossible. In recognition of the scope of the event, the supplier must inform the buyer immediately that they want to withdraw, even if an extension to the delivery deadline has been agreed on with the supplier. Any claims for damages from the client in respect of such a withdrawal are excluded. Our duty to perform is contingent on the buyer's solvency. If justified doubts arise in this business relationship even after obligations have been entered into, we shall be entitled to request that security is provided or to withdraw from our obligation to deliver and no right to compensation shall accrue to the buyer in this regard. The purchase price for any goods already delivered shall also be given immediately.

XI. Applicable jurisdiction

The place of performance for all obligations arising under this contract shall be Syke/Germany. The applicable jurisdiction for both parties (including for cheque proceedings) shall be Syke. We nevertheless reserve the right to bring proceedings before another competent court. German law shall apply exclusively, and the application of the laws on the international sale of goods is excluded.

XII. Arbitration tribunal

1. If the parties agree to settle any disputes via arbitration proceedings, each party must designate an arbitrator within four weeks if so requested by the opposing party.
2. The arbitration tribunal must rule in accordance with the agreed terms and conditions of delivery. §§ 1025-1048 of the Code of Civil Procedure shall apply to the arbitration proceedings for the remainder.

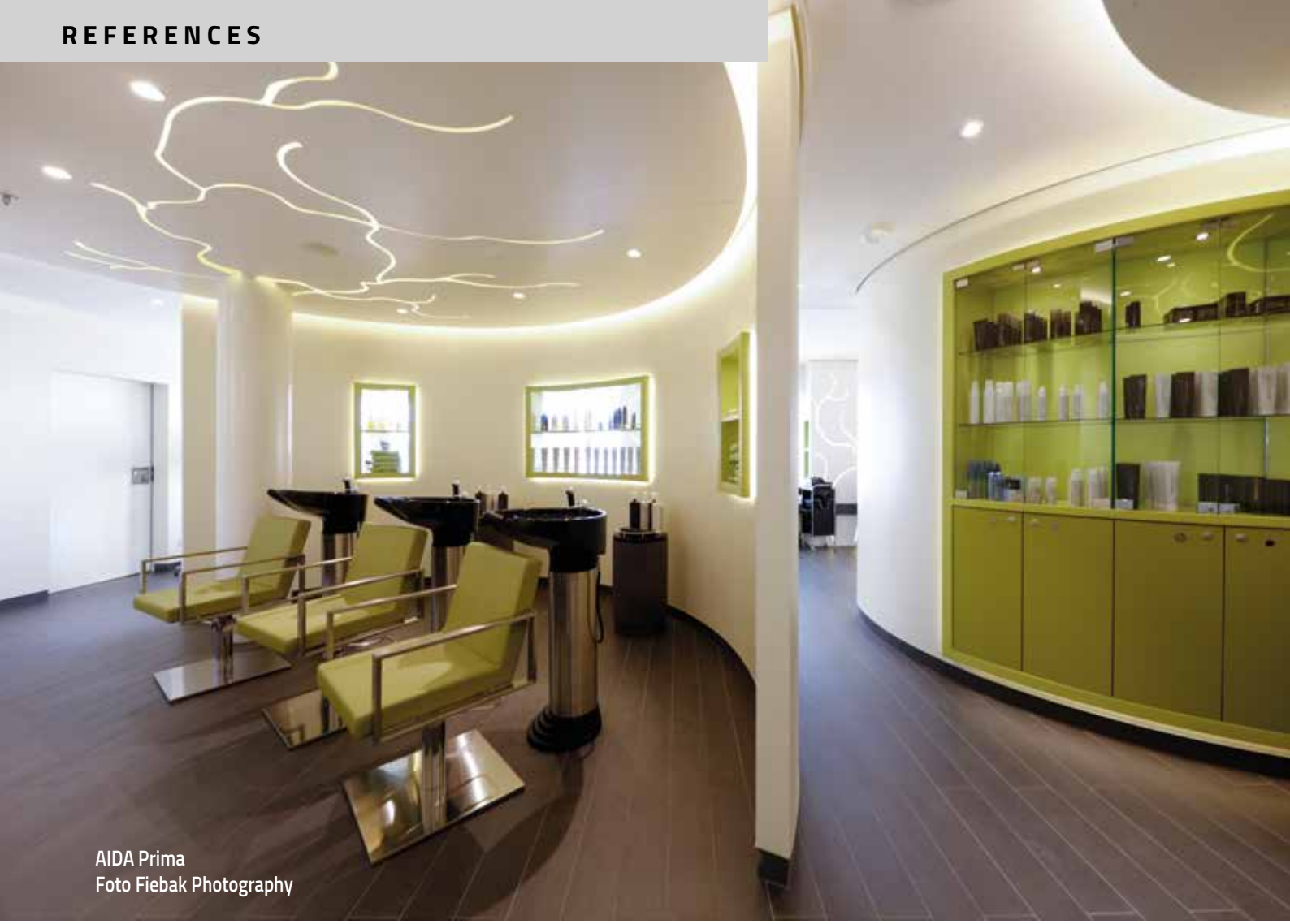
XIII. Transferability of the contract

Clients may not transfer their rights under this contract to third parties without the permission of the supplier.

XIV. Severability clause

These contractual provisions shall remain valid even if any individual clauses should prove invalid. The invalid clause in question in these General Contractual Terms and Conditions must be extended or rephrased to ensure that the economic purpose of that provision is met to the greatest extent possible in law. The same shall apply if it emerges during the performance of the contract that there is a loophole that needs to be filled. If the invalidity concerns a degree of performance or a period of time, the legally permissible degree or period shall apply instead.

Our general contractual terms and conditions
apply to all orders.



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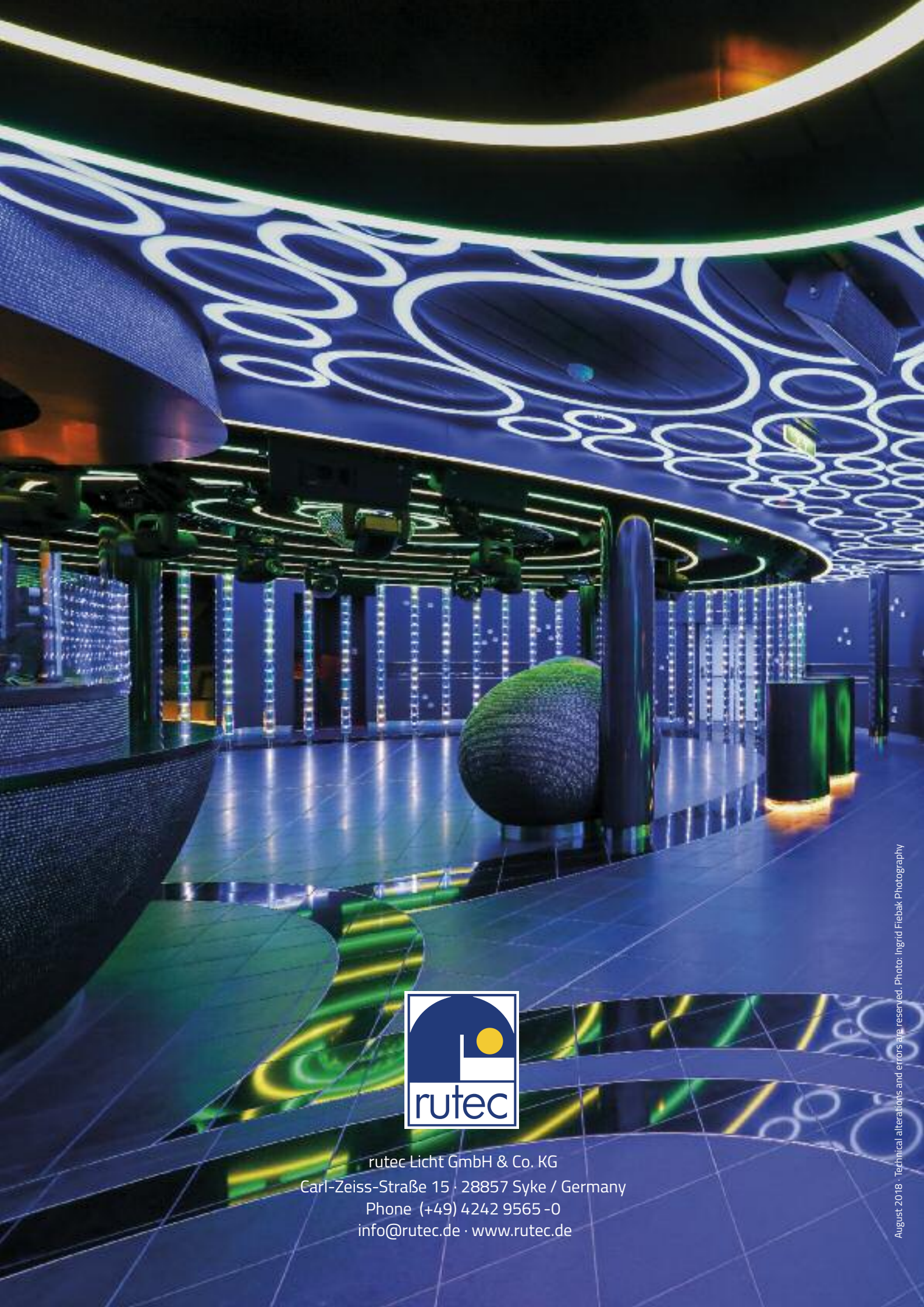
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