

LIGHTING CATALOG 2017

rutec



Content

from Page 5



LED recessed downlights Chip On Board (COB)

NEW SANYA LED recessed downlight AC 6
NEW TALU LED recessed downlight - Dim To Warm 7
TALU LED recessed downlight Compact 8
TALU LED Compact for stretched ceilings 12
TALU LED recessed downlight Power 13
Focusable recessed downlight 14
CALA LED downlights 16
NEW RINCA LED recessed downlight 22
MELIMAR recessed downlight 24
DEKO-recessed downlight 26
QILE RGBWW LED recessed downlight 30
MELIMAR light points 32
LED light points 33
LED crystal light points 35
NEW LED light points tiltable 37
High protection class IP44 38
NEW CALINA COB recessed downlight 40
TULKA LED lightpoint, IP65 42
TULKA High protection class IP55 LED 43
MELIMAR Surface mounted downlight 44
LED furniture recessed downlight 45
LARA Furniture recessed downlight AC 46
LARA Furniture recessed and surface mounted downlight ..47
Wall recessed spotlight 54

from Page 61



Recessed downlight for replaceable bulbs

NEW Diecast aluminium recessed downlight incl. module 62
CALAD LED downlights for Zhaga module BOOK 2 66
Solid aluminium downlight Melimar 68
MELIMAR for GX53-1 energy-saving lamps 72
Cardanic downlights 74
Aluminium recessed downlight 76
Diecast aluminium recessed downlights 77
Steel recessed downlights 96
304 stainless steel recessed downlights 99
316 stainless steel recessed downlights 102
TULKA 316 stainless steel recessed downlights 103
High protection class recessed downlight 106
Furniture recessed and surface mounted downlight 112
recessed downlight Accessories 114
Sales promotion 116
Guide values for light output 118
How much light in which room? 119
IP protection 120

IMPRINT:

Editor:	rutec Licht GmbH & Co. KG
Layout/DTP:	Druckarte, Neubruchhausen, Germany
Photos:	Stefanie Bomhoff, Mathis Beutel, Verlag Shutterstock, MEV Verlag, Fotolia and others
Print:	Konradin Druck, 40.000 Pieces
Copyright:	rutec Licht GmbH & Co. KG, March 2017

Existing trademarks (patents, trademarks, registered designs) are normally specified. However, any omission does not imply that such rights of protection do not exist.

Technical alterations and errors are reserved.

from Page 122



LED Modules

Power LED module 35 mm, 5.2 W 123
Power LED module 50 mm, 6.2 W 124
NEW Power LED module 50 mm, 7 W Dim To Warm 125
Power LED module 50 mm, 10 W 126
Trio Color RGB LED Spot 127
Power LED modules 111 mm 128

from Page 130



LED inground spotlight

KEMENTARI SF, SFQ, F, FQ - parquet recessed spotlight IP67 132
KEMENTARI L - floor recessed spotlight IP67 134
KEMENTARI LQ - floor recessed spotlight IP67 136

from Page 137



VARDAflex Strips for indoor use

LED - General Aspects 138
How Do You Find the Right Strip? 139
Easy Installation 140
Brightness Comparison VARDAflex 141
VARDAflex Installation and Operating Instructions 141
VARDAflex 142
VARDAflex CRI95 144
VARDAflex Plus 146
VARDAflex Plus CRI90 148
VARDAflex Plus Profi 150
VARDAflex Double 152
VARDAflex Double CRI 95 154
VARDAflex Para 156
NEW VARDAflex Ultra 158
VARDAflex Triple 160
VARDAflex Double Profi 162
VARDAflex High Eco 164
VARDAflex High Performance 166
VARDAflex RGB / RGB Double 168
VARDAflex RGBW one Chip 170
NEW VARDAflex RGBW / WW 172
VARDAflex RGBW+W+WW / RGB+W+A 174
VARDAflex Mini 176
VARDAflex Side Mini Plus 178
VARDAflex Side Mini Double 180
VARDAflex Asymmetrical 182
VARDAflex Surround 184
VARDAflex Select 186
VARDAflex Infrared IR-940 nm 188
VARDAflex Para UV Black Light 190

from Page 192



VARDAflex Strips for indoor and outdoor use

VARDAflex Nano IP66 192
VARDAflex Plus Nano IP66 194
VARDAflex Double Nano IP66 196
VARDAflex RGB Double Nano IP66 198
NEW VARDAflex RGBWW One-Chip Nano IP66 200
NEW VARDAflex IP67 202
VARDAflex IP68 204
VARDAflex Plus IP68 206
VARDAflex Outdoor IP65 208
VARDAflex Outdoor Plus IP65 210
NEW VARDAflex Outdoor Plus Opal IP65 212
Installation VARDAflex Outdoor 214, 228
VARDAflex RGB / RGB Double IP68 216
VARDAflex Outdoor RGB IP65 218
VARDAflex Outdoor RGB Double IP65 220
NEW VARDAflex Outdoor RGB Intelligence 222
VARDAflex Side Mini IP67 230
VARDAflex Select IP68 232
Variation of sealed connections VARDAflex Neon 235
Brightness comparison VARDAflex Neon 236
NEW VARDAflex Neon Piko 238
NEW VARDAflex Neon Piko Top 240
VARDAflex Neon Mikro IP68 242
VARDAflex Neon Mikro Top IP68 244
VARDAflex Neon Mini IP68 246
VARDAflex Neon Mini Tube IP68 250
VARDAflex Neon IP68 252
VARDAflex Neon Select IP68 256
VARDAflex Neon Color IP68 258
VARDAflex Neon RGB IP68 260
VARDAflex Neon RGBW 264
NEW VARDAflex Neon RGB Intelligence 266
NEW VARDAflex Neon RGBW Intelligence Eight 270
VARDAflex Neon Tube IP68 272
VARDAflex Neon Tube Color IP65/68 274
VARDAflex Neon Tube RGB IP68 276
NEW VARDAflex neon SVQ 278
VARDAflex Neon Top IP68 280
NEW VARDAflex Neon Top RGB 284
NEW VARDAflex Neon Top RGBW Intelligence 286
Installation and operating information 288

from Page 290



Light profiles

Light Profiles 290
Installation Guide / Accessories 298/299

from Page 300



Aluprofiles for VARDAflex Strips

Strip / profile overview 300
U and collar profiles
Alu Profile PROFI H12 302
Alu Profile PROFI H18 303
Alu Profile PROFI H9,9 304
Accessories for alu profile PROFI 306
Alu Profile SlimLine H7 308

NEW Alu Profile LED H.14 mm Slender....309
Alu Profile SlimLine H15....310
Alu Profile SlimLine Flat H8....311
Accessories for alu profiles SlimLine....312
Alu Profile SL WIDE H20....314
Alu Profile SL WIDE H20 collar....315
Alu Profile PowerLine H35....317
Alu Profile SL WIDE H10....318
Alu Profile SlimLine 80 H35....319
Alu Profile PowerLine 80 collar....320
Alu Profile PowerLine W116....321
Alu Profile handrail....322
Corner profiles
Alu Profile LED corner 45° Profi....325
Alu Profile SlimLine corner....326
Alu Profile SlimLine corner 45°....327
Ceiling profiles
Alu Profile PROFI ceiling....329
Alu Profile Wallwasher ceiling....330
Aluminum Profile Powerline LED H.35mm Smooth....331
Aluminum Profile LED H.55mm....332
Aluminum Profile PowerLine 116 Collar....333
Wall profiles
Alu Profile Round....334
Alu Profile SlimLine Wall....336
Aluminum Profile Baseboard....337
Alu Profile SL WIDE Wall H20....338
Alu Profile PowerLine Wall H35....340
Alu Profile PowerLine Wall H35 Up and Down....341
Alu Profile Wall Sail Up and Down....342
Alu Profile Round Cover H25....343
Wall profil IP54....344
Alu Profiles IP68
Alu Profile LED IP68 H31....346
Montage for IP68-Profile....347
Alu Profiles IP68 H11....348
Alu Profile LED IP68 corner....349
Stair profiles
NEW Alu Profile Stair Slender....350
Alu Profile SlimLine Stair....351
Alu Profile Stair indirekt....352
Alu Profile Stair indirekt Carpet....353

from Page 354

LED- Power Supplies and Converters



Power supply overview....356
rutec LED power supply, 12/24 V DC....358
Mean Well 12 V and 24 V DC series....364
Overview Constant current converter....366
Overview Constant current converter, dimmable....368
rutec LED converter constant current....370
Clean net due to active PFC....373
rutec LED converter constant current, active PFC....374
rutec LED converter constant current, dimmable....378

from Page 380

LED Dimmer and Controller

Dimmer and controller overview
Constant voltage (RF)....382
Dimmer and controller overview
Constant voltage (wired)....384
Dimmer and controller overview
Constant current RF, KNX, DALI, DMX, 1-10V....386

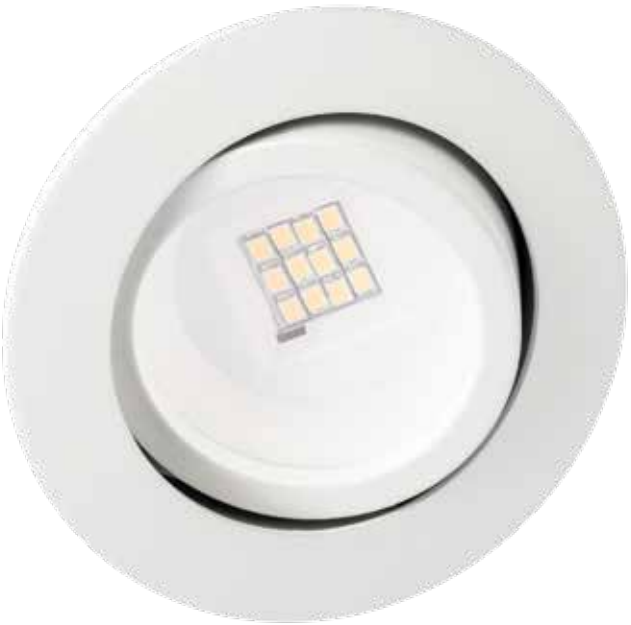
Radio Frequenz
Radio transmitter MY HAND WiFi....390
LED RF receiver 12/24V DC - RGBW....391
LED RF receiver constant current....392
LED RF receive 24V DC - RGBW....393
LED RF receiver 12/24V....394
LED RF receiver 12-24 V IP44....395
LED RF receiver Syncro constant current....396
LED RF receiver Syncro 12-24 V....397
LED RF receiver constant current - DALI/DMX....398
LED RF receiver 12/24V DC - DALI/DMX....399
LED RF receiver 12/24V DC - 3 outputs....400
LED RF receiver select 12/24V....401
RF dimmer 0-10 oder 1-10V....402
NEW LED RF dimmer 1-10V constant current....403
On/off radio receiver 230 V....404
Radio dimmer 230 V....405
Motion detector....406
2-Channel RF transmitter for Wall switches....407
LED wall switch rf transmitter....408
Daylight control transmitter....410
LED RF transmitter....411
LED remote control set....412
Remote control with colour wheel 4 zones....413
RGBW controller Master....413
NEW LED Controller Set - single colour 12V/24V....414
NEW Remote control with colour wheel 4 zones....415
NEW RGB+W+WW Controller....415
Remote control with colour wheel 4 zones....416
Master RGB controller....416
RGBW controller Set....416
rutec EnOcean dim actor 12-24V....417
EnOcean transmitter....418
KNX
rutec KNX dimmer actuator 350mA....419
NEW rutec KNX dimmer actuator AC constant voltage....420
rutec KNX actor DC constant voltage....421
DALI
NEW rutec DALI dimmer actuator AC constant current....422
rutec DALI dimmer actuator DC constant current....423
rutec DALI dimmer actuator AC 50W constant voltage....424
rutec DALI dimmer actuator DC constant voltage....425
rutec DALI dimmer actuator DC constant voltage....426
rutec DALI dimmer actuator DC IP67 constant voltage....427
DMX
rutec DMX actuator constant current....428
rutec DMX actuator DC constant voltage....429
rutec DMX actuator DC constant voltage....430
rutec DMX actuator DC IP67 constant voltage....431
rutec DMX actuator DC....432
rutec DMX signal amplifier....433
DMX-SPI Decoder....434
DMX Touchpanel RGBW....435
Glass-Touchpanel single-colour....436
TFT Touchpanel....437
LCD Touchscreen....438

NEW rutec Dim-Actuator 1-10V....439
rutec LED Dimmer single-colour 1-10V constant current....440
rutec LED Dimmer 1-10V, Potentiometer, constant voltage....441
rutec LED Repeater IP68....442
rutec LED Repeater....443
Touchdimmer Platine....444

FAQ....445
Guarantee conditions....446
Sales promotion....447
Articlenumbers / Prices....448
General terms....457
Applications....459



Dim to warm-Strahler CALINA
R57891DTWOK



SANYA
preiswerter Aluminium-Druckguss Strahler
ALU54371WW

Dear customers,

Ever since Thomas Alva Edison invented and marketed the incandescent bulb in autumn 1879, People are fascinated and impressed by electrical light. The development went on from incandescent lamps to discharge lamps and came to diode-technology, in exact LED, which power consumption compare to light output is still sensational. The improvement of light pick up pace: you realized how innovative the lighting market always produces new ideas and lighting applications. We, rutec Licht, are proud to be a part of it. In the last years we specialized our company in recessed ceiling light and LED-Strips including accessories, like profiles, and control systems. And the new catalog will show you, the development continues: the new themes Human Centric Lighting (HCL) and Smart Home are also our focus. Incessantly we are working to make lighting better, more efficient and enjoyable.

Good light reasonable – with SANYA AC!

If a new technology is successful, soon there is also a mass production in low-wages countries, but at a quality which is quite poor. We distinguish between „cheap" and „reasonable". Our customers, of course, will be asked for reasonable solutions, and also this we have in program – but then reasonable still means the proven rutec quality, no cheap products. Best example is our new 230V-recessed downlight SANYA AC for indoor use: a very reasonable recessed downlight, but with good quality aluminum housing. At the version with clear cover glass, the SMD-Chips of SANYA provide 500 Lumen light output at 5W power, with frosted glass it will be 100 lumen less. The round or square, tiltable downlight, for which you do not need a converter, is available in colours white and Iron brush (page 6). Attractive Price and Energy-efficiency-class A++ – that are our reasonable lighting solutions.

LED-Light getting more enjoyable: Dim To Warm

In one moment you read or eat at clear brightness – the next moment you dim the light to make it more cosy and to relax: this effect of a classic dimming situation is now also possible with our LED recessed downlights. „Dim To Warm" (DTW) is the name of the technology, designed for special Modules and recessed downlights of our program, at which the COB-Chip will be "warmed" from 2.800 to 2.000 Kelvin at dimming process. You can realize it with our Power-LED-Modul, which can be installed in almost all our recessed downlights, and with the ultra flat



(40mm) LED recessed downlight TALU. And also at our bigger and more powerful IP54 recessed downlight CALINA (by the way, now more reasonable and available in 15 different colours) you do not have to renounce of the Dim To Warm-Feature (page 41).

VARDAflex Neon and Outdoor now with RGBW!

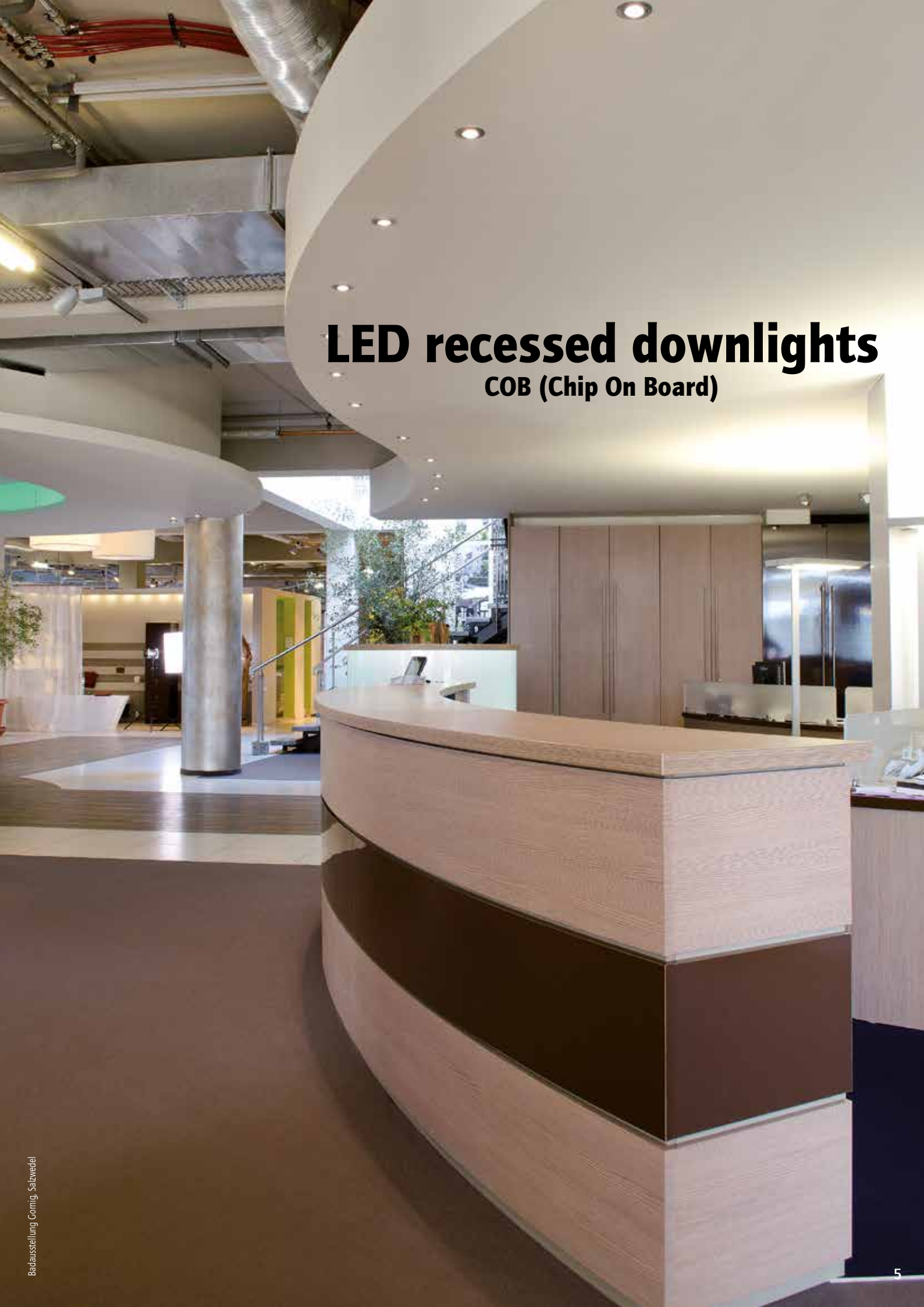
Light is more than just lighting, light is also Design. This knowledge is not new, but the importance increased recently – and we provide the right products. Our sealed VARDAflex-LED-Strips gain high reputation at architectual and design areas. On cruise vessels – just to mention one example – VARDAflex-Strips by rutec are used in astonishing and impressive applications. The demand of customers are increasing, and we of course react accordingly. Therefore we have VARDAflex Neon now also as RGBW version. Herewith one can adjust all colours available, next to a pure white light colour. Somebody who need even more complex light solutions, can control certain sections of the strips by DMX at VARDAflex Outdoor and Neon Intelligence (from page 222 onwards). Program your own light show and enchant people!

All new and established rutec products you will find on the following 460 pages. And because there is always something new in our family owned company, please have a look on our new Facebook-Site (www.facebook.com/rutec.de) or our new webpage (www.rutec.de), which will be online in April.

Please enjoy reading our new catalog.

Holger Rullhusen

Birthe Eikmeier



LED recessed downlights

COB (Chip On Board)

Badausstellung Gormig, Salzwedel



SANYA AC LED-recessed downlight 5W
220V-240V 50/60Hz 5W SMD LED, movable, IP40, with coverglass

NEW

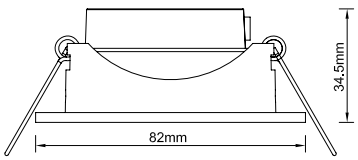
- Indoor use
- Material: Diecast aluminum, plastic reflector, protective glass
- Protection class IP40, when fitted in enclosed ceilings
- Light colour: 3000K
- Input voltage: 220-240V AV 50/60 Hz
- Light flux: 500 Lumen
- Beam angle 90°
- CRI 80
- Lifespan L70: ≥ 30,000 hours
- **not dimmable**

ALU54371WW

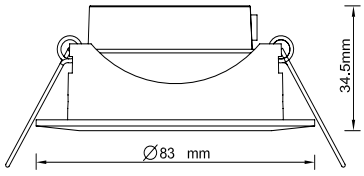


ALU54471WW

ALU5447



ALU5437



Energy efficiency class A++

ORDERING INFORMATION

					 White	 Iron brushed
	Outer	Debth	LED Colour			
circular	83 mm	35 mm	3000 K	ø 68 mm	ALU54371WW	ALU54375WW
square	82 x 82 mm	35 mm	3000 K	ø 68 mm	ALU54471WW	ALU54475WW



TALU COMPACT

dim to warm



ALU57355DTWOK

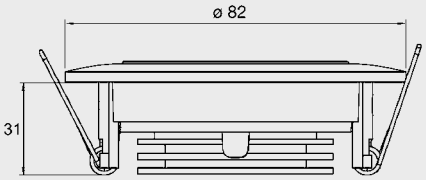
TALU LED-recessed downlight - Dim To Warm (DTW)

NEW

7W SHARP DTW COB LED, movable
CRI80, with coverglass, round

Compact LED high-powered recessed downlight with only 40 mm installation depth

- for indoor use
- Diecast aluminum, glass reflector, protective glass
- IP24
- Light colour: 2800K until 2000K
  (in dimming process the light colour will turn warmer)
- Light flux: 520 Lumen
- Beam angle 40°
- CRI 80
- Input current: 350mA
- Lifespan L70: ≥ 39,000 hours
- **Not including constant current converter (see below).**



series connection

Depth 40 mm

Energy efficiency class A+

ORDERING INFORMATION

			 white	 black	 gold	 chrome	 brushed iron	 old brass	 chrom matt
converter	Light colour		white	black	gold	chrome	brushed iron	old brass	chrom matt
ohne*	2800-2000 K	ø 68 mm	ALU57351DTWOK	ALU57352DTWOK	ALU57353DTWOK	ALU57354DTWOK	ALU57355DTWOK	ALU57356DTWOK	ALU57359DTWOK

*** Not including constant current converter. Please order separate dimmable converter.**

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



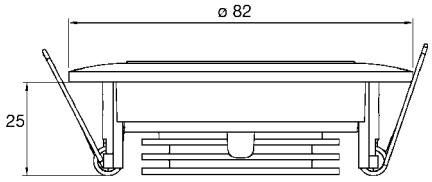
TALU COMPACT

Foto: alexandre zveiger@fotolia.com

TALU LED recessed downlight
8 Watt EPISTAR COB LED, movable
CRI 80, circular

Compact LED high-powered recessed downlight with only 35mm installation depth

- for indoor use
- Diecast aluminum, glass reflector
- Light colour: WW 3000 K (± 100 K) warm white
  Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Light flux: 800 Lumen
- Beam angle 35°
- CRI 80
- Input current: 350 mA
- Lifespan L70: ≥ 33,000 hours
- Variations: without converter, with converter and with dimmable phase alignment converter



Depth 35 mm

series connection



ALU57379



ALU57371

Energy efficiency class A+

ORDERING INFORMATION

			 white	 black	 gold	 chrome	 brushed iron	 old brass	 chrome matt
converter	Light colour		white	black	gold	chrome	brushed iron	old brass	chrome matt
without*	3000 K	ø 68 mm	ALU57371WWOK	ALU57372WWOK	ALU57373WWOK	ALU57374WWOK	ALU57375WWOK	ALU57376WWOK	ALU57379WWOK
without*	2700 K	ø 68 mm	ALU57371UWWOK	-	-	ALU57374UWWOK	ALU57375UWWOK	-	ALU57379UWWOK
with	2700 K	ø 68 mm	ALU57371UWW	-	-	ALU57374UWW	ALU57375UWW	-	-
dimmable	3000 K	ø 68 mm	ALU57371WWD	ALU57372WWD	ALU57373WWD	ALU57374WWD	ALU57375WWD	ALU57376WWD	ALU57379WWD
dimmable	2700 K	ø 68 mm	ALU57371UWWD	-	-	ALU57374UWWD	ALU57375UWWD	-	ALU57379UWWD
Spacer vapour barrier Depth 40mm									54999

*** You can find matching converters on page 366.**



TALU COMPACT

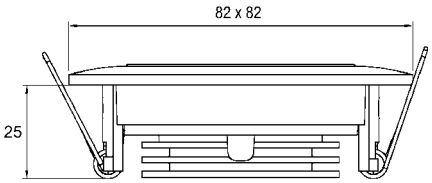


ALU53475

TALU LED recessed downlight
8 Watt EPISTAR COB LED, movable
CRI 80, square

Compact LED high-powered recessed downlight with only 35mm installation depth

- for indoor use
- Diecast aluminum, glass reflector
- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Light flux: 800 Lumen
- Beam angle 35°
- CRI 80
- Input current: 350mA
- Lifespan L70: ≥ 33,000 hours
- Variations: without converter, with converter and with dimmable phase alignment converter



Depth 35 mm

series connection

Energy efficiency class A+

ORDERING INFORMATION

						
converter	Light colour		white	chrome	brushed iron	chrome matt
without	2700 K	ø 68 mm	ALU53471UWWOK	ALU53474UWWOK	ALU53475UWWOK	ALU53479UWWOK
with	2700 K	ø 68 mm	ALU53471UWWOK	ALU53474UWW	ALU553475UWW	ALU53479UWW
dimmable	2700 K	ø 68 mm	ALU53471UWWD	ALU53474UWWD	ALU53475UWWD	ALU53479UWWD
Spacer vapour barrier Depth 40mm						54999

*** You can find matching converters on page 366.**



TALU COMPACT

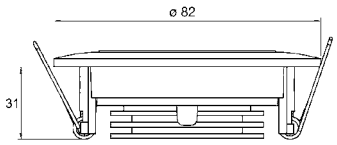


ALU57355

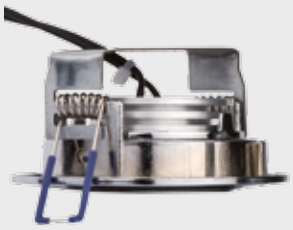
TALU LED recessed downlight
8 Watt EPISTAR COB LED, movable
CRI 90, with protective glass, circular

Compact LED high-powered recessed downlight with only 40 mm installation depth

- for indoor use
- Diecast aluminum, glass reflector, protective glass
- Light colour: NW 4000 K (± 100 K) neutral white
  Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Light flux: 767 Lumen
- Beam angle 35°
- CRI 90
- Input current: 350mA
- Lifespan L70: ≥ 33,000 hours
- Variations: without converter and with dimmable phase alignment converter



54999



Depth 40 mm

series connection

Energy efficiency class A+

ORDERING INFORMATION

converter	Light colour		white	black	gold	chrome	brushed iron	old brass	chrome matt
without*	4000 K	ø 68 mm	ALU57351NWOK	-	-	-	ALU57355NWOK	-	-
without*	2700 K	ø 68 mm	ALU57351UWWOK	ALU57352UWWOK	ALU57353UWWOK	ALU57354UWWOK	ALU57355UWWOK	ALU57356UWWOK	ALU57359UWWOK
dimmable	4000 K	ø 68 mm	ALU57351NWD	-	-	-	ALU57355NWD	-	-
dimmable	2700 K	ø 68 mm	ALU57351UWWD	ALU57352UWWD	ALU57353UWWD	ALU57354UWWD	ALU57355UWWD	ALU57356UWWD	ALU57359UWWD
Spacer vapour barrier Depth 40mm									54999

* You can find matching converters on page 366.



TALU COMPACT

Foto: RobertKneschke@fotolia.com

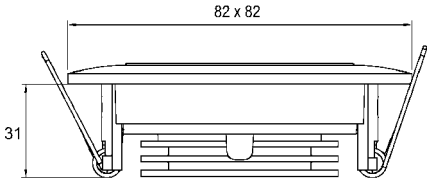
TALU 8 Watt EPISTAR COB LED, movable, CRI 90, with protective glass, square



ALU53395

Compact LED high-powered recessed downlight with only 40 mm installation depth

- for indoor use
- Diecast aluminum, glass reflector, protective glass
- Light colour: NW 4000 K (± 100 K) neutral white
  Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Light flux: 767 Lumen
- Beam angle 35°
- CRI 90
- Input current: 350mA
- Lifespan L70: ≥ 33,000 hours
- Variations: without converter and with dimmable phase alignment converter



Depth 40 mm

series connection

Energy efficiency class A+

ORDERING INFORMATION

converter	Light colour		white	black	gold	chrome	brushed iron	old brass	chrome matt
without*	4000 K	ø 68 mm	ALU53391NWOK	-	-	-	ALU53395NWOK	-	-
without*	2700 K	ø 68 mm	ALU53391UWWOK	ALU53392UWWOK	ALU53393UWWOK	ALU53394UWWOK	ALU53395UWWOK	ALU53396UWWOK	ALU53399UWWOK
dimmable	4000 K	ø 68 mm	ALU53391NWD	-	-	-	ALU53395NWD	-	-
dimmable	2700 K	ø 68 mm	ALU53391UWWD	ALU53392UWWD	ALU53393UWWD	ALU53394UWWD	ALU53395UWWD	ALU53396UWWD	ALU53399UWWD
Spacer vapour barrier Depth 45mm									54999

*** You can find matching converters on page 366.**



TALU COMPACT

for stretched ceilings

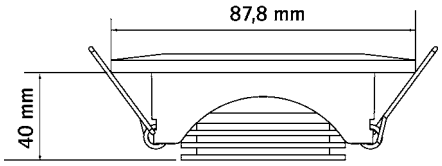


TALU LED recessed downlight
8 Watt EPISTAR COB LED, movable CRI 90. with protective glass, circular

Compact LED high-powered recessed downlight with only 40 mm installation depth for stretched ceilings

- for indoor use
- Diecast aluminum, glass reflector, protective glass
- Light colour: NW 2700 K (± 100 K) ultra-warm white
- Light flux: 767 Lumen
- Beam angle 35°
- CRI 90
- Input current: 350mA
- Lifespan L70: ≥ 33,000 hours

Not including constant current converter. Please order separately.



series connection

Depth 40 mm

Energy efficiency class A+

ORDERING INFORMATION

								
converter	Light colour		white	black	gold	chrome	brushed iron	chrome matt
ohne	2700 K	ø 68 mm	C57351UWW0K	C57352UWW0K	C57353UWW0K	C57354UWW0K	C57355UWW0K	C57359UWW0K

*** You can find matching converters on page 366.**



TALU POWER



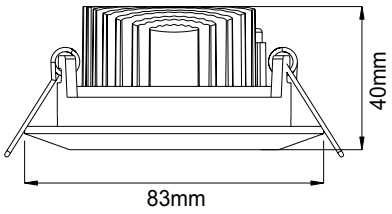
ALU58375

TALU LED recessed downlight

10 Watt Bridgelux COB LED, movable
CRI 80 and CRI 90

Compact LED high-powered recessed downlight with only 45 mm installation depth

- for indoor use
- Diecast aluminum, aluminum reflector
- Light colour: WW 3000 K (± 100 K) warm white
- Light flux CRI 80: 1180 Lumen, CRI 90: 860 Lumen
- Beam angle 40°
- Input current: 350mA
- Lifespan L70: ≥ 50,000 hours
- Variations: without converter, with converter and with dimmable phase cut converter



Depth 45 mm

CRI 80: Energy efficiency class A++

CRI 90: Energy efficiency class A+

ORDERING INFORMATION

converter	CRI		white	black	gold	chrome	brushed iron	old brass	chrome matt
without*	80	ø 68 mm	ALU58371WWOK	ALU58372WWOK	ALU58373WWOK	ALU58374WWOK	ALU58375WWOK	ALU58376WWOK	ALU58379WWOK
with	80	ø 68 mm	ALU58371WW	ALU58372WW	ALU58373WW	ALU58374WW	ALU58375WW	ALU58376WW	ALU58379WW
dimmable	80	ø 68 mm	ALU58371WWD	ALU58372WWD	ALU58373WWD	ALU58374WWD	ALU58375WWD	ALU58376WWD	-
without*	90	ø 68 mm	ALU58271WWOK	-	-	-	ALU58275WWOK	-	-
with	90	ø 68 mm	ALU58271WW	-	-	-	ALU58275WW	-	-
dimmable	90	ø 68 mm	ALU58271WWD	-	-	-	ALU58275WWD	-	-

*** You can find matching converters on page 19 or 366.**

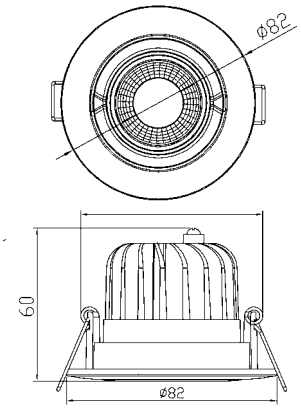


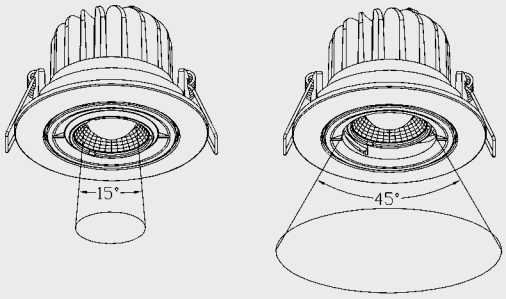
Diecast aluminum focusable



Focusable recessed downlight diecast aluminum, integrated 6.9 W EPISTAR COB LED, movable

- Movable and focusable LED high performance recessed downlight for indoor use
- Diecast aluminum
- Light colour: NW 4000 K (± 100 K) neutral white
- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Power: 6.9W
- Light flux: 570 Lumen (2700 K), 660 Lumen (4000 K)
- Beam angle focusable from 15 to 45°
- CRI 80
- Input current: 700 mA
- Lifespan L70: ≥ 42,000 hours
- Energy efficiency class: A+
- **Not including constant current converter. Please order separately. (see below)**





Energy efficiency class A+

series connection

ORDERING INFORMATION

		Outer diameter	Depth	 white	 black	 brushed iron
4000K (NW)	ø 68 mm	ø 82 mm	60 mm	ALU58481NWOK	ALU58482NWOK	ALU58485NWOK
2700K (UWW)	ø 68 mm	ø 82 mm	60 mm	ALU58481UWWOK	ALU58482UWWOK	ALU58485UWWOK

Not including constant current converter. Please order separate converter.

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



Foto: slavun@fotolia.com



CALA

- Newest technology
  with CITIZEN COB LED Arrays
- High light quality
  Comfortably warm and bright LED light
  3000 Kelvin
- High manufacturing quality
  Housing in cast aluminum, reflector, front ring and cooling body in aluminum
- High light yield
  High quality aluminum 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 - 6W	CALA - 10W	CALA - 14W	CALA - 25W	CALA - 41W
					
1- sand white	42061	42101	42141	42251	42411
					
7 - sand grey	42067	42107	42147	42257	42417
					
9 - sand silver	42069	42109	42149	42259	42419



CALA - 6W

6 Watt - CITIZEN COB LED Arrays
3000K, IP43

- for indoor use
- Housing in cast aluminum, reflector, front ring and cooling body in aluminum
- Clear protective glass, IP43
- Lifespan L70: ≥ 60,000 hours
- CRI 80



42067



42069

Energy efficiency class A+

series connection

ORDERING INFORMATION

Colour Outer ring	Input Current	Forwards voltage	Beam angle	Light flux Lumen	Outer diameter		Depth	Article no.
Sand white	600	10.2V	36°	475	78 mm	65 mm	83 mm	42061
Sand grey	600	10.2V	36°	475	78 mm	65 mm	83 mm	42067
Sand silver	600	10.2V	36°	475	78 mm	65 mm	83 mm	42069
Matt glass								42060

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
converter	90~295V AC	600mA	3-11V	1.8-6.6	57 x 40.8 x 24	-20~+40°C	85950
Dimmable phase alignment	90~295V AC	600mA	10-18V	6-10.8	66 x 27	-20~+50°C	85955
Dimmable DALI	100~240V AC	600 mA	3-48	28	210 x 50 x 32	-20~+50°C	80790

CALA RECESSED DOWNLIGHT, COB



CALA - 10W

10 Watt - CITIZEN COB LED Arrays
3000K, IP43

- for indoor use
- Housing in cast aluminum, reflector, front ring and cooling body in aluminum
- Clear protective glass, IP43
- Lifespan L70: ≥ 60,000 hours
- CRI 80


42101


42109

series connection

Energy efficiency class A+

ORDERING INFORMATION

Colour Outer ring	Input Current	Forwards voltage	Beam angle	Light flux Lumen	Outer diameter		Depth	Article no.
Sand white	250	40,9V	36°	859	98 mm	81 mm	90 mm	42101
Sand grey	250	40,9V	36°	859	98 mm	81 mm	90 mm	42107
Sand silver	250	40,9V	36°	859	98 mm	81 mm	90 mm	42109
Matt glass								42100

Not including constant current converter. Please order separate converter or dimmable converter.

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



CALA - 14W

14 Watt - CITIZEN COB LED Arrays
3000K, IP43

- for indoor use
- Housing in cast aluminum, reflector, front ring and cooling body in aluminum
- Clear protective glass, IP43
- Lifespan L70: ≥ 60,000 hours
- CRI 80

42141



42149



series connection

Energy efficiency class A

ORDERING INFORMATION

Colour Outer ring	Input Current	Forwards voltage	Beam angle	Light flux Lumen	Outer diameter		Depth	Article no.
Sand white	350	40,9V	36°	1176	116 mm	105 mm	110 mm	42141
Sand grey	350	40,9V	36°	1176	116 mm	105 mm	110 mm	42147
Sand silver	350	40,9V	36°	1176	116 mm	105 mm	110 mm	42149
Matt glass								42140

Not including constant current converter. Please order separate converter or dimmable converter.

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

CALA RECESSED DOWNLIGHT, COB



CALA - 25W

25 Watt - CITIZEN COB LED Arrays
3000K + 4000K, IP43

- for indoor use
- Housing in cast aluminum, reflector, front ring and cooling body in aluminum
- Clear protective glass, IP43
- Lifespan L70: ≥ 60,000 hours
- CRI 80

42257



42259



series connection

Energy efficiency class A

ORDERING INFORMATION

	Colour Outer ring		Input Current	Forwards voltage	Beam angle	Light flux Lumen	Outer diameter		Depth	Article no.
	Sand white	3000K	600	40.9V	36°	2050	142 mm	125 mm	151 mm	42251
NEW	Sand white	4000K	600	40.9V	36°	2345	142 mm	125 mm	151 mm	46251
	Sand grey	3000K	600	40.9V	36°	2050	142 mm	125 mm	151 mm	42257
	Sand silver	3000K	600	40.9V	36°	2050	142 mm	125 mm	151 mm	42259
	Matt glass									42250

Not including constant current converter. Please order separate converter or dimmable converter.

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



CALA - 41W

41 Watt - CITIZEN COB LED Arrays
3000K, IP43

- for indoor use
- Housing in cast aluminum, reflector, front ring and cooling body in aluminum
- Clear protective glass, IP43
- Lifespan L70: ≥ 60,000 hours
- CRI 80


42411


42417

series connection

Energy efficiency class A

ORDERING INFORMATION

Colour Outer ring	Input Current	Forwards voltage	Beam angle	Light flux Lumen	Outer diameter		Depth	Article no.
Sand white	1000	40.9V	60°	3023	210 mm	185 mm	185 mm	42411
Sand grey	1000	40.9V	60°	3023	210 mm	185 mm	185 mm	42417
Sand silver	1000	40.9V	60°	3023	210 mm	185 mm	185 mm	42419
Matt glass								42410

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	90~305V AC	1000mA	34-48V	34-48	163x45x33	-30~+50°C	85990
Dimmable DALI	100~240V AC	1000mA	3-48 V	48	210 x 50 x 32	-20~+50°C	80790





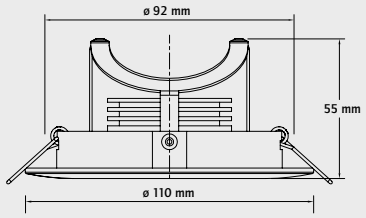
ALU57685

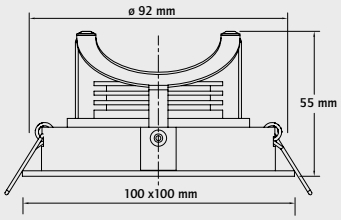


ALU57675

RINCA - LED-recessed downlight kardanic 8W rotating and movable

- 8W Epistar COB LED
- LED high-powered recessed downlight with reaward cardanic mounting
- for indoor use
- housing - Diecast aluminum, Glass reflector, protective glass, reaward cardanic mounting - steel
- Light colour: 2700K ± 100K, warmwhite
- Light flux: 649 Lumen
- 40° movable- and 360° rotating
- CRI 90
- Input current: 350mA
- Lifespan L70: ≥ 33,000 hours
- **not including LED converter constant current 350 mA. Please order separatly.**





Energy efficiency class A+

ORDERING INFORMATION

Type	Outer diameter	Depth		White	Iron brushed	Chrome matt
round	ø 110 mm	55 mm	ø 92 mm	ALU57681UWWOK	ALU57685UWWOK	ALU57689UWWOK
square	100 x 100 mm	55 mm	ø 92 mm	ALU57671UWWOK	ALU57675UWWOK	ALU57679UWWOK

Not including constant current converter. Please order separate.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	100~240 V AC	350 mA	3-36 V	1-8	69,5x35x23	-10~+40°C	85442
Dimmable phase alignment	230 V AC	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable phase alignment	230 V AC	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	80799

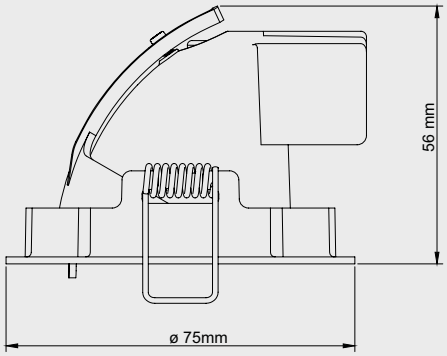


RINCA LED reccesed downlight 6,9W round, extendible

NEW

- for indoor use
- housing - Diecast aluminum, protective glass (plastic)
- Lightcolor: ca. 3000K
- Lightflux: 709 Lumen
- input current: 350mA
- CRI 90
- extendible- and 360° rotating
- Lifespan L70: ≥ 30,000 hours
- **not includingLED converter constant current 350 mA. Please order separatly.**

LED55791WWOK



Energy efficiency class A++

series connection

RoHS

REACH

ORDERING INFORMATION

Type	Outer diameter	Depth			
				White	Iron brushed
LED5579	68 mm	56 mm	ø 68 mm	LED55791WWOK	LED55795WWOK

Not including constant current converter. Please order separate.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	100~240 V AC	350 mA	3-36 V	1-8	69,5x35x23	-10~+40°C	85442
Dimmable phase alignment	230 V AC	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable phase alignment	230 V AC	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	80799

MELIMAR RECESSED DOWNLIGHT, COB



Foto: Robert Kneschke@fotolia.com

- for indoor use
- Solid aluminum recessed downlight
- Movable by 45° and rotating by 360°
- Beam angle: 35°
- circular drillhole
- Lifespan L70: ≥ 60,000 hours
- **exclusive LED converter constant current 600 mA**

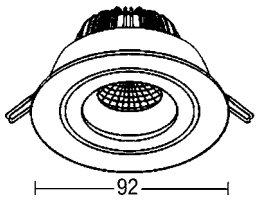


LED57540

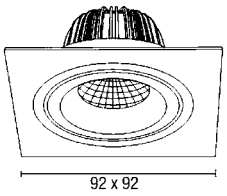


LED57541

MELIMAR 6 W Citizen COB LED array
circular - movable



MELIMAR 6 W Citizen COB LED array
square - movable



series connection

Energy efficiency class A+

ORDERING INFORMATION

	Colour code	LED colour	Input Current	Forwards voltage	Light flux Lumen		Depth	Article no.
circular	brushed aluminum	Warm white - 3000 K	600 mA	10.2V	475	80 mm	80 mm	LED57540WWOK
square	brushed aluminum	Warm white - 3000 K	600 mA	10.2V	475	80 mm	80 mm	LED57541WWOK

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperatur range	Article no.
Converter	90~295V AC	600mA	3-11V	1.8-6.6	57 x 40.8 x 24	-20~+40°C	85950
Dimmable phase alignment	90~295V AC	600mA	10-18V	6-10.8	66 x 27	-20~+50°C	85955
Dimmable DALI	100~240V AC	600 mA	3-48 V	28	210 x 50 x 32	-20~+50°C	80790



LED57530

MELIMAR 3,7 W Sharp COB, circular, movable

Compact LED-recessed downlight with only 45 mm Depth

- for indoor use
- Integrated Power LED 3,7 W
- Light colour: WW 3000 K (± 100 K) warmwhite
- Housing: Aluminum diecast, Aluminum reflector with cover glass
- Input current: 350mA
- Light flux: 210 Lumen
- CRI 80
- Lifespan L70: ≥ 30,000 hours
- Beam angle 27°
- **not including LED converter constant current 350mA. Please order separately.**



LED57535

Energy efficiency class A+

ORDERING INFORMATION

	Colour code	LED colour	Light flux Lumen	Outer diameter mm		Depth	Article no.
circular	brushed aluminum	Warm white - 3000 K	210	70	60 mm	45 mm	LED57530WWOK
square	brushed aluminum	Warm white - 3000 K	210	70 x 70	60 mm	45 mm	LED57535WWOK

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	100~240V AC	350mA	3-36V	1-8	69,5x35x23	-10~+40°C	85442
Dimmable DALI	100~240V AC	350 mA	3-48 V	16	210 x 50 x 32	-20~+50°C	80790





MIRIEL LED recessed downlight
EPISTAR COB LED

- Decorative recessed downlight with satinised glass
- for indoor use
- Heatsink in aluminum, front panel in chromed steel, satinised decorative glass
- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Power: 5W
- Light flux: 500 Lumen
- CRI 80
- Input current: 350mA
- Lifespan L70: ≥ 30,000 hours
- Energy efficiency class: A+
- **not including LED converter constant current 350mA. Please order separately.**

series connection

Energy efficiency class A+

ORDERING INFORMATION

Type	Power	Outer diameter mm	Height mm	Installation dia. mm	Installation depth	LED Colour	Light flux Lumen	Article no.
MIRIEL	5W	90	110	68	55	2700K	500	LED57970UWW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	100-240 V AC	350 mA	10-54 V	3-16	141 x 45 x 26	-20~+60°C	85443
Dimmable phase alignment*	230 VA	350 mA	22,8-30 V	8-10,5	ø 66 x 27	-20~+50°C	85446
Dimmbar 1-10 V	24 V DC	350 mA	-	4 x 8.4 W max.	166 x 54 x 23	-20~+50°C	80475
Dimmbar KNX	24 V DC	350 mA	-	4 x 8.4 W max.	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48 V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 2



INDIS LED recessed downlight
EPISTAR COB LED

- Decorative recessed downlight with satinised glass
- for indoor use
- Heatsink in aluminum, front panel in chromed steel, satinised decorative glass
- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Power: 5W
- Light flux: 500 Lumen
- CRI 80
- Input current: 350mA
- Lifespan L70: ≥ 30,000 hours
- Energy efficiency class: A+
- **not including LED converter constant current 350mA. Please order separately.**



Energy efficiency class A+

ORDERING INFORMATION

Type	Power	Outer diameter mm	Height mm	Hole size mm	Installation depth	LED Colour	Light flux Lumen	Article no.
INDIS	5W	90x90	75	68	55	2700K	500	LED57971UWW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	100-240 V AC	350 mA	10-54 V	3-16	141 x 45 x 26	-20~+60°C	85443
Dimmable phase alignment*	230 VA	350 mA	22,8-30 V	8-10,5	ø 66 x 27	-20~+50°C	85446
Dimmbar 1-10 V	24 V DC	350 mA	-	4 x 8.4 W max.	166 x 54 x 23	-20~+50°C	80475
Dimmbar KNX	24 V DC	350 mA	-	4 x 8.4 W max.	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48 V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 2



EARWEN LED recessed downlight
LED57972UWW EPISTAR COB LED

- Decorative recessed downlight with satinised glass
- for indoor use
- Heatsink in aluminum, front panel in matt aluminum, white duplex glass
- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Power: 5W
- Light flux: 500 Lumen
- CRI 80
- Input current: 350mA
- Lifespan L70: ≥ 30,000 hours
- Energy efficiency class: A+
- **not including LED converter constant current 350 mA. Please order separately.**



Energy efficiency class A+

ORDERING INFORMATION

Type	Power	Outer diameter mm	Height mm	Hole size mm	Installation depth mm	LED Colour	Light flux Lumen	Article no.
EARWEN	5W	90	80	68	55	2700K	500	LED57972UWW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	100-240 V AC	350 mA	10-54 V	3-16	141 x 45 x 26	-20~+60°C	85443
Dimmable phase alignment*	230 VA	350 mA	22,8-30 V	8-10,5	ø 66 x 27	-20~+50°C	85446
Dimmbar 1-10 V	24 V DC	350 mA	-	4 x 8.4 W max.	166 x 54 x 23	-20~+50°C	80475
Dimmbar KNX	24 V DC	350 mA	-	4 x 8.4 W max.	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48 V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 2.



IDRIL LED recessed downlight
LED57972UWW EPISTAR COB LED

- Decorative recessed downlight with satinised glass
- for indoor use
- Heatsink in aluminum, front panel in matt aluminum, satinised duplex glass
- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Power: 8W
- Light flux: 800 Lumen
- CRI 80
- Input current: 700 mA
- Lifespan L70: ≥ 30,000 hours
- Energy efficiency class: A+
- **not including LED converter constant current 700 mA. Please order separately.**



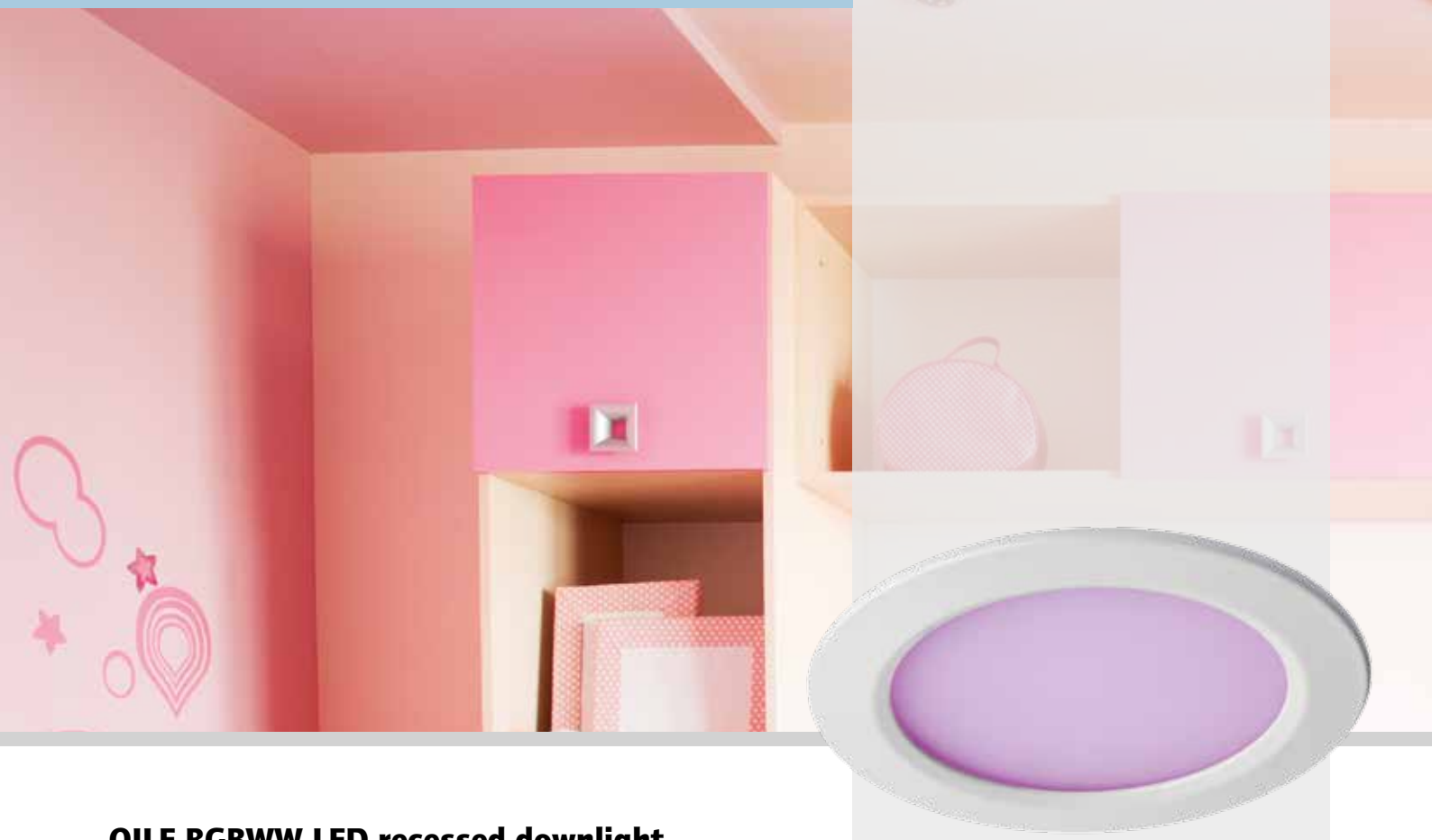
Energy efficiency class A+

ORDERING INFORMATION

Type	Power	Outer diameter mm	Height mm	Hole size mm	Installation depth mm	LED Colour	Light flux Lumen	Article no.
IDRIL	8W	90	98	68	55	2700K	800	LED57973UWW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
converter	100-240 V AC	700 mA	3-34 V	3-18	141 x 45 x 26	-20~+40°C	85430
Dimmable phase cut	230 VA	700 mA	12-18 V	6-12	ø 66 x 27	-20~+50°C	85434
Dimmable DALI	100~240V AC	700 mA	3-48 V	33	210 x 50 x 32	-20~+50°C	80790



QILE RGBWW LED recessed downlight
23,55W SMD LED,
with protective glass, round

RGBW LED recessed downlight with matt lighting surface

- for indoor use
- Diecast aluminum, 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)
- Light flux: 966 Lumen
- Beam angle 110°
- Input current: 350mA
- Lifespan L70: ≥ 33,000 hours
- **without power supply**

series connection

Energy efficiency class A+

ORDERING INFORMATION

Converter	Colour	Outer diameter mm	Hole size mm	Installation depth mm	LED Colour	Light flux Lumen	Article no.
ohne	white	121	105	95	3000K + RGB	966	45101
ohne	Iron brushed	121	105	95	3000K + RGB	966	45105
ohne	chrome matt	121	105	95	3000K + RGB	966	45109

Not including power supply 24V. Please order separate.

Type	Input DC	Output DC	Power Watt	Size mm	Temperature range	Article no.
DMX Aktor	24V	4x350mA	8,4W(24V)	46x178x18	-20~+50°C	80290
KNX Driver	24V	4x350mA	33,6W(24V)	46x178x18	-20~+50°C	80110
DALI Aktor	24V	4x350mA	8,4W(24V)	46x178x18	-20~+50°C	80730

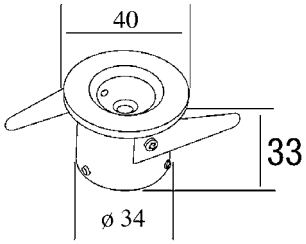

ANGEL



MELIMAR - Solid aluminum



MELIMAR - light point



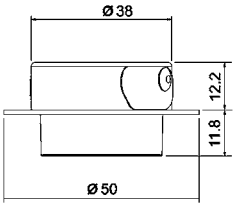
- for indoor use
- Solid aluminum recessed downlight
- Bulb: Integrated power LED 1x3,2 W
- Lifespan L70: ≥ 42,000 hours
- Input current: 350 mA
- **not including LED converter constant current 350 mA. Please order separately.**



LED56980

Energy efficiency class A++

MELIMAR - Minitube light point



- for indoor use
- Diecast aluminum fitted downlight with acrylic decorative glass element
- Bulb: integrated power LED 1x1 W
- Lifespan L70: ≥ 30,000 hours
- Input current: 350 mA
- **not including LED converter constant current 350 mA. Please order separately.**



LED57989

Energy efficiency class A++

series connection

ORDERING INFORMATION

	Colour code	LED colour	Light flux Lumen		Depth	Article no.
	Aluminum	White ca. 3000K	148	ø 34 mm	23 mm	LED56990WW
NEW	Aluminum	White ca. 3000K	325	ø 34 mm	23 mm	LED56980WW
	Minitube - chrome matt	White ca. 4100K	70	ø 40 mm	13 mm	LED57989W
	Minitube - chrome matt	Warm white ca. 3100K	50	ø 40 mm	13 mm	LED57989WW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter for LED57989	100~240 V AC	350 mA	3-8 V	1-2	42 x 29 x 21,5	-20~+40°C	85439
Converter for LED56980	100~240 V AC	350 mA	7-14 V	2-4	42 x 29 x 21,5	-20~+40°C	85440
Dimmable phase alignment*	230 V AC	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable KNX	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48V	33	210 x 50 x 32	-20~+50°C	80790

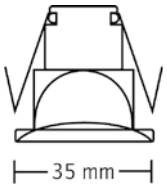
*Connection of at least 6 no. LED57989 or 2 no. LED56990



Diecast aluminum

LED light points, warm white

- for indoor use
- Integrated power LED 1x1W Cree XR-E
- Light colour: 2800K +-150K
- Housing: diecast aluminum, heatsink: aluminum
- Input current: 350 mA
- Light flux 68 lumen
- Beam angle: 40°
- Lifespan L70: ≥ 50,000 hours
- **not including LED converter constant current 350 mA. Please order separately.**





LED55981

series connection

Energy efficiency class A++

ORDERING INFORMATION

	Depth		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
LED5598	38 mm	ø 26 mm	LED55981	-	-	LED55984	LED55985	-	-	-	LED55989

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter for LED57990	100~240 V AC	350 mA	3-8 V	1-2	42 x 29 x 21.5	-20~+40°C	85439
Dimmable phase alignment*	230 VA	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable 1-10 V	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80475
Dimmable KNX	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 6



LED light point square

- for indoor use
- Flush-mounted LED light point square
- Integrated power LED 1x1W or 2x1W Cree
- Light colour: 3000K +- 150K
- Housing: powder-coated sheet steel
  Heatsink: aluminum, reflector: anodised plastic
- Input current: 350mA
- Lifespan L70: ≥ 50,000 hours
- **not including LED ballast constant current 350mA. Please order separately.**

LED57986



LED57987

series connection

Energy efficiency class A++

ORDERING INFORMATION

Type	Housing colour	LED light colour K	ø Front panel mm	Drillhole mm	Installation depth mm	Light flux Lumen	Beam angle	Current mA	Power Watt	Article no..
1-filament	white	3000	80x80	43x43	77	114	30°	350	1W	LED57986WW
2-filament	withe	3000	160x80	50x150	77	228	30°	350	2W	LED57987WW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter for LED57990	100~240 V AC	350 mA	3-8 V	1-2	42 x 29 x 21.5	-20~+40°C	85439
Dimmable phase alignment*	230 VA	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable KNX	24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 6





LED crystal light points

LED crystal light points

- for indoor use
- Integrated power LED 1x1W Cree XR-E
- Light colour: 5600K ±150K
- Housing and heatsink: diecast aluminum, front panel chromed and decorative element: glass
- Input current: 350mA
- Lifespan L70: ≥ 50,000 hours
- **not including LED ballast constant current 350mA. Please order separately.**



LED57980W



LED57982W

series connection

Energy efficiency class A+

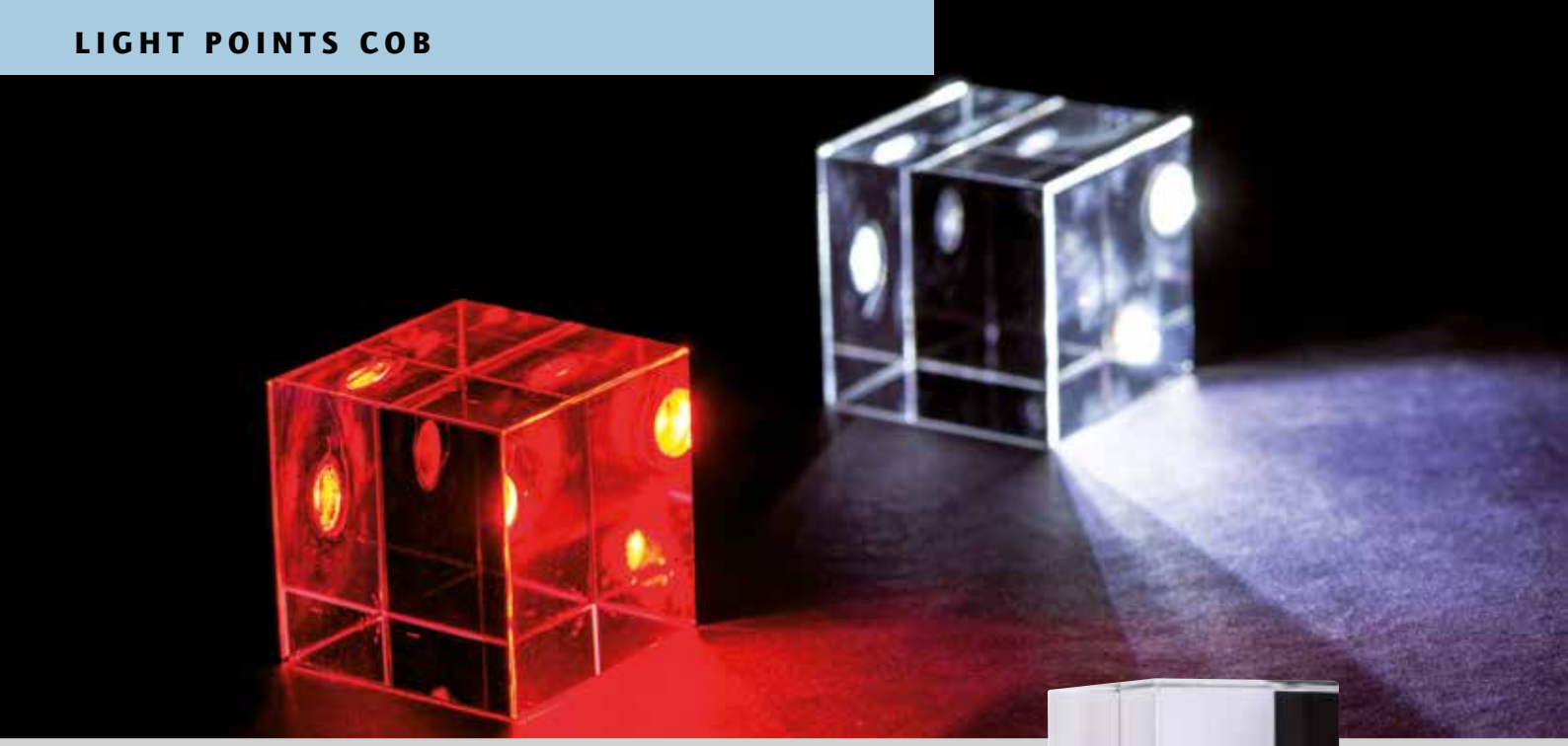
ORDERING INFORMATION

Type		Housing colour	LED light colour K	ø mm	Drillhole mm	Installation depth mm	Light flux Lumen	Beam angle	Current mA	Power Watt	Article no.
LED57980W	ø 23 mm	Alu/chrome	5600	30	23	70	40	15°	350	1W	LED57980W
LED57982W	ø 23 mm	Alu/chrome	5600	30	23	70	30	15°	350	1W	LED57982W

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter for LED57990	100~240 V AC	350 mA	3-8 V	1-2	42 x 29 x 21.5	-20~+40°C	85439
Dimmable phase alignment*	230 VA	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable KNX	24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 6



LED crystal light point RGB

- for indoor use
- LED 1x3W EDISON RGB
- Light colour: RGB
- Housing and heatsink: diecast aluminum, decorative element: glass
- Input current: 350 mA
- Lifespan L70: ≥ 30,000 hours
- **not including LED converter constant current 350 mA + controller. Please order separately.**

LED crystal light point white

- for indoor use
- LED 1x3W OSRAM
- Light colour: approx. 5800K ±200K
- Housing and heatsink: diecast aluminum, decorative element: glass
- Input current: 700 mA
- Lifespan L70: ≥ 50,000 hours
- **not including LED converter constant current 700 mA. Please order separately.**

series connection



RGB: Energy efficiency class A+

white: Energy efficiency class A++

ORDERING INFORMATION

Type		Housing colour	LED light colour K	ø mm	Drillhole mm	Installation depth mm	Light flux Lumen	Beam angle	Current mA	Power Watt	Art. no.
LED57983RGB	Ø 23 mm	Alu	RGB	30	23	70	35/60/12	15°	350	3W	LED57983RGB
LED57983W	Ø 23 mm	Alu	ca. 5800K	30	23	70	200	15°	700	3W	LED57983W

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
RGB radio controller for LED57983RGB	24 V DC	350 mA		1-7 W (3 channels)	165 x 47 x 35	-20~+50°C	89440
Converter for LED57983W	100-240 V AC	700 mA	3-5 V	3	42 x 29 x 21.5	-10~+40°C	85441
Dimmable phase alignment*	230 VA	700 mA	12-18 V	6-12	ø 66 x 27	-20~+50°C	85434
Dimmable DALI	100~240V AC	700 mA	3-48 V	33	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 3 no.



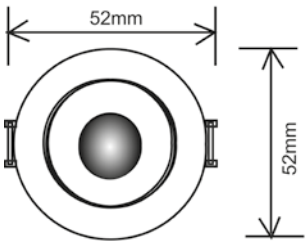
LED Light point, moveable

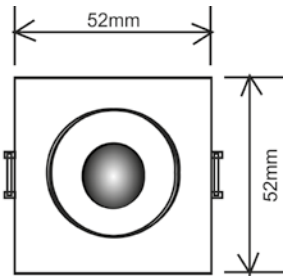
NEW

- for indoor use
- housing: diecast aluminum
- integrated power LED 1 x 1 W
- Lightcolor: 3000K ±150K
- Input current: 350 mA
- Beam angle: 20°
- Lifespan L70: ≥ 36,000 hours
- **not including LED converter constant current 350 mA. Please order separately.**









series connection

Energy efficiency class A++

ORDERING INFORMATION

Type	Housing colour		LED light color	Installation depth mm	Lightflux Lumen	Article no.
round	sandwhite	Ø 44 mm	warmwhite ca. 3000K	28	99	LED57861WW
square	sandwhite	Ø 44 mm	warmwhite ca. 3000K	28	99	LED57871WW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
converter	100-240V AC	350 mA	3-8 V	1-2	42 x 29 x 24	-10˜+40°C	85439



High protection class IP44

recessed downlight 6.5W Epistar COB LED rigid, with protective glass, IP44, round

- for indoor use, use in damp rooms
- Material: visible panel - diecast aluminum, housing - sheet steel (black), leaf springs
- Protection class IP 44 when fitted in enclosed ceilings.
- Light colour: 2700K ±100K, warm white
- Input current: 350 mA
- Light flux 463 lumen
- CRI 80
- Lifespan L70: ≥ 30,000 hours
- **not including LED converter constant current 350 mA. Please order separately.**



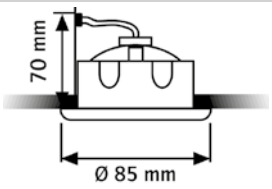
R57889

IP 44 series connection

Energy efficiency class A+

ORDERING INFORMATION

		white	chrome	brushed iron	chrome matt	
R5788	ø 72 mm	R57881UWWOK	R57884UWWOK	R57885UWWOK	R57889UWWOK	



Not including constant current converter. Please order separate converter or dimmable converter.

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

RECESSED DOWNLIGHT HIGH PROTECTION CLASS, COB

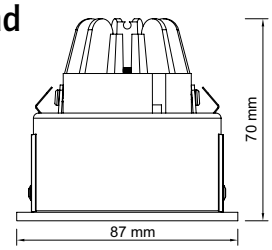


- for indoor use, use in damp rooms
- Material: visible panel - diecast aluminum, housing - sheet steel (black), leaf springs
- Protection class IP 44 when fitted in enclosed ceilings.
- Light colour: 2700K ±100K, warm white
- Input voltage: 350mA
- Light flux 416 lumens
- Beam angle: 30°
- CRI 80
- Lifespan L70: ≥ 30,000 hours
- **not including LED converter constant current 350 mA. Please order separately.**

High protection class IP44

NEW

LED-recessed downlight 6.5W Epistar COB LED fixed with cover glass, IP44, round

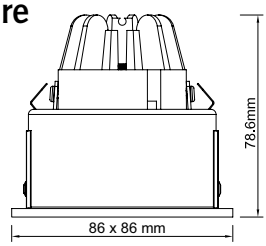




R57945UWWOK

High protection class IP44

LED-recessed downlight 6.5W Epistar Marke COB LED fixed with cover glass, IP44, square





R57911UWWOK

IP 44 series connection RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

				
	LED colour		white	brushed iron
spuare	2700 K	78 mm	R57911UWWOK	R57915UWWOK
round	2700 K	78 mm	R57941UWWOK	R57945UWWOK

Not including constant current converter. Please order separate converter or dimmable converter.

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



These frontrings must be ordered separately

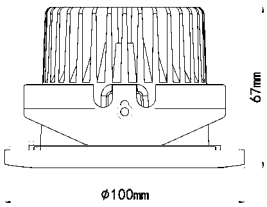
Ring	Colour code RAL	Material	Article no.
	red 3000	Alu. diecast	57050
	yellow 1018	Alu. diecast	57051
	blue 5010	Alu. diecast	57052
	green 6029	Alu. diecast	57053
	gold	Alu. diecast	57054
	SU316 HP	stainless St.	57055
	copper	copper	57056
	Chrome	Alu. diecast	57057
	brown 8011	Alu. diecast	57058
	Chrome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

CALINA COB recessed downlight Frontring changeable

13W Luminus COB LED, fixed, IP54, with coverglass, round

LED high-powered recessed downlight with changeable Frontring, IP54

- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Power: 13W
- Light flux: 1000 Lumen
- Beam angle 35°
- CRI 90
- Input current: 350mA
- Lifespan L70: ≥ 72,000 hours
- **not including LED converter constant current 350 mA. Please order separately.**



series connection

ORDERING INFORMATION

				
Outer Diameter	Depth		white	iron brush
100 mm	70 mm	ø 81 mm	R57891UWWOK	R57895UWWOK

Energy efficiency class A+

Not including constant current converter. Please order separate converter or dimmable converter.

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



Foto: interiorphoto@fotolia.com

CALINA Dim To Warm (DTW)
COB LED-Recessed downlight

NEW

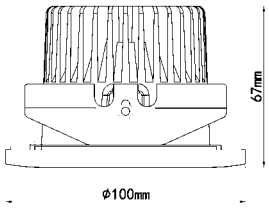
13W SHARP DTW COB LED, fixed, IP54
with cover glass, round



R57891DTWOK

LED high-powered recessed downlight with changeable Frontring, IP54

- Indoor use, suitable for humid environments
- Material: Diecast aluminum reflector, protective glass, steel springs
- Protection class IP54, when fitted in enclosed ceilings.
- Light colour: 3000K until 2000K (in dimming process the light colour will turn warmer)
- Input current: 350mA
- Light flux: 546 Lumen
- Beam angle 35°
- CRI 90
- Lifespan L70: ≥ 50,000 hours
- **not including LED converter constant current 350 mA. Please order separately.**



dim to warm

series connection RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION

					
Outer Diameter	Debth	LED Colour		white	brushed iron
100 mm	70 mm	3000-2000K	81 mm	R57891DTWOK	R57895DTWOK

Not including constant current converter. Please order separate converter.

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
230V AC	350mA	30-48V	10.5-16.8	plastic	85x54x32.5	±6%	>0.85	80%	40°C	70°C	-20~+70°C	85975
230V AC	600mA	30-42V	18-25.2	plastic	85x54x32.5	±6%	>0.85	83%	40°C	70°C	-20~+70°C	85985

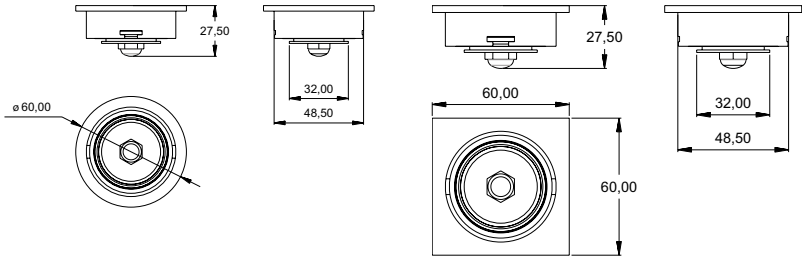






TULKA LED Light Point V4A, 1W, IP65 NEW

- LED 316 stainless steel recessed light point IP65 with xx installation depth
- for indoor and outdoor use
- V4A stainless steel
- Light colour: WW 3000 K (± 200 K)
- Light flux: 118 Lumen
- Beam angle: 40°
- Input current: 350mA
- Lifespan L70: ≥ 30,000 hours
- **not including LED ballast unit constant current 350 mA. Please order separately**



series connection

R57564HPWWOK



R57563HPWWOK

Energy efficiency class A++

ORDERING INFORMATION

					
	Light colour	Outer-ø	Depth		V4A-High Polish
round	ca. 3000K	60 mm	35 mm	50 mm	R57564HPWWOK
square	ca. 3000K	60 x 60 mm	35 mm	50 mm	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.

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter for LED57990	100~240 V AC	350 mA	3-8 V	1-2	42 x 29 x 21.5	-20~+40°C	85439
Dimmable phase alignment*	230 VA	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable 1-10 V	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80475
Dimmable KNX	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 6



High protection class, IP55



R5769V4AUWWOK



R5766V4AUWWOK

TULKA LED recessed downlight V4A, IP55
8W EPISTAR COB LED, UWW

- Compact LED 316 stainless steel recessed downlight IP55 with 55 mm installation depth
- for indoor and outdoor use
- V4A stainless steel, glass reflector, protective glass
- Light colour: UWW 2700 K (± 100 K) ultra-warm white
- Light flux: 660 Lumen
- Beam angle 35°
- CRI 80
- Input current: 350mA
- Lifespan L70: ≥ 33,000 hours
- **not including LED ballast unit constant current 350 mA. 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.

series connection

Energy efficiency class A+

ORDERING INFORMATION

							
Type	Light colour	Outer-ø	Depth		V4A-High Polish	V4A stainless steel	white
round	2700 K	82 mm	55 mm	ø 68 mm	R5769HPUWWOK	R5769V4AUWWOK	R57691UWWOK
square	2700 K	82 x 82 mm	55 mm	ø 68 mm	R5766HPUWWOK	R5766V4AUWWOK	R57661UWWOK

Not including constant current converter. Please order separate converter or dimmable converter.

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



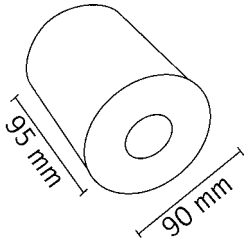
MELIMAR - Surface mounted downlight

- for indoor use
- diecast aluminum surface-mounted downlight
- Beam angle: 35°
- Lifespan L70: ≥ 36,000 hours
- Input voltage: 230 V
- including constant current converter.



Foto: 3darcastudio@fotolia.com

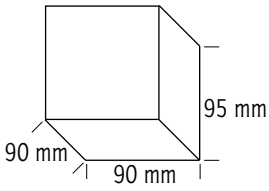
MELIMAR - surface-mounted downlight circular
6 W CITIZEN COB LED array, movable





LED57510

MELIMAR - surface-mounted downlight square
6 W CITIZEN COB LED Array, movable





LED57520

Energy efficiency class A+

ORDERING INFORMATION

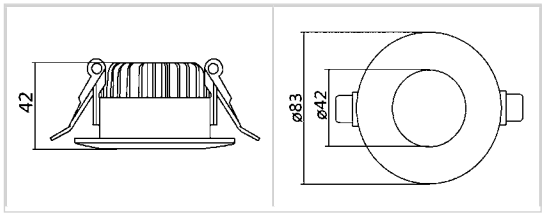
Type	Colour code	LED colour	Light flux Lumen	Art. no.
Surface-mounted downlight, circular	white	Warm white 3000K	475	LED57510WW
Surface-mounted downlight, square	white	Warm white 3000K	475	LED57520WW



LED furniture recessed downlight 4.2 W

- Integrated power SMD LED 4.2 W Bridgelux
- Indoor use. Also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms.
- Housing and heatsink diecast aluminum
- with 30 cm cable, tension-relieved and wire end ferrules
- Light colour 3000 K (± 150 K)
- Light flux: 260 Lumen
- Beam angle 30 °
- Input current: 700 mA
- Lifespan L70: ≥ 30,000 hours
- **Not including constant current converter. Please order separately.**

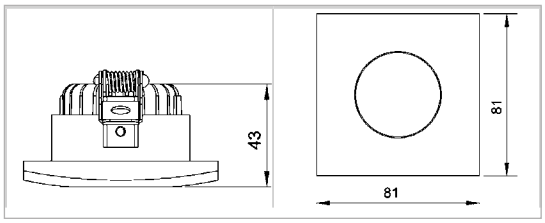
Furniture recessed downlight ROUND 4.2W
IP 54





LED55271

Furniture recessed downlights SQUARE 4.2W
IP 54





LED55285

Energy efficiency class A

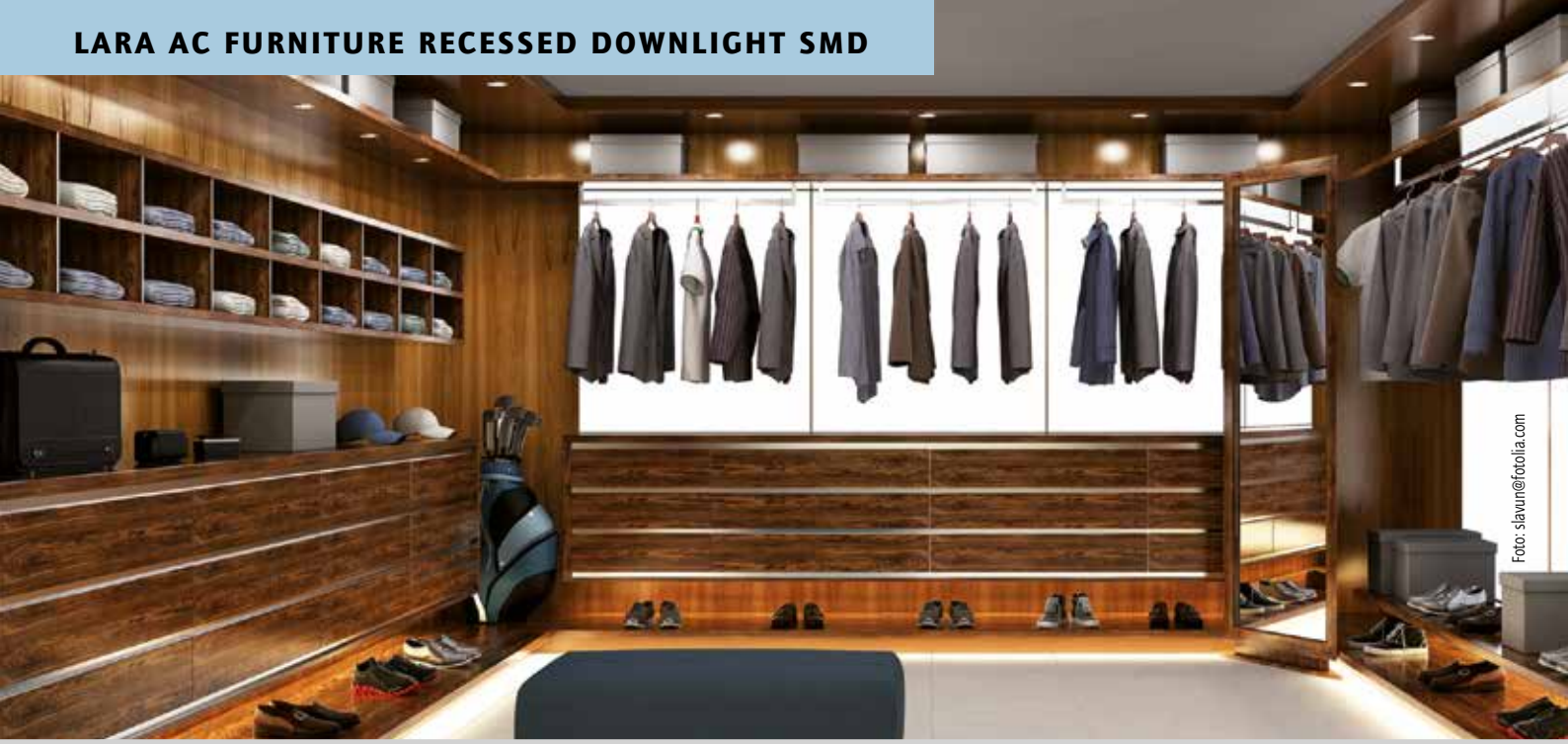
ORDERING INFORMATION

				
	Depth		white	brushed iron
circular	50 mm	ø 70 mm	LED55271WW	-
square	50 mm	ø 70 mm	LED55281WW	LED55285WW

Not including constant current converter. Please order separate converter or dimmable converter.

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

*Connection of at least 2 no.

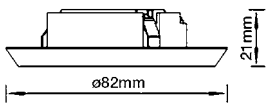


LARA AC LED recessed downlight
5W SMD LED, fixed, CRI85, with protective glass, round, IP44

- 230 V LED recessed downlight with frosted glass
- IP44
- for indoor use
- Diecast aluminum
- Light colour: 3000K
- Power: 5W
- Light flux: 330 Lumen
- Beam angle 35
- CRI 85
- Input: 230V
- Lifespan L70: ≥ 30,000 hours
- **Not dimmable**



LED55205WW



Energy efficiency class A+

ORDERING INFORMATION

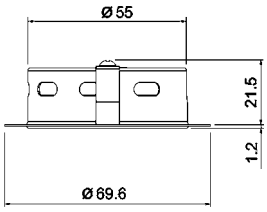
	Outer Diameter	Depth					
				white	black	brushed iron	chrome matt
LED5520	ø 82 mm	20 mm	ø 55 mm	LED55201WW	LED55202WW	LED55205WW	LED55209WW



LARA LED furniture recessed downlight, round



- Steel furniture recessed downlight
- 21 SMD LEDs, total power 2.8 W
- Light colour: warm white, approx. 3000 K,
- Input voltage 12 V DC
- Beam angle 120°
- incl. 2 m connection cable and TOP plug
- Light flux: 200 lumens
- Lifespan L70: ≥ 30,000 hours
- **not including LED ballast constant voltage 12V DC. Please order separately.**



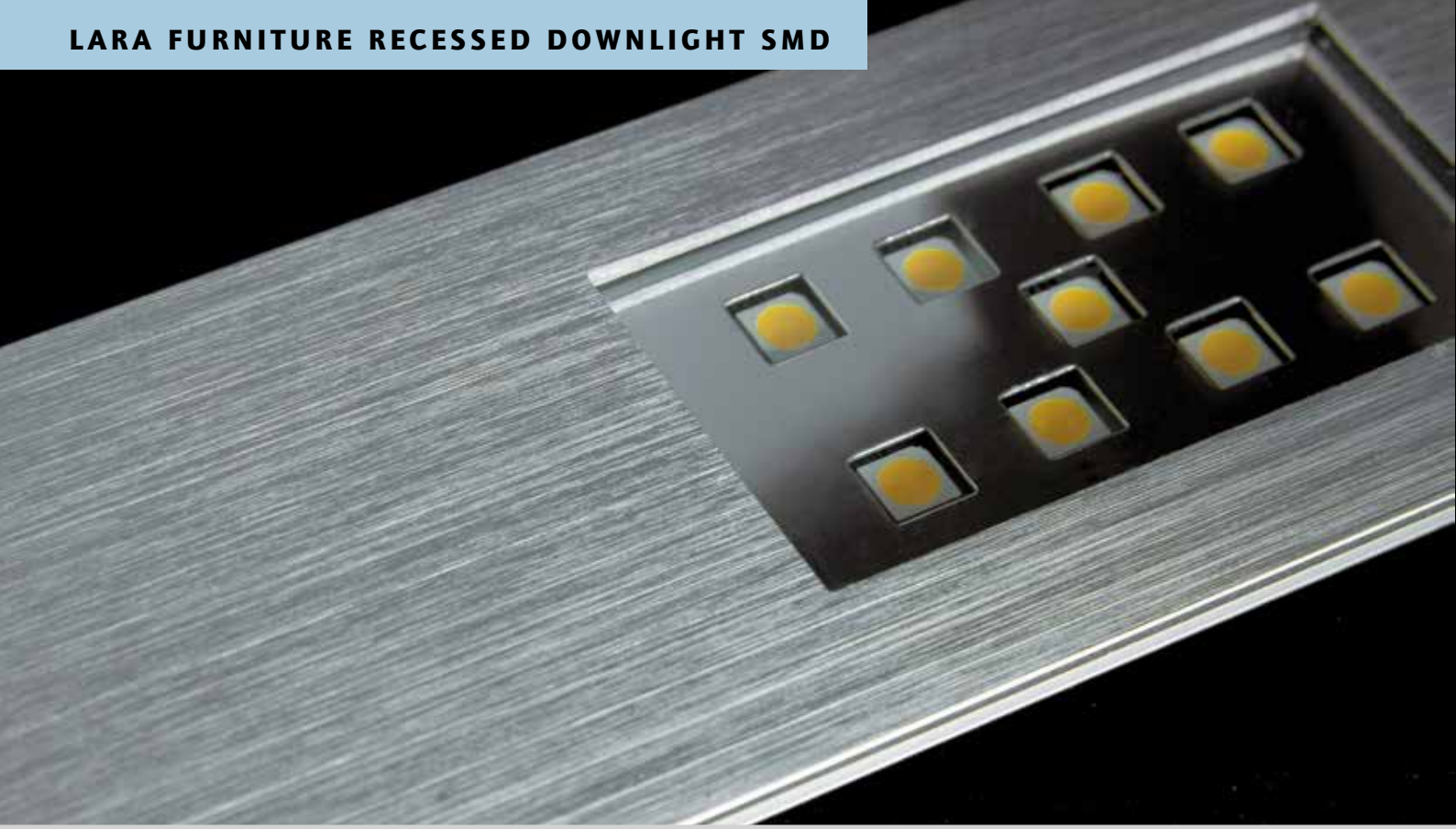
Energy efficiency class A+

ORDERING INFORMATION

	Outer Diameter	Depth					
				white	gold	chrome	brushed iron
LED5501	69.6 cm	21.5 mm	ø 60 mm	LED55011WW	LED55013WW	LED55014WW	LED55019WW

Accessories

Type	Art. 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

- Diecast aluminum LED furniture recessed downlight
- ultra-flat installation depth - 11.5 mm
- Input voltage 12 V DC
- Beam angle 120°
- incl. 2 m connection cable and TOP plug
- Lifespan L70: ≥ 30,000 hours
- **not including LED ballast constant voltage 12V DC. Please order separately.**

Energy efficiency class A+

ORDERING INFORMATION

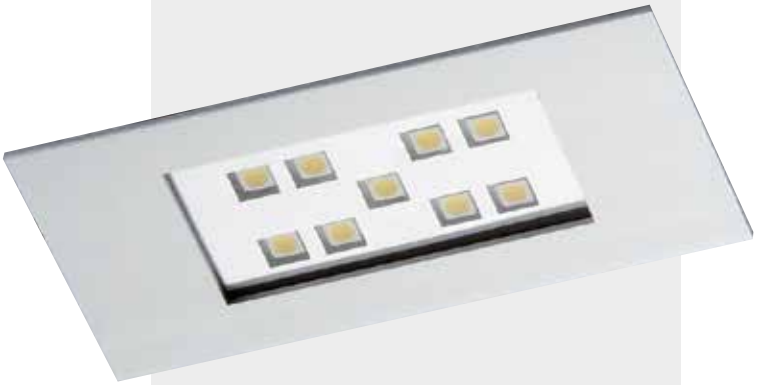
Type light	Housing colour	LED light colour	Light flux Lumen	Beam angle	Power Watt	Art. no.
LARA recessed downlight	brushed aluminum	WW approx. 3200 K	160	120°	2.5	LED53501WW
LARA 2 recessed downlight	brushed aluminum	WW approx. 3200 K	320	120°	5	LED53502WW
LARA 3 recessed downlight	brushed aluminum	WW approx. 3200 K	480	120°	7.5	LED53503WW

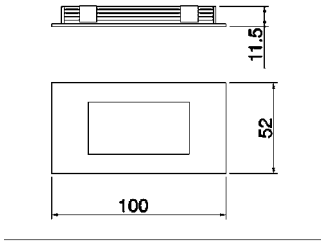
Accessories

Type	Art. 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

Article no. LED53501
LARA

- incl. 9 SMD LEDs,
- overall power 2.5 W



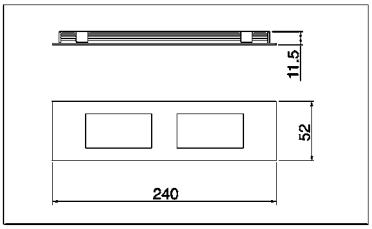


92 x 48 mm

Article no. LED53502
LARA 2

- incl. 18 SMD LEDs,
- overall power 5 W



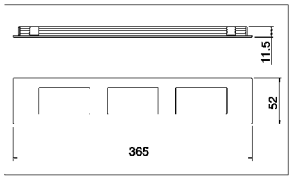


232 x 48 mm

Article no. LED53503
LARA 3

- incl. 27 SMD LEDs,
- overall power 7.5 W





357 x 48 mm



LARA LED furniture surface mount downlight

- Diecast aluminum LED furniture recessed downlight
- ultra-flat, height 15 mm
- Input voltage 12 V DC
- Beam angle 120°
- incl. 2 m connection cable and TOP plug
- Lifespan L70: ≥ 30,000 hours
- **not including LED ballast constant voltage 12V DC. Please order separately.**

Energy efficiency class A+

ORDERING INFORMATION

Type light	Housing colour	LED Light colour	Light flux lumen	Beam angle	Power Watt	Art. no.
LARA S surface-mounted downlight	brushed aluminum	WW approx. 3200 K	160	120°	2.5	LED53501S
LARA 2S surface-mounted downlight	brushed aluminum	WW approx. 3200 K	320	120°	5	LED53502S
LARA 3S surface-mounted downlight	brushed aluminum	WW approx. 3200 K	480	120°	7.5	LED53503S

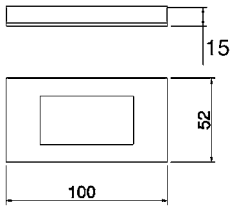
Accessories

Type	Art. 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

Article no. LED53501S
LARA S

- incl. 9 SMD LEDs,
- overall power 2.5 W

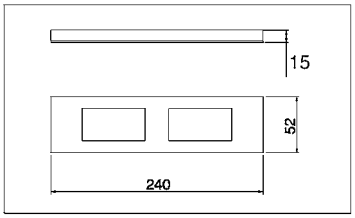




Article no. LED53502S
LARA 2S

- incl. 18 SMD LEDs,
- overall power 5 W

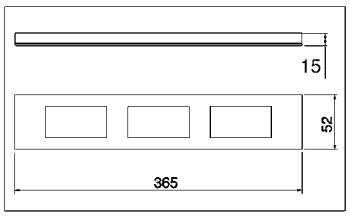




Article no. LED53503S
LARA 3S

- incl. 27 SMD LEDs,
- overall power 7.5 W









LARA LED furniture-recessed downlight green house

- Integrated power LED1x3W OSRAM LCW
- Light colour: 3000K ±200K
- Housing and heatsink: cast aluminum
- Input voltage: 700mA
- with 150mm cable and JST plug
- Lifespan L70: ≥ 30,000 hours
- **not including LED converter constant current 700 mA. Please order separately.**

Energy efficiency class A

ORDERING INFORMATION

Type		Housing colour	LED light colour K	Diameter front panel mm	Installation depth mm	Light flux Lumen	Beam angle	Current mA	Article no.
LARA green house	ø 55 mm	white	3100	70	13,5	111	78°	700	LED55101WW
LARA green house	ø 55 mm	Brushed iron	3100	70	13,5	111	78°	700	LED55105WW
LARA green house	ø 55 mm	chrome matt	3100	70	13,5	111	78°	700	LED55109WW

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter	100-240 V AC	700 mA	3-5 V	3	42 x 29 x 21.5	-20~+40°C	85441
Dimmable phase alignment*	230 VA	700 mA	12-18 V	6-12	ø 66 x 27	-20~+50°C	85434
Dimmable DALI	100~240V AC	700 mA	3-48 V	33	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 2 converters

Accessories LARA green house

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





LED5501-V4A

LARA LED furniture recessed downlight V4A, IP55

- Integrated power SMD LED 2,8 W
- Light colour: 3000K ±200K
- Housing and heatsink: stainless steel 316
- Input voltage: 12 VDC
- with 2 m cable
- Lifespan L70: ≥ 30,000 hours
- **not including LED ballast unit constant current 12V DC. Please order separately.**

Parallel

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	LED light colour K	Diameter front panel mm	Installation depth mm	Light flux Lumen	Beam angle	Article no.
LARA V4A	ø 60 mm	V4A brushed	3000	70	22	130	78°	LED5501-V4A





LARA Recessed spotlight for switch boxes, circular

- Integrated power LED 1 x 1W OSRAM LCW
- Light colour: 3000K ±200K
- Housing and heatsink: cast aluminum
- Input voltage 230 V
- Lifespan L70: ≥ 30,000 hours
- including constant current converter

Energy efficiency class A++

ORDERING INFORMATION

Type		Housing colour	LED light colour K	Diameter front panel mm	Installation depth mm	Light flux Lumen	Beam angle	Art. no.
LARA Recessed	ø 55 mm	white	3000	80	45	49	78°	58291WW
LARA Recessed	ø 55 mm	Brushed iron	3000	80	45	49	78°	58295WW
LARA Recessed	ø 55 mm	chrome matt	3000	80	45	49	78°	58299WW





LARA Recessed spotlight for switch boxes, square

- Integrated power LED 1 x 1W OSRAM LCW
- Light colour: 3000K ±200K
- Housing and heatsink: cast aluminum
- Input voltage 230 V
- Lifespan L70: ≥ 30,000 hours
- including constant current converter

Energy efficiency class A++

ORDERING INFORMATION

Type		Housing colour	LED light colour K	Diameter front panel mm	Installation depth mm	Light flux Lumen	Beam angle	Art. no.
LARA Recessed	ø 55 mm	white	3000	80 x 80	45	49	78°	58281WW
LARA Recessed	ø 55 mm	Brushed iron	3000	80 x 80	45	49	78°	58285WW
LARA Recessed	ø 55 mm	chrome matt	3000	80 x 80	45	49	78°	58289WW



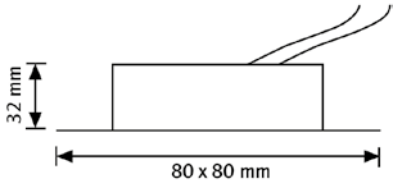
Badausstellung Gornig, Salzwedel

Wall recessed spotlight
1W Power LED

- for operation with constant current ballast 350 mA
- Housing diecast aluminum,
- 57200: suitable for bulbs in energy efficiency classes A++ bis E
- Lifespan L70: ≥ 30,000 hours
- **not including LED converter constant current 350 mA. Please order separately**



57210



LED series connection G4 Parallel RoHS REACH

Energy efficiency class A+

ORDERING INFORMATION

Colour code		Current mA	Socket	Power	LED colour	Art. no.
silver-grey	68 x 68 mm	350	-	1 W	white	57210W
silver-grey	68 x 68 mm	350	-	1 W	Warm white	57210WW

Accessories	Art. no.
Plastering housing	57156
Plastering frames	57154

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter for LED57990	100~240 V AC	350 mA	3-8 V	1-2	42 x 29 x 21.5	-20~+40°C	85439
Dimmable phase alignment*	230 VA	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable 1-10 V	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80475
Dimmable KNX	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48 V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 6 no.



Wall recessed spotlight
Diecast aluminum · 1W power LED

- for operation with constant current ballast units 350 mA
- 57201: suitable for bulbs in energy efficiency classes A++ bis E
- Lifespan L70: ≥ 30,000 hours
- **not including LED converter constant current 350 mA. Please order separately.**



57211



LED series connection G4 Parallel RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Colour code		Current mA	Socket	Power	LED colour	Art. no.
silver-grey	70 x 70 mm	350	-	1 W	white	57211W
silver-grey	70 x 70 mm	350	-	1 W	Warm white	57211WW
silver-grey	70 x 70 mm	-	G4	max. 20 W	-	57201

Accessories	Art. no.
Plastering housing	57150
Plastering frames	57154

Not including constant current converter. Please order separate converter or dimmable converter.

Type	Input AC or DC	Output Current	Output Voltage	Power Watt	Size mm	Temperature range	Article no.
Converter for LED57990	100~240 V AC	350 mA	3-8 V	1-2	42 x 29 x 21.5	-20~+40°C	85439
Dimmable phase alignment*	230 VA	350 mA	17-23 V	6-8	ø 58 x 27	-20~+50°C	85445
Dimmable 1-10 V	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80475
Dimmable KNX	12~24 V DC	350 mA	-	4 x 4.2W (12V), 8.4W (24V)	166 x 54 x 23	-20~+50°C	80110
Dimmable DALI	100~240V AC	350 mA	3-48 V	16	210 x 50 x 32	-20~+50°C	80790

*Connection of at least 6 no.



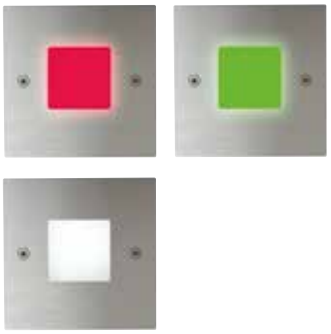
Wall recess spotlights

ready for connection, for deep switch and hollow wall boxes

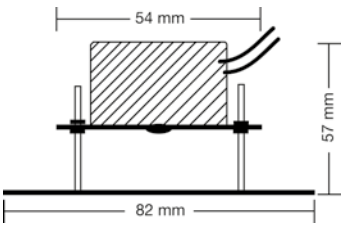
© terex@fotolia.com

Stainless steel wall recess spotlights, mains connection: 1W Luxeon power LED

- Integrated ballast unit.
- Supplied without switch or hollow wall box
- Lifespan L70: ≥ 30,000 hours
- Attention: Use compensator Art. no. 59999 if connected with crossover or toggle switch







LED colour: White and warm white — **Energy efficiency class A**

LED colour: Red and green — **Energy efficiency class B**

ORDERING INFORMATION

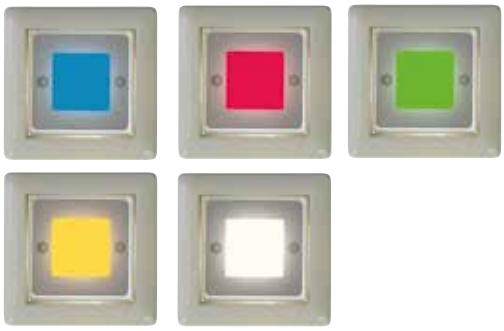
Colour code		Power	LED colour	Art. no.
silver-grey	ø 68 mm	1 W	white	59400W
silver-grey	ø 68 mm	1 W	warm white	59400WW
silver-grey	ø 68 mm	1 W	green	57400G
silver-grey	ø 68 mm	1 W	red	57400R
Compensator ø 22 mm				59999

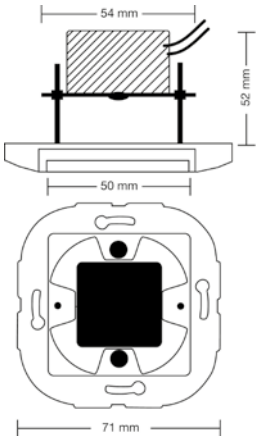


Stainless steel wall recess spotlights, mains connection: 1W Luxeon power LED

for all standart switch ranges

- Integrated ballast unit.
- Supplied without switch or hollow wall box and frames or intermediate frames
- Lifespan L70: ≥ 30,000 hours
- Attention: Use compensator Art. no. 59999 if connected with crossover or toggle switch







LED colour: White and warm white — **Energy efficiency class A**

LED colour: Red and green — **Energy efficiency class B**

ORDERING INFORMATION

Colour code		Power	LED colour	Art. no.
silver-grey	ø 68 mm	1 W	white	57401W
silver-grey	ø 68 mm	1 W	warm white	59401WW
silver-grey	ø 68 mm	1 W	blue	57401B
silver-grey	ø 68 mm	1 W	green	57401G
silver-grey	ø 68 mm	1 W	red	57401R
silver-grey	ø 68 mm	1 W	yellow	57401Y
Compensator ø 22 mm				59999



Uinen

Outdoor wall recessed/surface-mounted spotlight

- Solid stainless steel 316
- 1 W power LED
- Input voltage 24 V DC
- Drillhole ø 45 mm
- Installation depth 25 mm
- can also be used as floor recessed spotlight - 57240 and 57241 trafficable up to 500 kg
- Lifespan L70: ≥ 35,000 hours
- **not including LED ballast unit constant current 27V DC. 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.

IP 66



LED colour: white
Energy efficiency class A++

LED colour: warm white
Energy efficiency class A+

LED colour: blue
Energy efficiency class A

ORDERING INFORMATION

bulbs	LED	LED colours	Beam angle	Outer diameter mm	Installation depth	Art. no.
Uinen flat	1 W Power LED	white	45°	52	25	LED57240W
Uinen flat	1 W Power LED	warm white	45°	52	25	LED57240WW
Uinen flat	1 W Power LED	blue	45°	52	25	LED57240B
Uinen semicircular	1 W Power LED	white	45°	52	25	LED57241W
Uinen semicircular	1 W Power LED	warm white	45°	52	25	LED57241WW
Uinen semicircular	1 W Power LED	blue	45°	52	25	LED57241B
Uinen asymmetric	1 W Power LED	white	45°	52	25	LED57242W
Uinen asymmetric	1 W Power LED	warm white	45°	52	25	LED57242WW
Uinen asymmetric	1 W Power LED	blue	45°	52	25	LED57242B

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



Recessed downlights
for replaceable bulbs

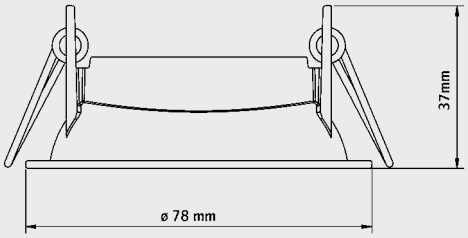


Recessed Downlight for rutec LED modules

movable, glare-free with 50mm diameter

- Indoor use
- Material: Diecast aluminum
- 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++
- **without LED modules and constant current converters. Please order separately**

ALU55231



Reihenschaltung

Energy efficiency class A+ to A++

ORDERING INFORMATION

Outer Diameter		 white	 brushed iron	 chrome matt
ø 82 mm	ø 68 mm	ALU55231	ALU55235	ALU55239

Depth after installation 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.



Remove the glass of the module. (Not neccessary for 88823)



Put the glass of the scope of the delivery on the module. (Not neccessary for 88823)



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

Following modules with converters are suitable and necessary:

Type	Articel No.	Power W	Depth after installation mm	LED Colour K	Light flux Lumen	Beam Angle	Current mA	Converter On-off	Converter Dimable Phasecut
Dim To Warm	88823	7	75	2800-2000K	520	38	350	-	Art. 85445
MR-16 Modul 3000K CRI90	88817	6,2	75	3000K	638	38	350	Art. 85442	Art. 85445
MR-16 Modul 2700K CRI90	88807	6,2	75	2700K	570	38	350	Art. 85442	Art. 85445
MR-16 Modul 3000K CRI80	88878	6,2	75	3000K	740	38	350	Art. 85442	Art. 85445
MR-16 Modul 2700K CRI80	88868	6,2	75	2700K	718	38	350	Art. 85442	Art. 85445
MR-16 Modul 2700K CRI80	88869	10	95	2700K	996	43	350	Art. 85443	Art. 85446
MR-16 Modul 3000K CRI80	88879	10	95	3000K	1005	43	350	Art. 85443	Art. 85446
MR-16 Modul 2700K CRI90	88809	10	95	2700K	838	43	350	Art. 85443	Art. 85446
MR-16 Modul 3000K CRI90	88819	10	95	3000K	887	43	350	Art. 85443	Art. 85446
MR-16 Modul 2700K CRI90	88808	10	95	2700K	383	60	350	Art. 85443	Art. 85446
MR-16 Modul 3000K CRI90	88818	10	95	3000K	905	60	350	Art. 85443	Art. 85446

Lifespan L70: ≥ 50,000 hours



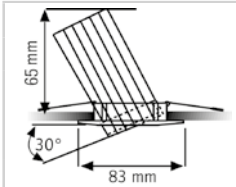
LED recessed downlight

incl. Bridgelux power LED-module 6.2W with reflector and 350 mA converter, movable, without clipring

- for indoor use
- Light colour: 3000 K (± 100 K) warm white or light colour: 2700 K (± 100 K) ultra-warm white
- Beam angle 40°
- Light flux: warm white: 740 lumens, ultra-warm white: 718 lumens
- Diecast aluminum
- Bulb replacement by removing bayonet front ring
- Lifespan L70: ≥ 50,000 hours
- **including LED 350 mA constant current converter (Phase cut dimming)**



ALU56379WW



including
LED module
6.2W Bridgelux
Depth 65 mm

series connection

Energy efficiency class A++

ORDERING INFORMATION

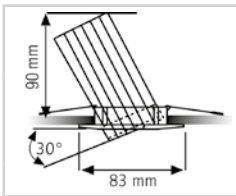
Light colour		 white	 black	 gold	 chrome	 brushed iron	 old brass	 gold matt	 chrome matt
3000 K	ø 68 mm	ALU56371 WW	ALU56372 WW	ALU56373 WW	ALU56374 WW	ALU56375 WW	ALU56376 WW	ALU56378 WW	ALU56379 WW
2700 K	ø 68 mm	ALU56371 UWW	ALU56372 UWW	ALU56373 UWW	ALU56374 UWW	ALU56375 UWW	ALU56376 UWW	ALU56378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



LED recessed downlight

incl. Bridgelux power LED module 10W with reflector and 350 mA converter, movable, without clipring

- for indoor use
- Light colour: 3000 K (± 100 K) warm white
  or light colour: 2700 K (± 100 K) ultra-warm white CRI 80
- Beam angle 43°
- Light flux: warm white: 1005 lumens, ultra-warm white: 995 lumens
- Diecast aluminum
- Bulb replacement by removing bayonet front ring
- Lifespan L70: ≥ 50,000 hours
- **including LED 350 mA constant current ballast unit (Phase cut dimming)**



including
LED module
10 W Bridgelux
Depth 90 mm



ALU50371WW

Energy efficiency class A+

ORDERING INFORMATION

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



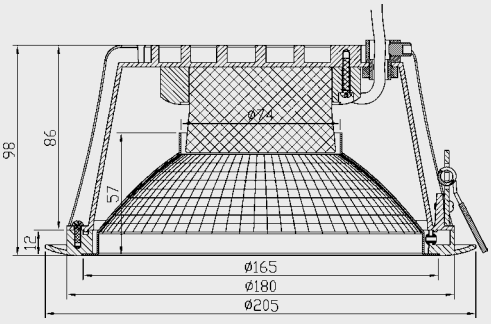
ZHAGA Module BOOK 2 downlight

CALAD round
LED downlight for Zhaga Module Book 2

- for indoor use
- Housing in diecast aluminum
- Aluminum reflector
- Input: 230 V, 50/60 Hz
- VDE-approved mounting
- Luminaire suitable for lamps in energy efficiency classes: A++ to A
- **not including bulb**



43109 with Megaman TECOH 30 W



ORDERING INFORMATION

Colour	Beam angle	Outer diameter		Depth	Article no.
white	120°	205 mm	185 mm	110 mm	43101
brushed iron	120°	205 mm	185 mm	110 mm	43105
chrome matt	120°	205 mm	185 mm	110 mm	43109



white | brushed iron | chrome matt

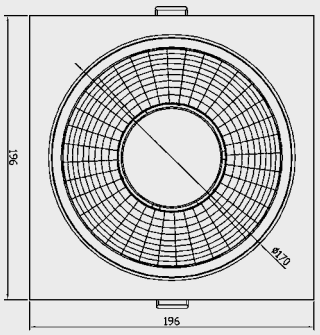


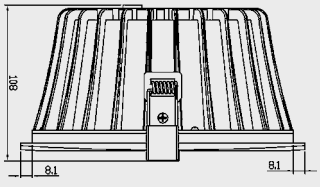


43201 with Megaman TECOH 30 W

CALAD square
LED downlight for Zhaga Module Book 2

- for indoor use
- Housing in diecast aluminum
- Aluminum reflector
- Input: 230 V, 50/60 Hz
- VDE-approved mounting
- Luminaire suitable for lamps in energy efficiency classes: A++ to A
- **not including bulb**





ORDERING INFORMATION

Colour	Beam angle	Outer diameter		Depth	Article no.
white	120°	196 x 196	185 mm	110 mm	43201
brushed iron	120°	196 x 196	185 mm	110 mm	43205
chrome matt	120°	196 x 196	185 mm	110 mm	43209



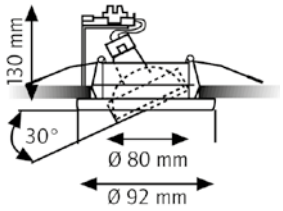
Aluminum downlight

- for indoor use
- Solid aluminum downlight
- Movable by 30° and rotating by 360°
- circular drillhole
- Inner movable area removable for changing bulbs
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



Photo: Wilm Ihlenfeld@fotolia.com

MELIMAR - circular, movable, without clipring for ø 50 mm bulbs

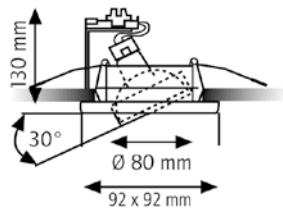


	usable bulbs		
	LED module	GX 5.3	GU 10
	6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
	Depth 65/90 mm	Depth 130 mm	Depth 130 mm



57560

MELIMAR - square, movable, without clipring for ø 50 mm bulbs



	usable bulbs		
	LED module	GX 5.3	GU 10
	6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
	Depth 65/90 mm	Depth 130 mm	Depth 130 mm

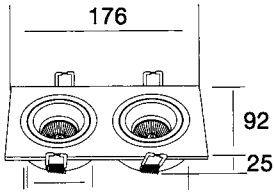


57555

ORDERING INFORMATION

Type	Material		Art. no.
1-fold - circular	Solid aluminum	ø 80 mm	57560
1-fold - square	Solid aluminum	ø 80 mm	57555
2-fold	Solid aluminum	ø 2 x 80 mm	57556
4-fold	Solid aluminum	ø 4 x 80 mm	57558
4-fold - square	Solid aluminum	ø 4 x 80 mm	57559

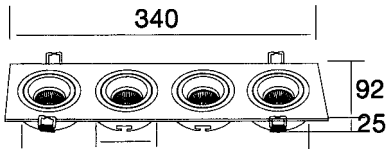
MELIMAR - without 2-fold clipring, movable, for ø 50 mm bulbs





57556

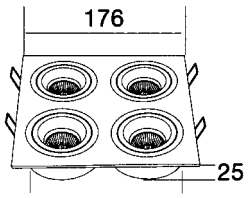
MELIMAR - without 4-fold clipring, movable, for ø 50 mm bulbs





57558

MELIMAR - without 4-fold / square clipring, movable, for ø 50 mm bulbs





57559

Inner movable area
removable for changing bulbs!





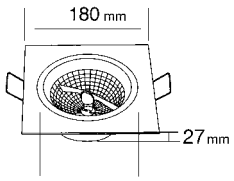
Squashcenter Achim

Solid aluminum downlight

for 111 mm bulbs

- for indoor use
- Solid aluminum downlight, outside textured, inside glossy
- Movable by 45° and rotating by 360°
- circular drillhole
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- not including bulb

MELIMAR - 1-fold, for ø 111 mm bulbs

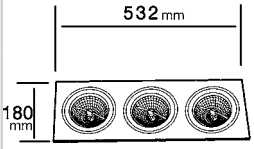


	usable bulbs		
	LED module	QRB 111	GU 10
	13 W 18 W 111 mm from P. 128	max. 75 W	max. 75 W use accessory art. 54996
	Depth 80/110 mm	Depth 100 mm	Depth 100 mm



57660

MELIMAR - 3-fold, for ø 111 mm bulbs



	usable bulbs		
	LED module	QRB 111	GU 10
	13 W 18 W 111 mm from P. 128	max. 75 W	max. 75 W use accessory art. 54996
	Depth 80/110 mm	Depth 100 mm	Depth 100 mm



57657

ORDERING INFORMATION

Type		Depth	Art. no.
1-fold - square	ø 150 mm	42 mm	57660
3-fold	ø 3 x 150 mm	42 mm	57657

INNER RING REMOVABLE FOR CHANGING BULBS!



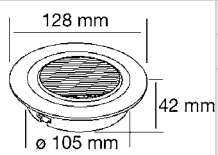
Aluminum downlight
for GX 53-1 energy-saving lamps

MELIMAR - 1-fold circular
for GX53-1 energy-saving and LED lamps

- for indoor use
- solid aluminum downlight, brushed
- circular drillhole
- not including bulb
- 2-core cable, length 30 cm
- Luminaire suitable for lamps in energy efficiency classes: A++ to B
- including GX53-1 socket
- **not including bulb**



57460



usable bulbs
GX 53-1 (T110)
max. 11 W

ORDERING INFORMATION

Type		Depth	Art. no.
1-filament - circular	ø 105 mm	42 mm	57460

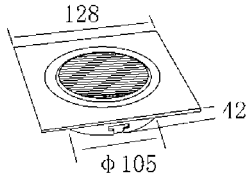
INNER RING REMOVABLE FOR CHANGING BULBS!



- for indoor use
- solid aluminum downlight, brushed
- circular drillhole
- 2-core cable, length 30 cm
- Luminaire suitable for lamps in energy efficiency classes: A++ to B
- including GX53-1 socket
- **not including bulb**

Photo: sowanna@fotolia.com

MELIMAR - 1-fold square for GX53-1 energy-saving lamps

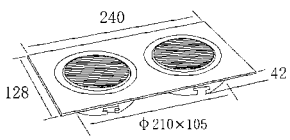


usable bulbs
GX 53-1 (T110)
max. 11 W



57455

MELIMAR - 2-fold square for GX53-1 energy-saving lamps



usable bulbs
GX 53-1 (T110)
max. 11 W



57456

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

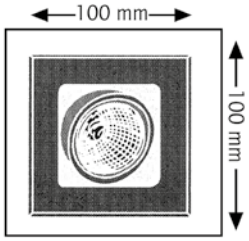
INNER RING REMOVABLE FOR CHANGING BULBS!



- for indoor use
- Material: Solid aluminum
- Colour: brushed aluminum and white
- circular drillhole
- Protection class: IP 20 (when fitted in enclosed ceilings)
- Movable by 40° and rotating by 360°
- 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
- without tension relief
- **not including bulb**

Cardanic downlight

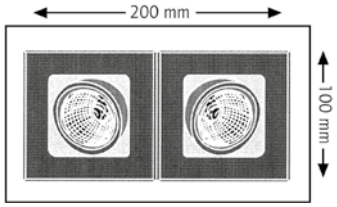
1-fold for ø 50 mm bulbs solid aluminum





57531

2-fold for ø 50 mm bulbs solid aluminum





57532

57531, 57532

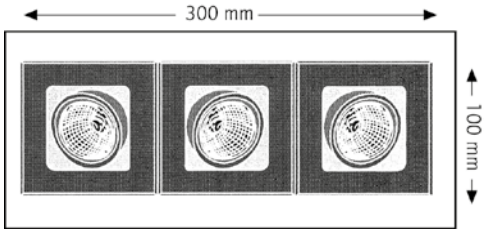
ORDERING INFORMATION

		brushed aluminum	white	brushed aluminum
		circlip	circlip	clip ring
1-filament	ø 92 mm	-	-	57531
2-filament	ø 2 x 92 mm	57502	56502	-

usable bulbs		
LED module	GX 5.3	GU 10
only 57531+ 57532: 6.2 W, 7 W, 10 W from P. 124	max. 50 W	max. 75 W use accessory art. 54996
Depth 65/90 mm	Depth 130 mm	Depth 130 mm

3-fold, for ø 50 mm bulbs
solid aluminum

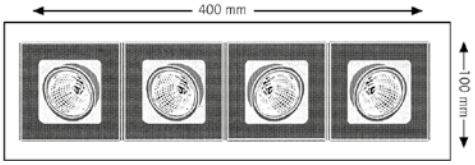
ONLY AVAILABLE IN WHITE COLOUR





57503

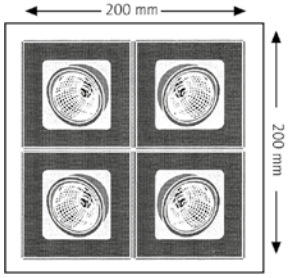
4-fold, for ø 50 mm bulbs
solid aluminum





57504

4-fold square for ø 50 mm bulbs
solid aluminum





57514

		brushed aluminum	white
		circlip	circlip
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 bulbs	
GX 5.3	GU 10
max. 50 W	max. 75 W use accessory art. 54996
Depth 130 mm	Depth 130 mm



Aluminum recessed downlight

movable, without clipring
for ø 50 mm bulbs

- for indoor use
- Material: solid aluminum
- Colour: Aluminum (unfinished state)
- Bulb change: Swivel holder trim removable (clip lock)
- Application: also suitable for fitting in concrete ceilings and other thermally difficult fitting situations
- Can also be operated with GU 10 HV lamp. Use accessory 54995.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

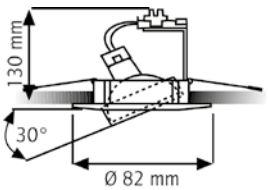


ALU55480



ORDERING INFORMATION

	
	Aluminum gloss
ø 68 mm	ALU5548-0



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



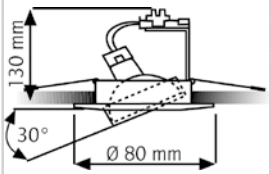
Diecast aluminum

Recessed downlight
movable, without clipring
for ø 50 mm bulbs

- for indoor use
- Bulb change: Swivel holder trim removable (clip lock)
- Material: Diecast aluminum
- 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
- **not including bulb**



ALU55489



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm

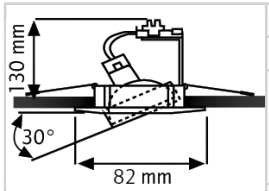
ORDERING INFORMATION

	white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
ø 68 mm	ALU55481	ALU55482	-	ALU55484	ALU55485	ALU55486	-	ALU55488	ALU55489



- for indoor use
- Diecast aluminum recessed spotlight
- 30° movable
- Bulb replacement by removing bayonet front ring
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight without clipring, movable, circular, for ø 50 mm bulbs

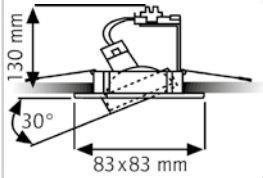


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



ALU55374

Recessed downlight without clipring, movable square, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



ALU55476

ORDERING INFORMATION

		 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

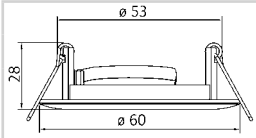


- for indoor use
- Diecast aluminum recessed spotlight
- 30° movable or rigrid
- Bulb replacement by removing bayonet front ring
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

ALU55775



Diecast aluminum recessed downlight without clip ring, movable round, for Ø 35 mm bulbs



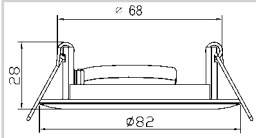
usable bulbs		
LED module	GZ 4	GU 10
5.2 W on P. 123	max. 35 W	-
Depth 65/90 mm	Depth 130 mm	-



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

Diecast Aluminum recessed downlight without clip ring, fixed round, for Ø 50 mm bulbs

NEW



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



ALU55781

ORDERING INFORMATION

	Outer Diameter									
			white	black	gold	chrome	brushed iron	old brass	gold matt	chrome matt
movable	ø 60 mm	ø 53 mm	ALU55771	ALU55772	ALU55773	ALU55774	ALU55775	ALU55776	ALU55778	ALU55779
fixed	ø 82 mm	ø 68 mm	ALU55781	ALU55782	ALU55783	ALU55784	ALU55785	ALU55786	ALU55788	ALU55789



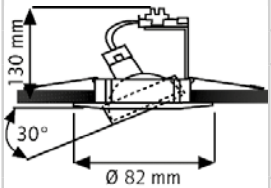
- for indoor use
- Diecast aluminum recessed downlight
- 30° movable
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Vadim Andrushchenko@fotolia.com



ALU55359

Recessed downlight circular, movable for ø 50 mm bulbs

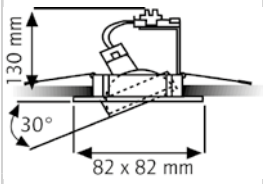


	usable bulbs	
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



ALU55395

Recessed downlight, square, movable, for ø 50 mm bulbs



	usable bulbs	
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

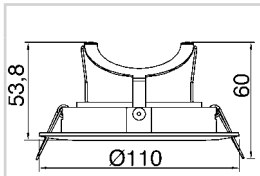
		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
circular	ø 68 mm	ALU55351	ALU55352	ALU55353	ALU55354	ALU55355	ALU55356	-	ALU55358	ALU55359
square	ø 68 mm	ALU55391	ALU55392	ALU55393	ALU55394	ALU55395	-	ALU55397	-	ALU55399



det:anan sunonethong@fotolia.com

- for indoor use
- Diecast aluminum recessed downlight
- movable, without clipring
- Simple replacement technique with bayonet connection
- rearward, cardanic mounting
- Movable by 40° and rotating by 360°
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight rotating and movable, without clipring round, for ø 50 mm bulbs

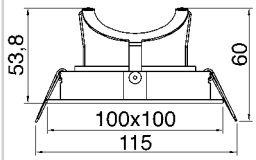


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



ALU55681

Recessed downlight rotating and movable, without clipring square, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



ALU55675

ORDERING INFORMATION

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



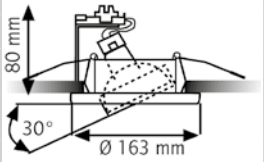
Diecast ALUMINUM for 111mm bulbs

- for indoor use
- Diecast aluminum recessed downlight
- Bulb replacement by removing bayonet front ring
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



Vadim Andrushchenko@fotolia.com

Recessed downlight 30° movable, round, for ø 111 mm bulbs

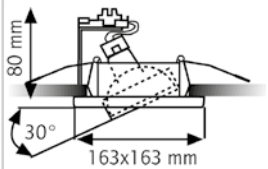


usable bulbs		
LED module	QRB 111	GU 10
13 W / 18 W 111 mm from P. 128	max. 75 W	max. 75 W use accessory art. 54996
Depth 80/110 mm	Depth 100 mm	Depth 100 mm



ALU55805

Recessed downlight 30° movable, square, for ø 111 mm bulbs



usable bulbs		
LED module	QRB 111	GU 10
13 W / 18 W 111 mm from P. 128	max. 75 W	max. 75 W use accessory art. 54996
Depth 80/110 mm	Depth 100 mm	Depth 100 mm



ALU55814

ORDERING INFORMATION

		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
round	ø 140 mm	ALU55801	ALU55802	-	ALU55804	ALU55805	-	-	-	ALU55809
square	ø 140 mm	ALU55811	ALU55812	-	ALU55814	ALU55815	-	-	-	ALU55819

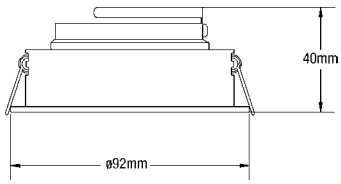


Glare-free diecast aluminum recessed downlight

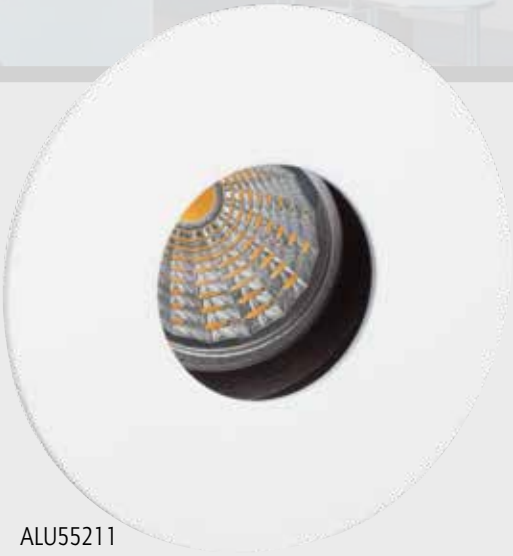
- Glare-free diecast aluminum, internal movable
- for indoor use
- Diecast aluminum
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- The complete downlight has to be removed to replace the bulb.
- **not including bulb**

Andreas Mueller@fotolia.com

Glare-free recessed downlight movable, round, for ø 50 mm bulbs

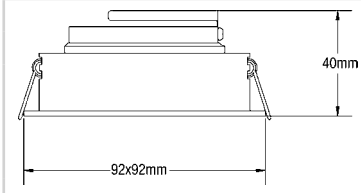


	usable bulbs	
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
Depth 90/110 mm	Depth 130 mm	Depth 130 mm



ALU55211

Glare-free recessed downlight movable, square, for ø 50 mm bulbs



	usable bulbs	
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
Depth 90/110 mm	Depth 130 mm	Depth 130 mm



ALU55221

ORDERING INFORMATION

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

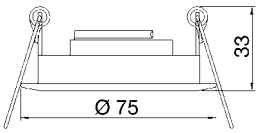


Squashcenter Achim



- for indoor use
- Diecast aluminum recessed downlight
- movable, without clipring
- Simple replacement technique, internal swivel area removable
- Glare-free due to deep-set bulb
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight movable, without clipring, for ø 35 mm bulbs

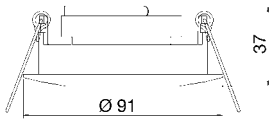


usable bulbs		
LED module	GZ 4	GU 10
5,2 W on P. 123	max. 35 W	-
Depth 80 mm	Depth 130 mm	-



ALU55545

Recessed downlight movable, without clipring, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W use accessory art. 54995
Depth 80/95 mm	Depth 130 mm	Depth 130 mm



ALU55551

ORDERING INFORMATION

										
		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 aluminum recessed downlight - trimless, flush-mounted, rectangular, for Ø 50 mm bulbs, cardanic, without clipring

NEW

- Indoor use
- Material: Diecast aluminum
- Easy 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.
- 40° movable- and 360° rotating
- Bulb replacement by removing bayonet front ring
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Easy Installation

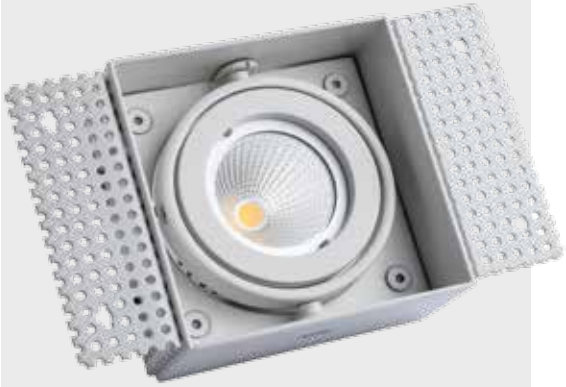


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 35 W	-
Depth 85/100 mm	Depth 70 mm	-

ORDERING INFORMATION

	Measurement			
Type			white	black
1-Flame	150x91	93 x 93 mm	ALU55711	ALU55712
2-Flame	236x91	179 x 93 mm	ALU55721	ALU55722
3-Flame	319x91	261 x 93 mm	ALU55731	ALU55732

1-Flame for ø 50 mm bulbs
Aluminum diecast



ALU55711

2-Flames for ø 50 mm bulbs
Aluminum diecast



ALU55721

3-Flames for ø 50 mm bulbs
Aluminum diecast



ALU55731

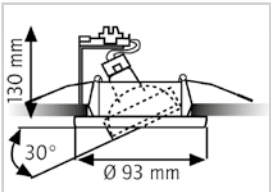


Recessed downlight without clipring, movable, 360° rotating, for ø 50 mm bulbs

- for indoor use
- Diecast aluminum recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- Inner movable area removable for changing bulbs
- **not including bulb**



R55369



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 55003
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
		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
R5536	ø 81 mm	R55361	R55362	-	R55364	R55365	-	-	-	R55369

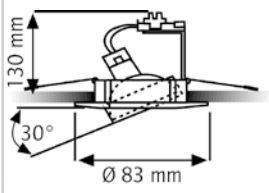


Recessed downlight BICOLOR movable, for ø 50 mm bulbs



ALU55384

- for indoor use
- Diecast aluminum recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm

ORDERING INFORMATION

				
		Brass/brushed brass	Chrome/iron	Brass/iron
ALU5538	ø 68 mm	ALU55383	ALU55384	ALU55385

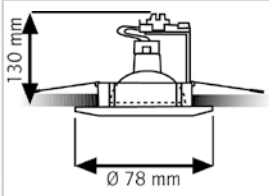


Rigid recessed downlight for ø 50 mm bulbs

- for indoor use
- Diecast aluminum recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



ALU55849



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 55003
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
ALU5584	ø 62 mm	ALU55841	ALU55842	ALU55843	ALU55844	ALU55845	ALU55846	-	-	ALU55849

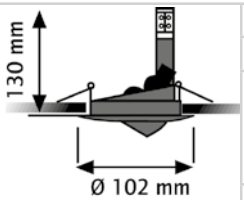


- for indoor use
- Diecast aluminum recessed downlight
- Front panel completely removable for bulb replacement.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight without clipring, 30°movable, 355° rotating, for ø 50 mm bulbs



ALU55864

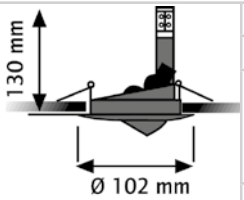


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 35 W Accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm

Recessed downlight with leaf springs without clipring, 30°movable, 355° rotating, for ø 50 mm bulbs



ALU55864-BL



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 35 W Accessory art. 55003
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
ALU5586	ø 90 mm	ALU55861	ALU55862	-	ALU55864	ALU55865	-	ALU55867	ALU55868	-
with leaf springs	ø 90 mm	ALU55861BL	ALU55862BL	-	ALU55864BL	ALU55865BL	-	ALU55867BL	ALU55868BL	-

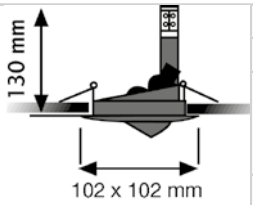




ALU55875

Recessed downlight square, without clipring, 30° movable, 355° rotating, for ø 50 mm bulbs

- for indoor use
- Diecast aluminum recessed downlight
- circular drillhole
- Bulb replacement by removing bayonet front ring
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 35 W Accessory art. 55003
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
ALU5587	ø 90 mm	ALU55871	-	ALU55873	ALU55874	ALU55875	ALU55876	-	ALU55878	ALU55879



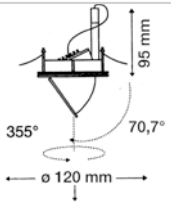
Pavel Losevsky@fotolia.com

Recessed downlight 70° movable and rotating, for ø 50 mm bulbs

- without clipring, 70° movable and 355° rotating
- for indoor use
- Diecast aluminum
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- Movable area front panel removable for bulb replacement
- Outer diameter mm: 120 mm
- **not including bulb**



ALU55595

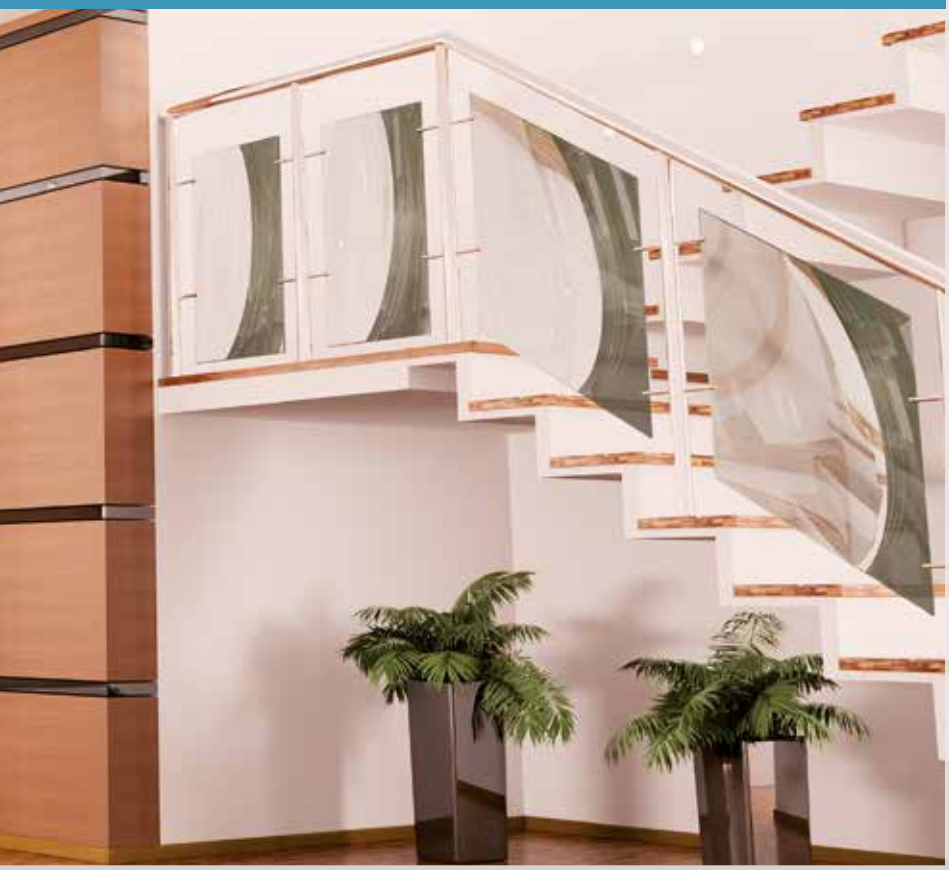


	usable bulbs		
	LED module	GX 5.3	GU 10*
	6,2 W 7 W from P. 124	max. 35 W	max. 35 W
	Depth 100 mm	Depth 100 mm	Depth 100 mm

* GU10 mounting included in delivery

ORDERING INFORMATION

		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
ALU5559	ø 110 mm	ALU55591	-	-	-	ALU55595	-	-	-	ALU55599



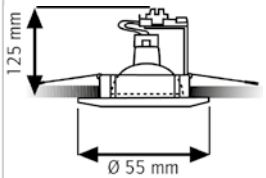
- for indoor use
- Diecast aluminum recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

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



Vadim Andrushchenko©fotolia.com

Recessed downlight
rigid small, for ø 35 mm bulbs

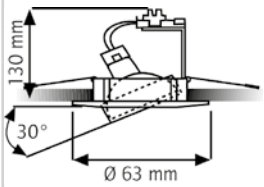


usable bulbs		
LED module	GZ 4	GU 10
5.2 W on P. 123	max. 35 W	-
Depth 90 mm	Depth 130 mm	-



ALU55835

Recessed downlight
movable small, for ø 35 mm bulbs



usable bulbs		
LED module	GZ 4	GU 10
5.2 W on P. 123	max. 35 W	-
Depth 90 mm	Depth 130 mm	-



ALU55345

ORDERING INFORMATION

										
		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	-	-	ALU55349



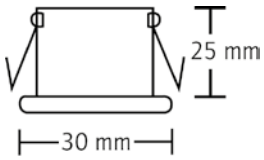
Light points

- for indoor use
- Diecast aluminum recessed spotlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



shutterstock_8555941

Light point, for pin base

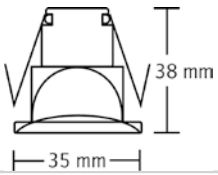


usable bulbs		
LED module	G4	GU 10
-	max. 20 W	-



R55994

Light point deep, for pin base



usable bulbs		
LED module	G4	GU 10
-	max. 20 W	-



R55989

ORDERING INFORMATION

		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
R5599	ø 25 mm	R55991	-	R55993	R55994	R55995	R55996	-	-	R55999
R5598	ø 26 mm	R55981	-	-	R55984	R55985	-	-	-	R55989



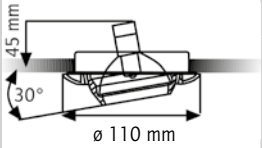
Steel recessed downlight

- for indoor use - also suitable for fitting in concrete ceilings and other thermally difficult fitting situations
- Steel recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



R55065

Recessed downlight, steel movable, 180° rotating, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm

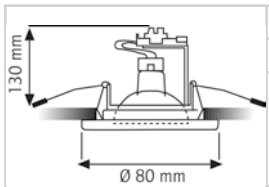
ORDERING INFORMATION

		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
										
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 recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight, steel rigid, for ø 50 mm bulbs

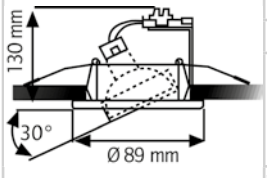


	usable bulbs		
	LED module	GX 5.3	GU 10
	6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 54995
	Depth 65/90 mm	Depth 130 mm	Depth 130 mm



R55036

Recessed downlight, steel movable, for ø 50 mm bulbs



	usable bulbs		
	LED module	GX 5.3	GU 10
	6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 54995
	Depth 65/90 mm	Depth 130 mm	Depth 130 mm



R55058

ORDERING INFORMATION

		 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

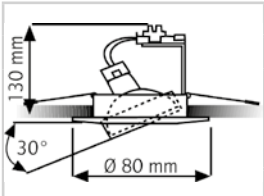


Recessed downlight, steel movable, without clipring, for ø 50 mm bulbs

- for indoor use - also for fitting in concrete ceilings and other thermally-difficult fitting situations
- Steel recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



R55116



usable bulbs		
LED module	GX 5.3	GU 10
-	max. 50 W	max. 50 W Accessory art. 55007
-	Depth 130 mm	Depth 130 mm

Simple replacement technique – without clipring



ORDERING INFORMATION

		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
R5511	ø 68 mm	R55111	R55112	R55113	R55114	R55115	R55116	-	-	R55119



3darcastudio@fotolia.com

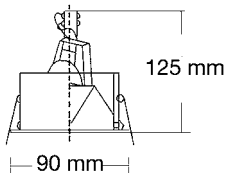
304 stainless steel

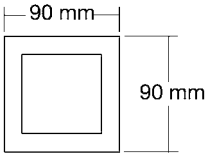
- Indoor use.
  Also suitable for fitting in concrete ceilings and other thermally-difficult fitting situations in addition to use in damp rooms.
- 304 stainless steel recessed downlight, movable
- Simple replacement technique with bayonet connection, dazzle-free due to deep-set bulbs
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



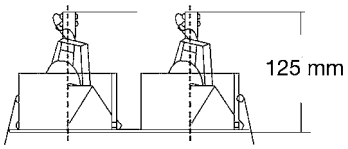
R55600

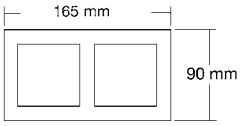
Recessed downlight, 304 stainless steel movable, without clipring, for ø 50 mm bulbs





Recessed downlight, V2A stainless steel movable, without clipring, for ø 50 mm bulbs







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.



R55611

ORDERING INFORMATION

		 stainless steel	 white
R5560, 1-fach	85 x 75 mm	R55600	R55601
R5561, 2-fach	150 x 75 mm	R55610	R55611

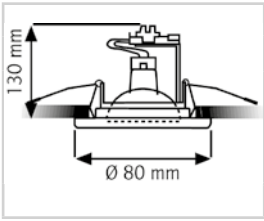
usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 54995
Depth 88/100 mm	Depth 130 mm	Depth 130 mm



- 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 recessed downlight
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

XtravaganT@fotolia.com

Recessed downlight, 304 stainless steel rigid, for ø 50 mm bulbs, 304 stainless steel

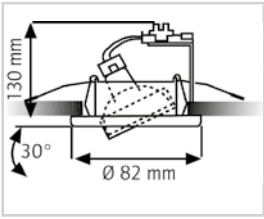


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



R55080

Recessed downlight, 304 stainless steel movable, for ø 50 mm bulbs 304 stainless steel



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 55003
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



R55090

ORDERING INFORMATION

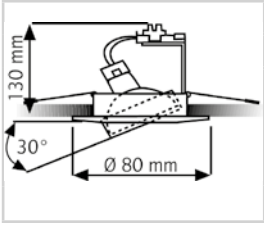
		
		V2A stainless steel
rigid	ø 60 mm	R55080
movable	ø 68 mm	R55090

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.



- 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 recessed downlight, movable
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight, 304 stainless steel movable, without clipring, for ø 50 mm bulbs



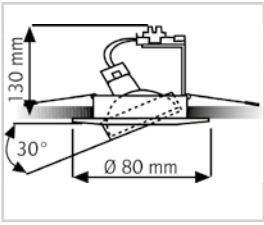
usable bulbs		
LED module	GX 5.3	GU 10
-	max. 50 W	max. 50 W Accessory art. 55007
-	Depth 130 mm	Depth 130 mm

Optional pot 55432.



R55110

Recessed downlight, 304 stainless steel movable, without clipring, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
-	max. 50 W	max. 50 W Accessory art. 55007
-	Depth 130 mm	Depth 130 mm

Optional pot 55432.



R55181

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

			
		V2A stainless steel	white
R5511	ø 68 mm	R55110	-
R5518	ø 68 mm	-	R55181

Simple replacement technique – without circlip.





316 stainless steel recessed downlight

Recessed downlight, 316 stainless steel movable, without clipring, for ø 50 mm bulbs

- 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 recessed downlight, movable
- simple replacement technique by removing the complete front panel
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

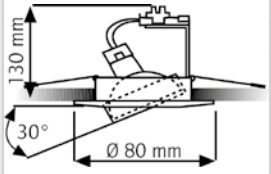


R5511-V4A

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

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



usable bulbs		
LED module	GX 5.3	GU 10
-	max. 50 W	max. 50 W Accessory art.. 55007
-	Depth 130 mm	Depth 130 mm



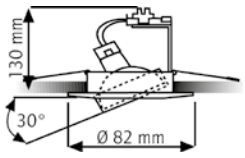
TULKA - 316-st. steel recessed downlight

- 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 recessed downlight
- Simple replacement technique: Swivel holder trim removable (clip lock)
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



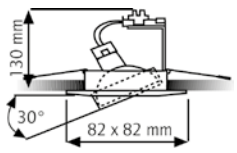
R5558-V4A

Recessed downlight, 316 stainless steel round, movable, without clipring, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm

Recessed downlight, 316 stainless steel square, movable, without clipring, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



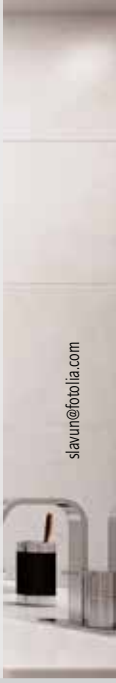
R5557-1

ORDERING INFORMATION

			
		316 stainless steel	white
round	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.

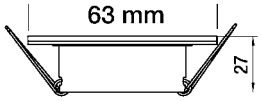




TULKA - 316-st. steel
Recessed downlight, IP55

- 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.
- Bulb replacement by removal of inside ring (clip fitting).
- Hardened, clear glass. Protection class IP 55 when fitted in enclosed ceilings.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight, 316 stainless steel round, rigid, without clipring, IP55, for ø 35 mm bulbs

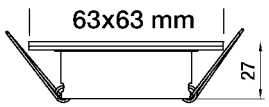


	usable bulbs		
	LED module	GZ 4	GU 10
	5,2 W on P. 123	max. 35 W	-
	Depth 90/70 mm	Depth 130 mm	-



R5564-V4A

Recessed downlight, 316 stainless steel square, rigid, without clipring, IP55, for ø 35 mm bulbs



	usable bulbs		
	LED module	GZ 4	GU 10
	5,2 W on P. 123	max. 35 W	-
	Depth 90/70 mm	Depth 130 mm	-



R5563-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

			
		316 stainless steel	white
round	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

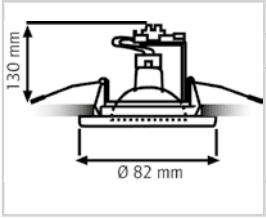




TULKA - 316-st. steel
Recessed downlight, IP55

- 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.
- Bulb replacement by removal of inside ring (clip fitting).
- Hardened, clear glass. Protection class IP 55 when fitted in enclosed ceilings.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

Recessed downlight, 316 stainless steel round, rigid, without clipring, IP55, for ø 50 mm bulbs

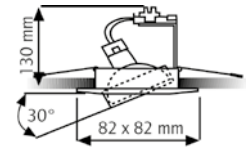


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 20 W Accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



R5569-1

Recessed downlight, 316 stainless steel square, rigid, without clipring, IP55, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 20 W Accessory art. 54995
Depth 65/90 mm	Depth 130 mm	Depth 130 mm



R5566-V4A

ORDERING INFORMATION

			
		316 stainless steel	white
round	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.





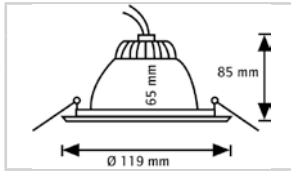
High protection class IP43

- for indoor use, use in damp rooms
- Diecast aluminum recessed downlight
- inside panel with bayonet connection removable for bulb replacement. Protection class IP 43 when fitted in enclosed ceilings.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulbs**

Recessed downlight, IP43 rigid, for pin base



R55909

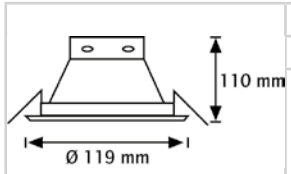


usable bulbs		
LED module	GY6.35	GU 10
-	max. 50 W	-

Recessed downlight, IP43 rigid



R55895



usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W
Depth 125/135 mm	Depth 130 mm	Depth 130 mm

IP 43

ORDERING INFORMATION

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



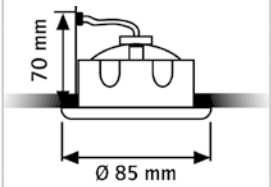
High protection class IP44

Recessed downlight, IP44
rigid, IP44, for ø 50 mm bulbs

- for indoor use, use in damp rooms
- Material: visible panel - diecast aluminum, housing - sheet steel (black), leaf springs
- Front panel completely removable for bulb replacement incl. safety glass matt, dazzle-free.
- Protection class IP 44 when fitted in enclosed ceilings.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulbs**



R55884

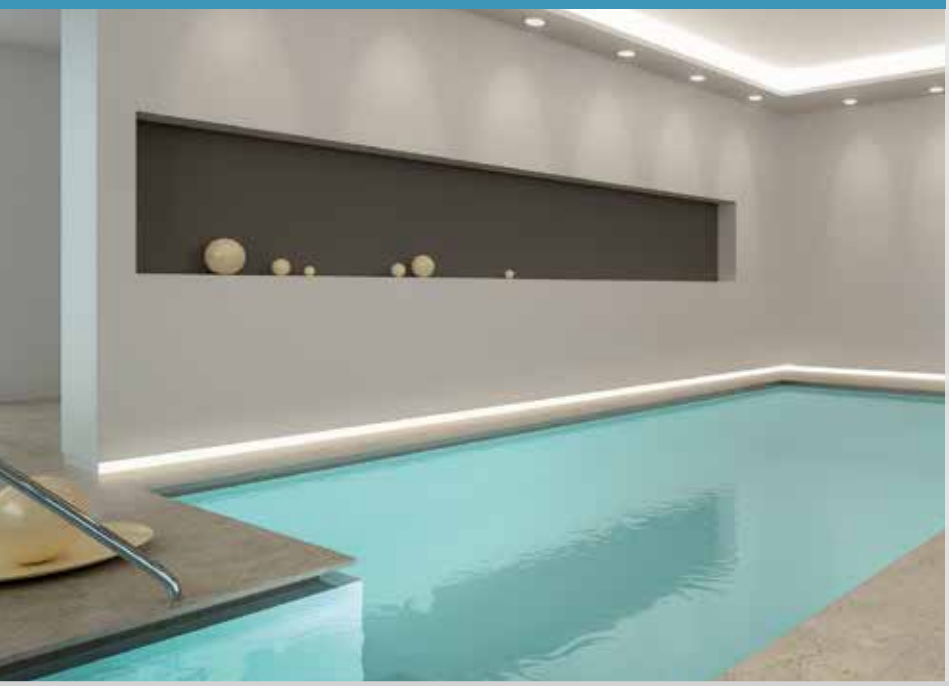


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W from P. 124	max. 50 W	max. 50 W Accessory art. 55003
Depth 90/110 mm	Depth 130 mm	Depth 130 mm

IP 44

ORDERING INFORMATION

										
		white	black	gold	chrome	brushed iron	old brass	graphite	gold matt	chrome matt
R5588	ø 70 mm	R55881	-	R55883	R55884	R55885	-	-	-	R55889

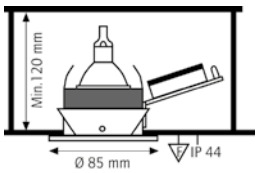


High protection class IP44

- for indoor use, use in damp rooms
- Material: visible panel - diecast zinc-aluminum, housing - sheet steel (black), leaf springs
- Front panel completely removable for bulb replacement, incl. safety glass, dazzle-free.
- Protection class IP 44 when fitted in enclosed ceilings.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E -
- **not including bulbs**


© magann@fotolia.com

Recessed downlight, IP44
circular, rigid, IP44, for ø 50 mm bulbs

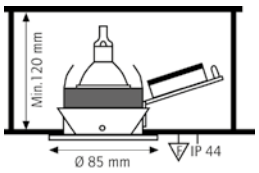


usable bulbs		
LED module	GX 5.3	GU 10
6.2 W 7 W 10 W fom P. 124	max. 50 W	max. 50 W use accessory art. 55003
Depth 105/120 mm	Depth 130 mm	Depth 130 mm



55945

Recessed downlight, IP44
square, rigid, IP44, for ø 50 mm bulbs



usable bulbs		
LED module	GX 5.3	GU 10
6,2 W 7 W 10 W ab. S. 122	max. 50 W	max. 50 W use accessory art. 55003
Depth 105/120 mm	Depth 130 mm	Depth 130 mm



55919

IP 44

ORDERING INFORMATION

										
		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



Recessed downlight, IP65
IP 65, for outdoor use, movable / for ø 50 mm bulbs

Housing and cover in diecast aluminum coated with corrosion-resistant polyester powder coating. Hard and safety glass, thickness 12mm. Matter Aluminum reflector. Cable gland PG9.
Plastic screw fixing with stainless steel screws. Protection class IP65. Bulbs 15° movable.



59659

Stainless steel version in corrosion-resistant stainless steel can be used in sea air areas

Description as above, however panel in corrosion-resistant stainless steel no. 1.4401, X 5 CrNiMo 17-12-2, ASTM Nr. 316 (V4A) for use in sea air areas.

- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- Including base the GZ 10
- **not including bulbs**

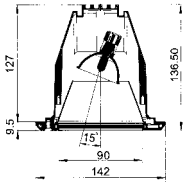


Stainless steel surfaces need regular care. Please do not use acid cleaning products.
We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.

IP 65

ORDERING INFORMATION

	stainless steel
ø 125 mm	59650



usable bulbs		
LED module	GX 5.3	GZ 10
-	-	max. 50 W
Depth = 127 mm	-	Depth = 127 mm



High protection class, IP65

Recessed downlight, IP65 rigid, for ø 35 mm bulbs, frosted glass

Recessed downlight, IP65 rigid, for ø 35 mm bulbs, clear glass

- for indoor use, use in damp rooms
- Protection class IP 65 when fitted in enclosed ceilings.
- Housing and cover ring in diecast aluminum. Bulbs in rigid position.
- Bulb replacement by unscrewing front panel.
- Hardened, matt or clear glass.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

IP 65



55939



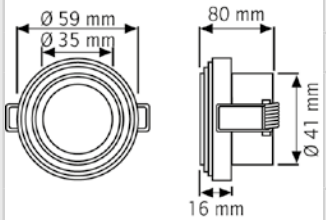
55979

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



ORDERING INFORMATION

		
		Aluminum
Frosted glass	ø 50 mm	55939
Clear glass	ø 50 mm	55979



	usable bulbs	
LED module	GZ 4	GU 10
5.2 W on P. 123	max. 35 W	-
Depth 90 mm	Depth 130 mm	-



Recessed downlight, IP65 rigid, for ø 50 mm bulbs, frosted glass

Recessed downlight, IP65 rigid, for ø 50 mm bulbs, clear glass

- for indoor use, use in damp rooms
- Protection class IP 65 when fitted in enclosed ceilings.
- Housing and cover ring in diecast aluminum. Bulbs in rigid position.
- Bulb replacement by unscrewing front panel.
- Hardened, matt or clear glass.
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**

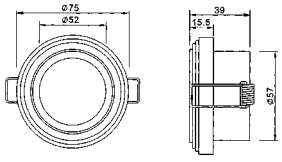
IP 65


55929


55969

ORDERING INFORMATION

		
		Aluminum
Frosted glass	ø 65 mm	55929
Clear glass	ø 65 mm	55969



usable bulbs		
LED module	GZ 4	GU 10
6,2 W 7 W 10 W ab. S. 122	max. 50 W	-
Depth 65/90 mm	Depth 130 mm	-

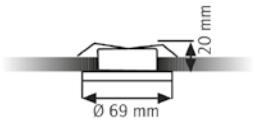


Furniture recessed and surface-mounted downlight



Furniture recessed downlight for pin base

- Material: Steel - aluminum reflector
- Delivery always takes place with 1 clear and 1 matt protective glass.
- VDE tested
- including G 4 base
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



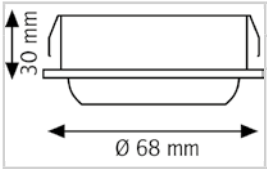
	usable bulbs		
	LED module	G 4	GU 10
	Retrofit G 4	max. 20 W	-



R55013

Furniture recessed downlight movable, for pin base

- Including G4 socket
- Material: Steel - aluminum reflector
- VDE tested
- Luminaire suitable for lamps in energy efficiency classes: A++ to E
- **not including bulb**



	usable bulbs		
	LED module	G 4	GU 10
	LED Retrofit G4	max. 20 W	-



R55041

ORDERING INFORMATION

		 white	 black	 gold	 chrome	 brushed iron	 old brass	 graphite	 gold matt	 chrome matt
rigid	Ø 60 mm	R55011	R55012	R55013	R55014	R55015	-	-	-	R55019
movable	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
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	Socket	Article
0,75 150 mm	FEP-Cable	GZ10	55006
0,75 150 mm	FEP-Cable	GU 10	55010



Tension relief for low voltage halogen lamps

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

For recessed spotlight	Article
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 G-10 halogen lamps

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

For recessed spotlight	Socket	Cable	Article
5537, 5538, 5535, 5547, 5584 5536, 5505, 5509, 5539	GU 10 GZ10	160 mm	55003 55008
5511, 5585	GU 10	160 mm	55007
5503, 57555-57560, 5555, 5567, 5568, 5580, 5581	GU 10	200 mm	54995
57655-57657	GU 10	300 mm	54996

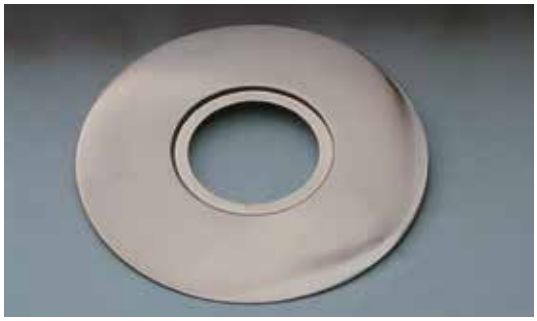


Decorative perforated screen for internal area

with spring shoes*

For recessed spotlight	Colour code	Article
5535, 5537, 5585, 5505, 5584	1, 3, 4, 5, 6, 9	5549 + Colour code

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



Boxes

Installation depth	Diameter	For recessed spotlight	Article
69 mm	53 mm	5534	55420
86 mm	68 mm	5505, 5509, 5515, 5535, 5537, 5547	55430



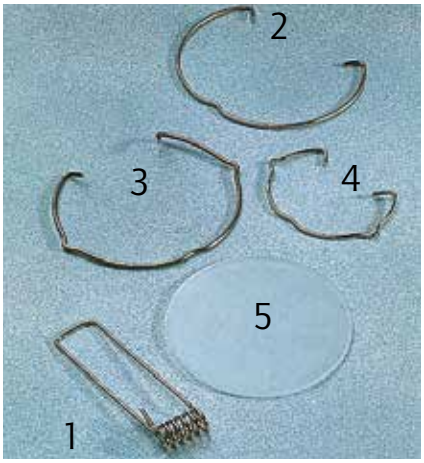
Box for 5511

Installation depth	Diameter	For recessed spotlight	Article
80 mm	63 mm	R5511	55432



Spare parts

Description	Size	For recessed spotlight	Article
1 side spring	50 mm	all	55301
1 side spring	35 mm	all	55307
2 clipring	MR-16	5505, 5506	55302
3 clipring	MR-16	5503, 5584, 5535, 5538, 5539	55303
4 clipring	MR-11	5534, 5583	55304
5 matt panes	2 x 48	5501	99007
Clipring SUS 304		5508, 5509	55312



Article no. 55433 ceiling spacers

Material: polyamide, 25 % glassfibre-reinforced
Colour: black
Temperature range: -20°C to +120°C, short-term up to 140°C
Properties: flame-retardant
VO, 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





Sales promotion



Article no. 10059
Display for
TULKA recessed downlights

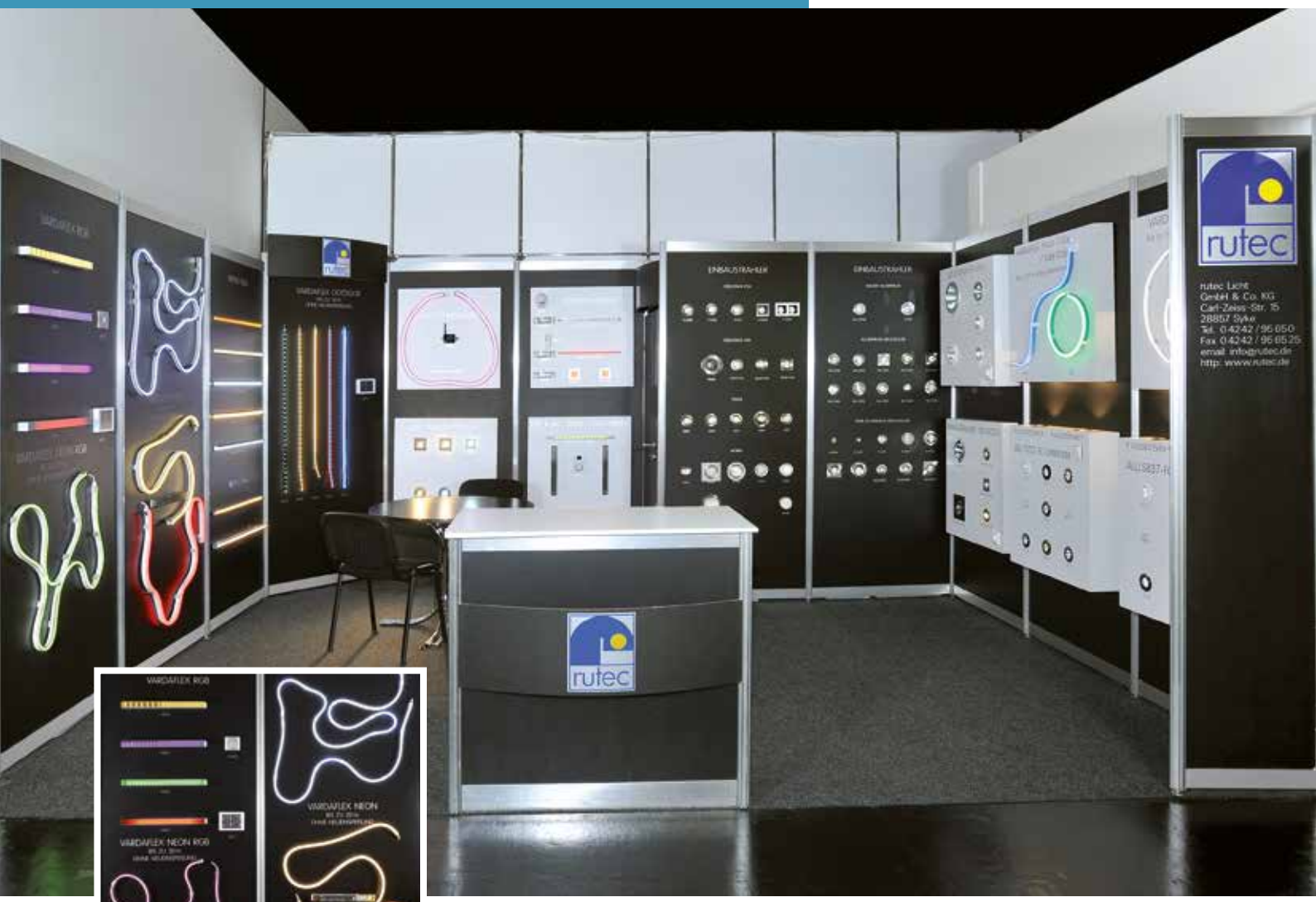


Article no. 10069
Display for
TALU recessed downlights

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.



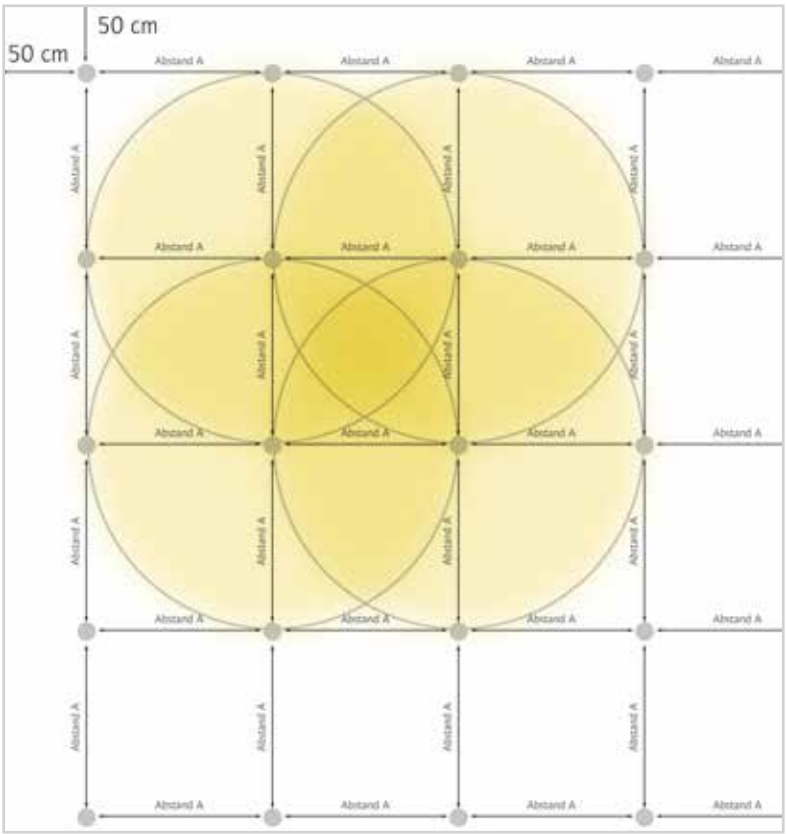
Thus we are a strong partner as well as for your exhibition.

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 bulbs



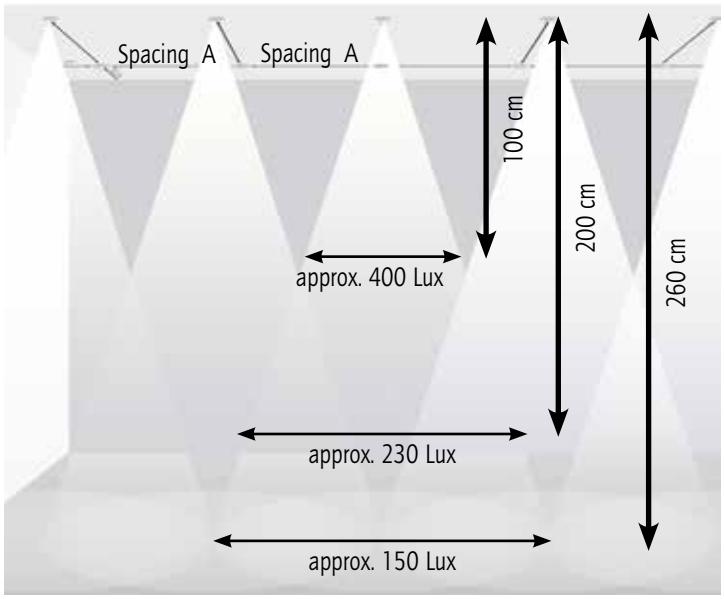
As a basic principle, the grid should start at a distance of 50 cm from the walls. If the dimensions do not allow precise observance of the grid, averages should be made.



How much light in which room?

Guide values for lighting strengths

Lighting plan
based on example of 12 V halogen bulbs





Spacing A (m)	LED module at approx. 40° (mA)	comparable with halogen approx. 40°	E in lx	H in m
0,65	5.2W - 600mA	approx. 20W	approx. 553	1
1,3	5.2W - 600mA	approx. 20W	approx. 138	2
1,95	5.2W - 600mA	approx. 20W	approx. 63	3
0,65	6.2W - 350mA	approx. 50W	approx. 1533	1
1,3	6.2W - 350mA	approx. 50W	approx. 383	2
1,95	6.2W - 350mA	approx. 50W	approx. 171	3
0,65	10W - 350mA	approx. 75W	approx. 2130	1
1,3	10W - 350mA	approx. 75W	approx. 532	2
1,95	10W - 350mA	approx. 75W	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

IPX5 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 5.2W with reflector

REPLACEMENT for LOW-VOLTAGE HALOGEN 20W
230 Lumen

- 1 x Power-LED Bridgelux V6 LED chip, 5.2W
- dimmable
- Light colour: 3000K
- CRI 80
- Lifespan L70: ≥ 50,000 hours
- 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
- Beam angle 40°

Energy efficiency class A+

ORDERING INFORMATION

Type	Power watt	Diameter mm	Length mm	LED Colour	Light flux lumen	Beam angle	Current mA	Art. no.
MR11 module	5.2W	35	55	3000K	230	40°	600	88883

Required accessories

constant current converter 600mA
(see overview on P. 366)



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



Optional accessories

Dimmable constant current converter (see P. 384)



Required accessories

constant current converter 350 mA (see overview on P. 366)



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



Optional accessories

Dimmable constant current converter (see overview on P. 368) please note: power supply may be required



LED MODULE 6.2 W | 50 MM DIAMETER



Power LED MODULE 6.2W

50 mm · with reflector
more than 700 lumens

- 1 x Power-LEDarray Bridgelux (USA) 6.2W
- dimmable
- Light colours:2700K and 3000K
- CRI 80/CRI 90
- Lifespan L70: ≥ 50,000 hours
- for operation with constant current converter 350 mA
- Excellent heat dissipation due to optimised aluminum heatsink
- Aluminum reflector with halogen appearance and uniform light distribution
- Beam angle 38°

CRI 80: Energy efficiency class A++

CRI 90: Energy efficiency class A+

ORDERING INFORMATION

Type	Power watt	Diameter mm	Length mm	LED Colour	Light flux lumen	Beam angle	Current mA	Article no.
MR16 module 3000K - CRI 90	6.2W	50	55	3000K	638	38°	350	88817
MR16 module 2700K - CRI 90	6.2W	50	55	2700K	570	38°	350	88807
MR16 module 3000K - CRI 80	6.2W	50	55	3000K	740	38°	350	88878
MR16 module 2700K - CRI 80	6.2W	50	55	2700K	718	38°	350	88868



Power LED Modul 7W Dim To Warm (DTW)

NEW

50mm - with Reflector

- 1 x Power-LED COB Chip Sharp 7W
- dimmable
- Light colour: 2800K until 2000K (in dimming process the light colour will turn warmer)
- CRI 80
- Lifespan L70: ≥ 50,000 hours
- Input current: 350mA
- Excellent heat dissipation due to optimised aluminum heatsink
- Aluminum reflector with halogen appearance and uniform light distribution
- Beam angle 38°

Energy efficiency class A+

Type	Power watt	Diameter mm	Length mm	LED colour	Light flux lumen	Beam angle	Current mA	Articel no.
DTW	7W	50	55	2800-2000K	max. 520	38°	350	88823

Required accessories

Dimmable constant current converter 350mA (e.g. 85445)



Recessed downlight for MR16 e.g. Art. no. ALU5568, ALU5537, ALU5578



Required accessories

constant current converter 350mA
(see overview on P. 366)



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



Optional accessories

Dimmable constant current converter (see overview on P. 368) please note: power supply may be required



LED MODULE 10 W | 50 MM DIAMETER



Power LED MODULE 10W

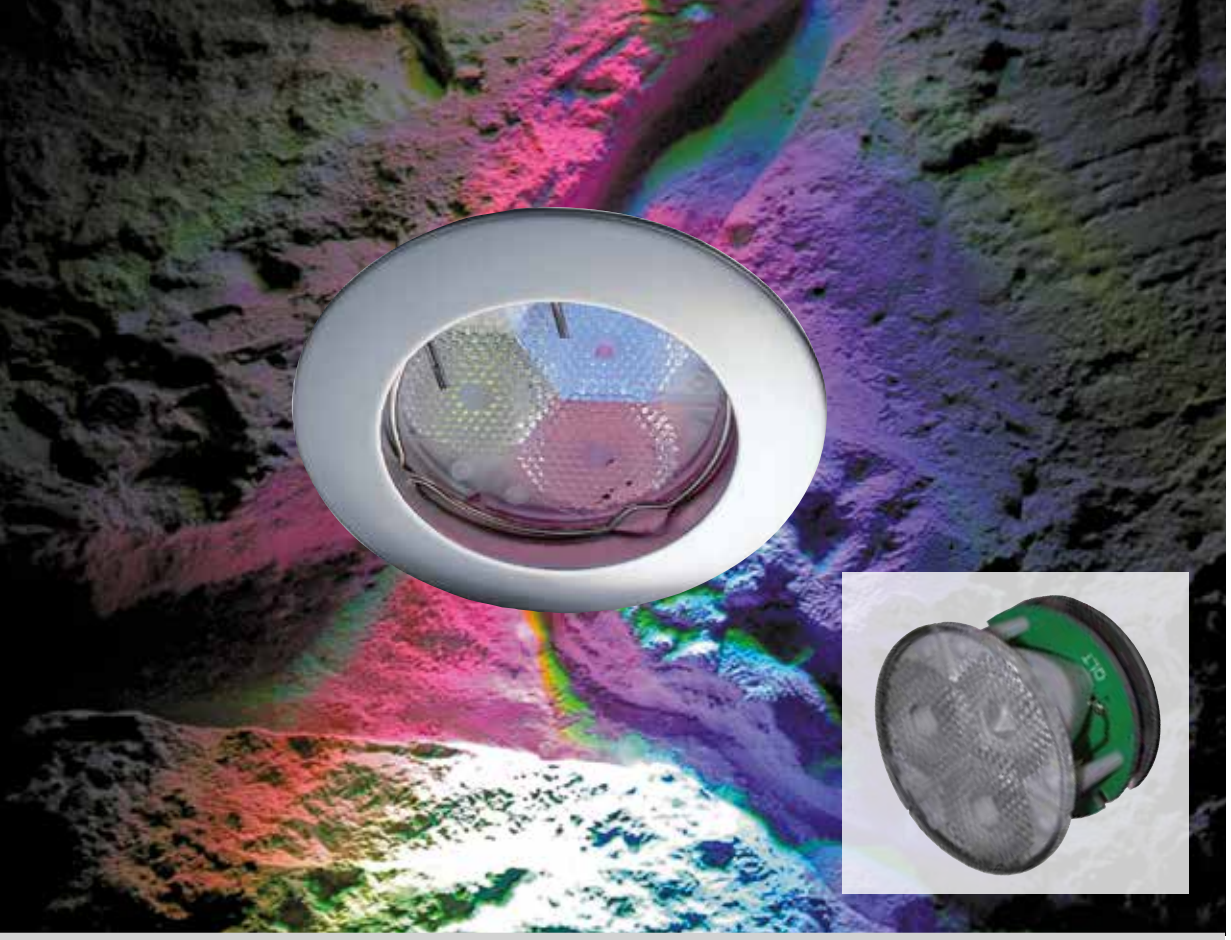
50 mm · with reflector
more than 800 lumens

- 1 x power LED array Bridgelux (USA) 10W watts
- dimmable
- Light colours: 2700K, 3000K
- CRI 80 / CRI 90
- Lifespan L70: ≥ 50,000 hours
- for operation with constant current converter 350 mA
- Excellent heat dissipation due to optimised aluminum heatsink
- Aluminum reflector with halogen appearance and uniform light distribution
- Beam angle 43° and 60°

Energy efficiency class A+

ORDERING INFORMATION

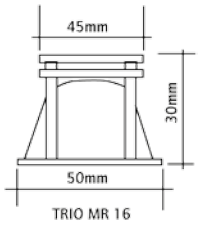
Type	Power wattw	Diameter mm	Length mm	LED Colour	Light flux lumen	Beam angle	Current mA	Article no.
MR16 module 2700K - CRI 80	10W	50	70	2700K	996	43°	350	88869
MR16 module 3000K - CRI 80	10W	50	70	3000K	1005	43°	350	88879
MR16 module 2700K - CRI 90	10W	50	70	2700K	838	43°	350	88809
MR16 module 3000K - CRI 90	10W	50	70	3000K	887	43°	350	88819
MR16 module 2700K - CRI 90	10W	50	70	2700K	838	60°	350	88808
MR16 module 3000K - CRI 90	10W	50	70	3000K	905	60°	350	88818



RGB LED-Spot - Trio Color Red, Green, Blue

Power RGB LED-Spot · 3 x 1 W LUXEON · 350 mA

- Lumen output 117...150 lumens
- available lens beam angles: tight, medium and wide-angle
- 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 bulb with the exception of the following types:
5506, 5536, 5550, 5586 and 5588

series connection

Energy efficiency class A

ORDERING INFORMATION

LED Colour	Diameter mm	Length mm	Beam angle	Current mA	Article no.
Red, green, blue	50	30	12°	350	88763
Red, green, blue	50	30	30°	350	88764
Red, green, blue	50	30	45°	350	88765

Required accessories

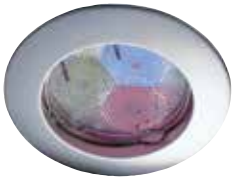
LED power ballast



and
RGB / DMX controller
(see overview on P. 382)



Recessed downlight

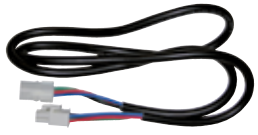


Optional accessories

Touchpanels (from P. 435)
Please note: power supply required



connection cable
Art. no. 88786



Required accessories

constant current converter 700mA (see overview on P. 366) e.g. 85430



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



Optional accessories

Dimmer (see overview on P. 382) please note: power supply required



LED MODULE 13 W | 111 MM DIAMETER



1 x power LED array 13 watts

111 mm · 13W with reflector for recessed spotlight more than 900 lumens

- 1 x power LED array Bridgelux (USA)
- Light colour: 3000K
- Lifespan L70: ≥ 50,000 hours
- for operation with constant current converter 700 mA
- Aluminum reflector with uniform light distribution, beam angle 24°
- Including 20 cm connection cable with plug and socket
- **Not including constant current converter**

series connection RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Power watts	Diameter mm	Length mm	LED Colour	Light flux lumens	Beam angle	Current mA	Article no.
13	111	70	3000K	960	24°	700	88897



1 x power LED array 18 watts

111 mm · 18W with reflector
more than 1700 lumens

- 1 x power LED array Bridgelux (USA)
- Light colour: 3000 K (± 100 K)
- Lifespan L70: ≥ 50,000 hours
- for operation with constant current converter 500 mA
- Excellent heat dissipation due to optimised aluminum heatsink
- Aluminum reflector with uniform light distribution, beam angle 40°
- including 15 cm connection cable with plug and socket
- **Not including constant current converter**

Energy efficiency class A+

Power watts	Diameter mm	Length mm	LED Colour	Light flux lumens	Beam angle	Current mA	Article no.
18 W	111	66	ca. 3000K	1700	40°	500	88810

Required accessories

constant current converter 500mA (DALI Art. No. 80790, Page 422)



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







Floor recessed spotlight

Kementari LED floor recessed spotlights stand out due to the high quality of their materials and processing. The range is exceptionally versatile and has a range of applications from indoor use as a parquet spotlight, outdoor use as a terrace spotlight, trafficable floor recessed spotlights up to underwater spotlights.



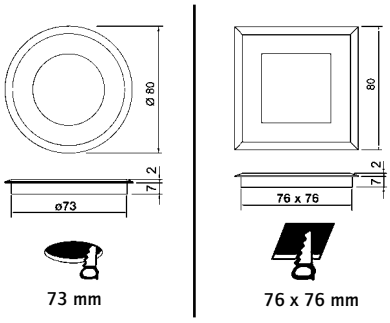
Kementari SF - Article no. 5915 colour code

Kementari SFQ - Article no. 5916 colour code

Kementari SF + SFQ

Parquet inground spotlight IP67

- Zinc-aluminum floor inground spotlight, plastic lighting surface
- **Kementari SF: 6 SMD LEDs, 0.5W.**
  Input voltage 12 V DC
- **Kementari SFQ: 12 SMD LEDs, 1 W.**
  Input voltage 12 V DC
- uniform light surface through side illumination
- Lifespan L70: ≥ 30,000 hours
- very low installation depth of only 7mm.
- suitable for parquet and other floorings
- accepts loads of up to 100 Kg
- incl. 2 m connection cable and TOP plug



73 mm

76 x 76 mm

IP 67

Parallel

RoHS

REACH

ORDERING INFORMATION

Colour code	Outer diameter mm	Installation diameter mm	Installation depth mm	LED colour	Article no.
Chrome	80	73	7	white	59150
Chrome	80	73	7	warm white	59151
Chrome	80	73	7	blue	59155
Chrome	80x80	76x76	7	warm white	59161
Chrome	80x80	76x76	7	blue	59165

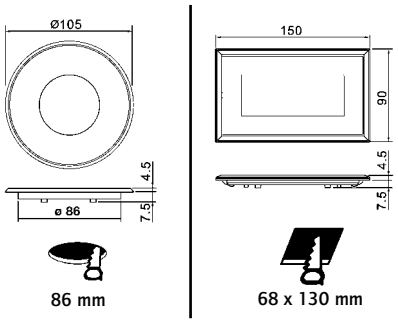


Kementari F - Article no. 5917 colour code

Kementari FQ - Article no. 5918 colour code

Kementari F + FQ

- Plastic floor inground spotlight with stainless steel front panel, light surface in plastic
- **Kementari F: 6 SMD LEDs, 0.5W. Input voltage 12 V DC**
- **Kementari FQ : 12 SMD LEDs, 1 W. Input voltage 12 V DC**
- uniform light surface through side illumination
- Lifespan L70: ≥ 30,000 hours
- very low installation depth of only 8mm.
- suitable for parquet and other floorings
- accepts loads of up to 100 Kg
- incl. 2 m connection cable and TOP plug



IP 67

Colour code	Outer diameter mm	Installation diameter mm	Height	Installation depth mm	LED colour	Article no.
stainless	105	86	-	8	white	59170
stainless	105	86	-	8	warm white	59171
stainless	105	86	-	8	blue	59175
stainless	150x90	130x68	4,5	8	blue	59185

Required accessories

LED power ballast
(see overview on P. 356)



Feed cable splitter
LED feed cable 1.8m + plug
Art. no 59190



Optional accessories

Distributor LED distributor
2-fold Art. no 59191



LED distributor 6-fold
150 mm cable
Art. no 59192



LED distributor 9-fold
150 mm cable
Art. no 59193

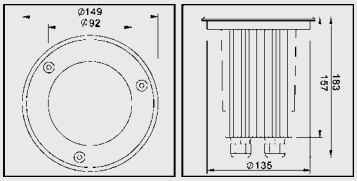






Stainless steel surfaces need regular care. Please do not use acid cleaning products. We recommend our article 55317 (surface cleaner) and article 55316 (sponge) for cleaning.





Kementari L

Inground spotlight IP 67 incl. 10W power LED module and converter or GU10 bulb up to 50W (not included)

- Housing in diecast aluminum, coated with corrosion-resistant polyester powder coating
- Front panel in corrosion-resistant V4A stainless steel no. 1.4401, X 5 CrNiMo 17-12-2. ASTM No. 316
- hardened safety glass, thickness 10 mm
- bulb adjustable 30° for symmetrical and asymmetrical light distribution (except 59057)
- Cable gland M16
- 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 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

IP 67

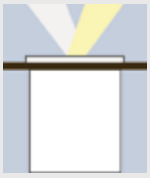
ORDERING INFORMATION

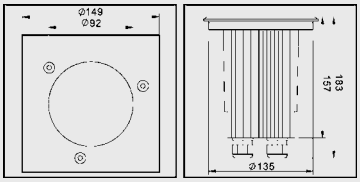
Spotlight	bulbs	watt	ø mm	LED colour	Beam angle	Light intensity lm	Lifespan L70	Article no.	Energy efficiency
Kementari L	diverse GU10	-	50	-	-	-	-	59050	A++ to E
Kementari L 10W	LED	10	50	approx. 3000 K	65°	591	≥ 30.000 hours	59057	A

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 IP 67 incl.10 W power LED MODULE and converter or GU10 bulb up to 50W (not included)

- Housing in diecast aluminum, coated with corrosion-resistant polyester powder coating
- Front panel in corrosion-resistant V4A stainless steel no. 1.4401, X 5 CrNiMo 17-12-2. ASTM No. 316
- hardened safety glass, thickness 10 mm
- bulb adjustable 30° for symmetrical and asymmetrical light distribution (except 59067)
- Cable gland M16
- 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 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

IP 67

ORDERING INFORMATION

Spotlight	bulbs	watt	ø mm	LED colour	Beam angle	Light intensity lm	Lifespan L70	Article no.	Energy efficiency
Kementari LQ	diverse GU10	-	50	-	-	-	-	59060	A++ to E
Kementari LQ 10W	LED	10	50	approx. 3000 K	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 (12/24V 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. The average LED service life is 50,000 hours.

White LED Light - Binning

LEDs have a forward voltage of 2.3 to just under 4V 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: "Ultra warm white (UWW)" from 2300 to 2900 K, „Warm white (WW)" from 3000 to 3500 K°, „neutral white (NW)" from 3600 to 4500 K° and „white" (W) from 4600 to 8000 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 90. Do make a note in this respect of our LED Strips - VARDAflex CRI95 (Pages 132 and 142).

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 25W. 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.

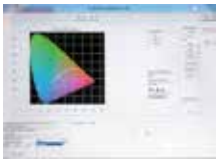
Light Flux Tester for LED with 210 mm Integrating Sphere

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/(IP 20) from Page 142
- Outdoor/(IP 65/68) from Page 192

LUMINOUS INTENSITY
(in lumen per metre run) - also see Page 141 Brightness comparison

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

PROFILE - also see Page 300 Alu profiles overview
(Recommendation for indirect lighting: flat profile + clear cover)
(Recommendation for direct lighting: deep profile + matted cover)

- Without profile (LED strip <= 14.4W/m)
- Dust protection (corresponding Profile+clear cover)
- Cooling (LED strip >= 14.4 W/m)

OPERATION METHOD

- Switch-enabled (ON / OFF)
  - Power supply - Page 356
- Can be regulated (e.g. radio; KNX; DMX; DALI)
  - Power supply unit + controller-Page 386 (e.g. radio frequency; KNX; DMX; DALI)



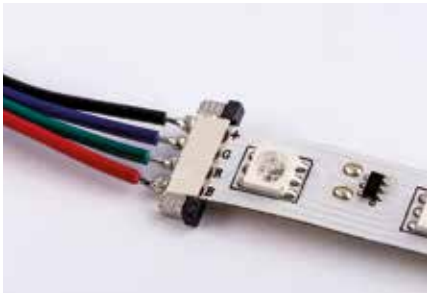
Easy Installation

VARDAflex soldering-free plug-in system

Installing strips for interior use



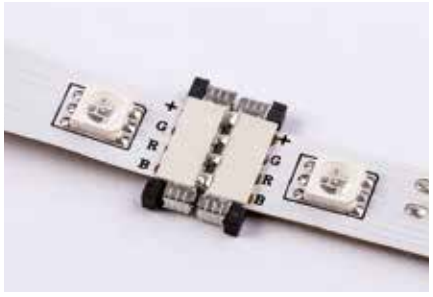
Easy shortening to required length at the prepared points



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



Easy, solder-free attaching with the Profi inductor / flex connector



Easy, solder-free connection of several strips with the direct connector



Easy, solder-free connection of several strips with the Profi direct connector



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 68308 / 68309 single-colour/RGB



or: Use screw-on fastenings to install the strips

The corresponding catalogue pages have additional information and details on all the accessories. Do note: Particularly high-capacity 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.

Brightness Comparison /Installation Instructions

VARDAflex Strips

	372 lm/m	**420** lm/m	**744** lm/m	**744** lm/m	**840** lm/m	**1334** lm/m	**1428** lm/m	**1584** lm/m	**2101** lm/m	**2232** lm/m	**2340** lm/m	**2678** lm/m	**3300** lm/m
Strip	VARDAflex	VARDAflex Outdoor	VARDAflex Mini	VARDAflex Plus	VARDAflex Outdoor Plus	VARDAflex Plus Profi	VARDAflex Double	VARDAflex Para	VARDAflex Triple	VARDAflex Double Profi	VARDAflex High Eco	VARDAflex Ultra	VARDAflex High Performance
Application	Accent		Addition			Base lighting							
No. of LEDs	60LED/m	30LED/m	120LED/m	120LED/m	60LED/m	120LED/m	120LED/m	240LED/m	204LED/m	120LED/m	120LED/m	120LED/m	36LED/m
Power	4.8W/m	6W/m	9.6W/m	9.6W/m	12W/m	14.4W/m	19.2W/m	19.2W/m	24.5W/m	21.46W/m	28.8W/m	19,8W/m	36W/m
Volt	12+24V	24V	12V	12+24V	24V	12V	12+24V	24V	12V	12+24V	12V	12V	24V
Profile needed	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Indoor	P. 142	-	P. 176	P. 146	-	P. 150	P. 152	P. 156	P. 160	P.162	P. 164	P. 158	P. 166
Outdoor	P. 202/204	P. 208	-	P. 202/206	P. 210	-	-	-	-	-	-	-	-

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.
- Do not exceed the 20 mm bending radius.
- 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 24V 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

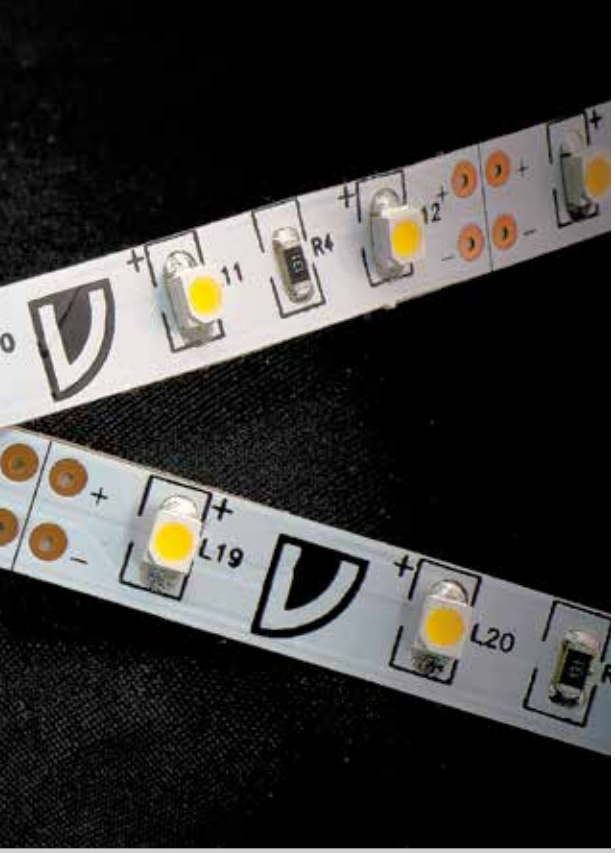
Flexible LED strip with self-adhesive back, for indoor use, single-colour

- **4.8W, 60 LED, 372 lm (WW) per metre**
- **Cuttable every 5 cm or 3 LEDs (24 Volt: cuttable every 10 cm or 6 LEDs)**
- LED spacing: 16 mm (300 LED)
- 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 x in-feeder, 1 x direct connector
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.	Energy efficiency class
Red	5	8	2.5	300	0.9	120°	12	2	24	88540	B
Yellow	5	8	2.5	300	1.1	120°	12	2	24	88541	B
Blue	5	8	2.5	300	1.6	120°	12	2	24	88542	B
Green	5	8	2.5	300	4.1	120°	12	2	24	88543	A
W approx. 6500K	5	8	2.5	300	7	120°	12	2	24	88544	A+
W approx. 5000K	5	8	2.5	300	6.9	120°	12	2	24	88349	A+
NW approx. 4000K	5	8	2.5	300	6.8	120°	12	2	24	88348	A+
WW approx. 3000K	5	8	2.5	300	6.2	120°	12	2	24	88545	A
UWW approx. 2700K	5	8	2.5	300	6.2	120°	12	2	24	88345	A
W approx. 6500K	5	8	2.5	300	7	120°	24	1	24	86544	A+
W approx. 5000K	5	8	2.5	300	6.9	120°	24	1	24	86349	A+
NW approx. 4000K	5	8	2.5	300	6.8	120°	24	1	24	86348	A+
WW approx. 3000K	5	8	2.5	300	6.2	120°	24	1	24	86545	A
UWW approx. 2700K	5	8	2.5	300	6.2	120°	24	1	24	86345	A

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







Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)

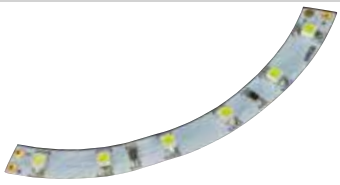


All aluminum profiles
Upwards of 8 mm inside dimension (also see overview on Page 300)



FITTING ACCESSORIES

Profi in-feeder	Profi direct connector	Flex connector single Profi
		

LED curve plus outside (optional)	Angle section plus outside (optional)	Angle section minus outside (optional)
		

Accessories	Article no.
In-feeder single Profi	86536
Direct connector single Profi	86538
Flex connector single Profi with 150 mm of lead wire	86534

Accessories	Volt DC	Colour	Article no.
LED curve 90°	12 V	W approx. 6500K	88659
LED curve 90°	12 V	WW approx. 3000K	88660
LED curve 90°	12 V	UWW approx. 2700K	88651

Accessories	Volt DC	Colour	Plus outside Article no.	Minus outside Article no.
LED angle section	12 V	Red	88652	88662
LED angle section	12 V	Yellow	88653	88663
LED angle section	12 V	Blue	88654	88664
LED angle section	12 V	Green	88655	88665
LED angle section	12 V	W approx. 6500K	88656	88666
LED angle section	12 V	WW approx. 3000K	88657	88667
LED angle section	24 V	W approx. 6500K	86656	86666
LED angle section	24 V	NW approx. 4000K	86659	86669
LED angle section	24 V	WW approx. 3000K	86657	86667
LED angle section	24 V	UWW approx. 2700K	86658	86668

ATTENTION! Colour temperature can vary



VARDAFLEX CRI95

Flexible LED strip with high colour rendering CRI95 with self-adhesive back, for indoor use, single-colour

- **4.8W, 60 LED, 342 lm (WW) per metre**
- **Cuttable every 5 cm or 3 LEDs (24 Volt: cuttable every 10 cm or 6 LEDs)**
- Flexible LED strip with self-adhesive back
- LED spacing: 16 mm
- 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 x in-feed connectors, 1 x direct connector
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

LED-Colour WW: Energy efficiency class A

LED-Colour W: Energy efficiency class A+

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
CRI95	W approx 6500K	5	8	2,5	300	5,7	120°	12	2	24	88414
CRI95	WW approx 3000K	5	8	2,5	300	5,7	120°	12	2	24	88415
CRI95	W approx 6500K	5	8	2,5	300	5,7	120°	24	1	24	86414
CRI95	WW approx3000K	5	8	2,5	300	5,7	120°	24	1	24	86415

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



Required accessories

LED power supply
(see overview on Page 356)

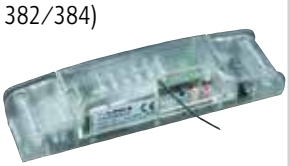


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)



FITTING ACCESSORIES

Profi in-feeder	Profi direct connector	Flex connector single Profi
		

Accessories	Article no.
In-feeder single Profi	86536
Direct connector single Profi	86538
Flex connector single Profi with 150 mm of lead wire	86534



VARDAFLEX Plus

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

- **9.6W, 120 LED, 744 lm (WW) per metre**
- Twice the number of LEDs
- **Cuttable every 2.5 cm or 3 LEDs (24 Volt: cuttable every 5 cm or 6 LEDs)**
- LED spacing: 8 mm (600 LED)
- 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 x in-feed connectors, 1 x direct connector
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

LED Colour W/NW
Energy efficiency class A+

LED Colour WW/UWW
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Plus	W approx. 6500K	5	8	2.5	600	7	120°	12	4	48	88144
Plus	W approx. 5000K	5	8	2.5	600	6.8	120°	12	4	48	88319
Plus	NW approx. 4000K	5	8	2.5	600	6.8	120°	12	4	48	88318
Plus	WW approx. 3000K	5	8	2.5	600	6.2	120°	12	4	48	88145
Plus	UWW approx. 2700K	5	8	2.5	600	6.2	120°	12	4	48	88315
Plus	W approx. 6500K	5	8	2.5	600	7	120°	24	2	48	86144
Plus	W approx. 5000K	5	8	2.5	600	6.8	120°	24	2	48	86319
Plus	W approx. 4000K	5	8	2.5	600	6.8	120°	24	2	48	86318
Plus	WW approx. 3000K	5	8	2.5	600	6.2	120°	24	2	48	86145
Plus	UWW approx. 2700K	5	8	2.5	600	6.2	120°	24	2	48	86315

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



FITTING ACCESSORIES

In-feeder	Direct connector (optional)
	

Accessories	Article no.
In-feeder single	88536
Direct connector single	88538
Flex connector single with 150 mm of lead wire	88534

Required accessories

LED power supply
(see overview on Page 356)

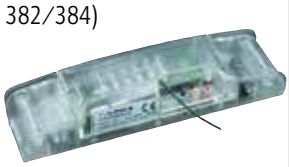


CAUTION:

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

Optional accessories

Dimmer
Article no. 80475, 89450, 80474
(see overview on Page 382/384)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX Plus CRI 90

Flexible LED strip with high colour rendering CRI90 with self-adhesive back, for indoor use, single-colour

- **9.6W, 120 LED, 744 lm (WW) per metre**
- Twice the number of LEDs
- **cuttable every 5 cm or 6 LEDs)**
- LED spacing: 8 mm (600 LED)
- 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 x in-feed connectors, 1 x direct connector
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

LED Colour UWW

Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Plus CRI90	UWW approx. 2700K	5	8	2.5	600	6.2	120°	24	2	48	86437

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



FITTING ACCESSORIES

In-feeder	Direct connector (optional)
	

Accessories	Article no.
In-feeder single	88536
Direct connector single	88538
Flex connector single with 150 mm of lead wire	88534

Required accessories

LED power supply
(see overview on Page 356)

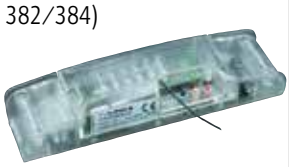


CAUTION:

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

Optional accessories

Dimmer
Article no. 80475, 89450, 80474
(see overview on Page 382/384)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX Plus Profi

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

- **14.4W, 60 LED, 1334 lm (3000K) per metre**
- **Cuttable every 5 cm or 3 LEDs**
- Neutral white, warm white and ultra warm white: 300 LED, L 5000 x B 10 x H 1.6
- LED spacing: 16mm
- 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 x in-feed connectors, 1 x direct connector
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

3000 + 4000K Energy efficiency class A+

2700K Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Plus Profi	NW approx. 4000K	5	10	1.6	300	24.07	120°	12	6	72	88138
Plus Profi	WW approx. 3000K	5	10	1.6	300	22.23	120°	12	6	72	88135
Plus Profi	UWW approx. 2700K	5	10	1.6	300	17.99	120°	12	6	72	88137



nancy10@fotolia.com

FITTING ACCESSORIES

In-feeder



Accessories	Article no.
In-feeder single	88552

Required accessories

LED power supply
(see overview on Page 356)

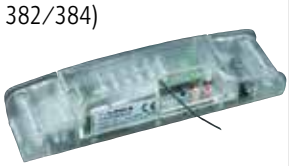


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX Double

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

- **19.2W, 120 LED, 1428 lm (WW) per metre**
- Twice the number of LEDs
- **Cuttable every 2.5 cm or 3 LEDs (24 Volt: cuttable every 5 cm or 6 LEDs)**
- LED spacing: 8 mm (600 LED)
- Easy installation due to solder-free connectors
- **Maximum length per connection: 8 metres. Feed in anew for longer lengths.**
- Scope of delivery: 5 metre roll, 5 x in-feed connectors, 1 x direct connector
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

LED Colour W/NW
Energy efficiency class A+

LED Colour WW/UWW
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Double	W approx. 6500K	5	10	2	600	14.9	120°	12	8	96	88554
Double	NW approx. 4000K	5	10	2	600	14.9	120°	12	8	96	88358
Double	WW approx. 3000K	5	10	2	600	11.9	120°	12	8	96	88555
Double	UWW approx. 2700K	5	10	2	600	12.5	120°	12	8	96	88355
Double	W approx. 6500K	5	10	2	600	14.9	120°	24	4	96	86554
Double	NW approx. 4000K	5	10	2	600	14.9	120°	24	4	96	86358
Double	WW approx. 3000K	5	10	2	600	11.9	120°	24	4	96	86555
Double	UWW approx. 2700K	5	10	2	600	12.5	120°	24	4	96	86355





Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)

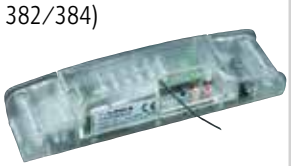


CAUTION:

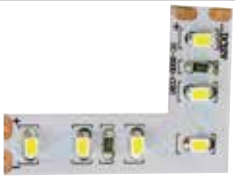
Use power supply units with PFC upwards of 25W!
E.g. our power supply units with active PFC

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



FITTING ACCESSORIES

In-feeder	Direct connector (optional)	Tee (optional)
		
Angle section plus outside (optional)	**Angle section minus outside (optional)**	
		

Accessories	Volt DC	Colour	Article no.
LED tee	12 V	White approx. 6500K	88557
LED tee	12 V	WW approx. 3000K	88558
LED angle section plus outside	12 V	White approx. 6500K	88645
LED angle section minus outside	12 V	White approx. 6500K	88647
LED angle section plus outside	12 V	WW approx. 3000K	88646
LED angle section minus outside	12 V	WW approx. 3000K	88648
LED angle section plus outside	24 V	White approx. 6500K	86686
LED angle section minus outside	24 V	White approx. 6500K	86696
LED angle section plus outside	24 V	WW approx. 3000K	86687
LED angle section minus outside	24 V	WW approx. 3000K	86697
LED angle section plus outside	24 V	UWW approx. 2700K	86688
LED angle section minus outside	24 V	UWW approx. 2700K	86698

ATTENTION! Colour temperature can vary

Accessories	Article no.
In-feeder single	88552
Direct connector single	88553



VARDAFLEX Double CRI95

Very bright LED strip with high colour rendering CRI95 with self-adhesive back, for indoor use, single-colour

- **19.2W, 120 LED, 1104 lm (WW) per metre**
- **Cuttable every 2.5 cm or 3 LEDs (24 Volt: cuttable every 5 cm or 6 LEDs)**
- 600 LED, LED spacing: 8 mm
- Easy installation due to solder-free connectors
- **Maximum length per connection: 8 metres Feed in anew for longer lengths.**
- Scope of delivery: 5 metre roll, 5 x in-feed connectors, 1 x direct connector
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

6500 K Energy efficiency class A+

3000 K Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Double CRI95	W approx. 6500K	5	10	2	600	11.3	120°	12	8	96	88424
Double CRI95	WW approx. 3000K	5	10	2	600	9.2	120°	12	8	96	88425
Double CRI95	W approx. 6500K	5	10	2	600	11.3	120°	24	4	96	86424
Double CRI95	WW approx. 3000K	5	10	2	600	9.2	120°	24	4	96	86425

Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)

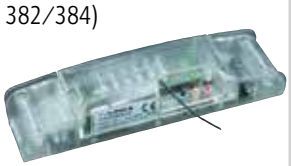


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



FITTING ACCESSORIES

In-feeder	Direct connector (optional)
	

Accessories	Article no.
In-feeder single	88552
Direct connector single	88553



VARDAFLEX Para

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

- **19.2W, 240 LED, 1584 lm (WW) per metre**
- Two rows of LEDs parallel
- **Cuttable every 5 cm or 12 LEDs**
- LED spacing: 8 mm
- 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-feed connectors, 1 Direct connector
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

6500 K
Energy efficiency class A+

2700 / 3000 K
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Para	W approx. 6500K	5	16	2.5	1200	6.9	120°	24	4	96	86404
Para	WW approx. 3000K	5	16	2.5	1200	6.6	120°	24	4	96	86405
Para	UWW approx. 2700K	5	16	2.5	1200	6.3	120°	24	4	96	86407

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

Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 16 mm inside dimension (also see overview on Page 300)

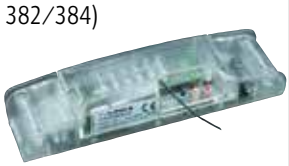


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



FITTING ACCESSORIES

In-feeder	Direct connector (optional)
	

Accessories	Article no.
In-feeder	86006
Direct connector	86007



VARDAFLEX Ultra

NEW

Very bright flexible LED strip with self-adhesive back, for indoor use, single-colour

- **19.8W, 120 LED, 2678 lm (WW) per metre**
- **Cuttable every 33.3 cm or 4 LEDs**
- LED spacing: 8.3 mm (360 LED)
- Easy installation due to solder-free connectors
- **Maximum length per connection: 3 metres. Feed in anew for longer lengths.**
- Scope of delivery: 3 metre roll
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A++

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Ultra	WW approx. 3000 K	3	10	1.3	360	22.32	120°	12	4.95	59.4	88295
Ultra	UWW approx. 2700 K	3	10	1.3	360	18.5	120°	12	4.95	59.4	88297
Ultra	NW approx. 4000 K	3	10	1.3	360	23.64	120°	12	4.95	59.4	88298

Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 16 mm inside dimension (also see overview on Page 300)

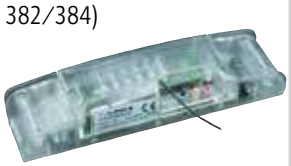


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





VARDAFLEX Triple

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

- **24.5W, 204 LED, 2101 lm (3000K) per metre**
- **Cuttable every 1.5 cm or 3 LEDs**
- Neutral white, warm white and ultra warm white
- LED spacing: 5 mm
- **Maximum length per connection: 3 metres**
  Feed in anew for longer lengths.
- Scope of delivery: 3 metre roll
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A+

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Triple	NW approx. 4000K	3	10	2	612	10.8	120°	12	6.13	73.5	88158
Triple	WW approx. 3000K	3	10	2	612	10.3	120°	12	6.13	73.5	88155
Triple	UWW approx. 2700K	3	10	2	612	9.2	120°	12	6.13	73.5	88157

Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)

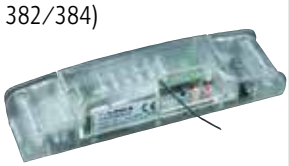


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





VARDAFLEX Double Profi

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

- **25 W, 120 LED, 2232 lm per metre**
- **12 Volt: cuttable every 2.5 cm or 3 LEDs, 24 Volt: cuttable every 5 cm or 6 LEDs**
- LED spacing: 8.5 mm
- Easy installation due to solder-free connectors
- **Maximum length per connection: 3 metres. For longer lengths feed in again.**
- Scope of delivery: 3 metre roll, 5 in-feed connectors
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A+

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Double Profi	UWW approx.2700K	3	10	1.6	360	18.6	120°	12	6.25	75	88127
Double Profi	UWW approx. 2700K	3	10	1.6	360	19.5	120°	24	3.125	75	86127



Kirche St. Magnus

FITTING ACCESSORIES

In-feeder	Direct connector (optional)
	

Accessories	Article no.
In-feeder single	88552
Direct connector	88553

Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)

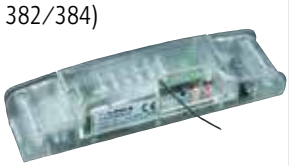


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





VARDAFLEX High Eco

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

- **28.8W, 120 LED, 2340 lm (3000K) pre metre**
- **Cuttable every 2.5 cm or 3 LEDs**
- **ATTENTION: This strip can only be soldered every 50 cm on surface side or every 2,5 cm 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.**
- Neutral white, warm white and ultra warm white
- Spacing: 16mm
- **Maximum length per connection: 3 metres Feed in anew for longer lengths.**
- Scope of delivery: 3 metre roll
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A

ORDERING INFORMATION

Type Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
High Eco NW approx. 4000K	3	10	1.5	360	22	120°	12	7.2	86.4	88198
High Eco WW approx. 3000K	3	10	1.5	360	19.5	120°	12	7.2	86.4	88195
High Eco UWW approx. 2700K	3	10	1.5	360	22.9	120°	12	7.2	86.4	88197



Kirche in Grohn

Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)

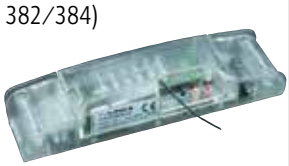


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





VARDAFLEX High Performance

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

- **36W, 36 LED, 3516 lm (3000K) per metre**
- **Cuttable every 8,33 cm or 3 LEDs**
- Neutralwhite, warm white and ultra warm white
- LED spacing: 16mm
- **Maximum length per connection: 2 metres Feed in anew for longer lengths.**
- Scope of delivery: 2 metre roll
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A+

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
High Performance	NW approx. 4000K	2	10	2	72	102	120°	24	3	72	86818
High Performance	WW approx. 3000K	2	10	2	72	97,7	120°	24	3	72	86815
High Performance	UWW approx. 2700K	2	10	2	72	92,9	120°	24	3	72	86817
High End	NW approx. 4000K	2	10	2	72	99	120°	24	3,2	76,8	86854

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



© Squashcenter Achim

FITTING ACCESSORIES

In-feeder



Accessories	Article no.
In-feed connector	88552

Required accessories

LED power supply
(see overview on Page 356)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)

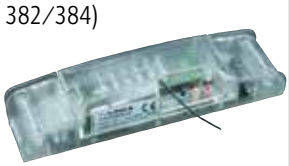


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





VARDAflex RGB

VARDAFLEX RGB/RGB Double

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

- **RGB: 7.2W, 30 LED, max. 131 lm per metre**
- **RGB Double: 14.4W, 60 LED, max. 262 lm per metre**
- **RGB 12 Volt Cuttable every 10 cm or 3 LEDs**
  RGB 24 Volt: Cuttable every 16.5 cm or 5 LEDs,
  RGB Double 12 Volt Cuttable every 5 cm or 3 LEDs
  RGB Double 24 Volt: Cuttable every 10 cm or 6 LEDs,
- LED spacing: RGB: 33 mm (150 LED)
  RGB Double: 16 mm (300 LED)
- **Maximum length per connection: 10 metres (RGB Double: 8 metres).**
  Feed in anew for longer lengths.
- Easy installation due to solder-free connectors
- Scope of delivery: 5 metre roll, 5 x in-feeder, 1 direct connector
- **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	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
RGB - 12 Volt	5	10	2	150	max. 4.36	120°	12	3	36	88546
RGB Double - 12 Volt	5	10	2	300	max. 4.36	120°	12	6	72	88556
RGB - 24 Volt	5	10	2	150	max. 4.36	120°	24	1.5	36	86546
RGB Double - 24 Volt	5	10	2	300	max. 4.36	120°	24	3	72	86556





Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

RGB controller e.g.
Article no. 80460
(see overview on Page 382/384)



FITTING ACCESSORIES

In-feeder Profi	Flex connector RGB Profi
	

Direct connector Profi	Angle section Plus Outside (optional)	Angle section Minus Outside (optional)
		

Accessories	Article no.
In-feeder RGB Profi	86533
Direct connector RGB Profi	86539
Flex connector RGB Profi with 150 mm of lead wire	86535

Accessories	Volt DC	Colour	Plus outside Article no.	Minus outside Article no.
LED angle section for 88546	12 V	RGB	88658	88668

Optional accessories

Repeater
Article no. 80491
(Page 442)



Touchpanels
(from Page 435)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX RGBW (one Chip)

Flexible LED strip fitted with RGBW chips (4 colours in one chip) with self-adhesive back for indoor use

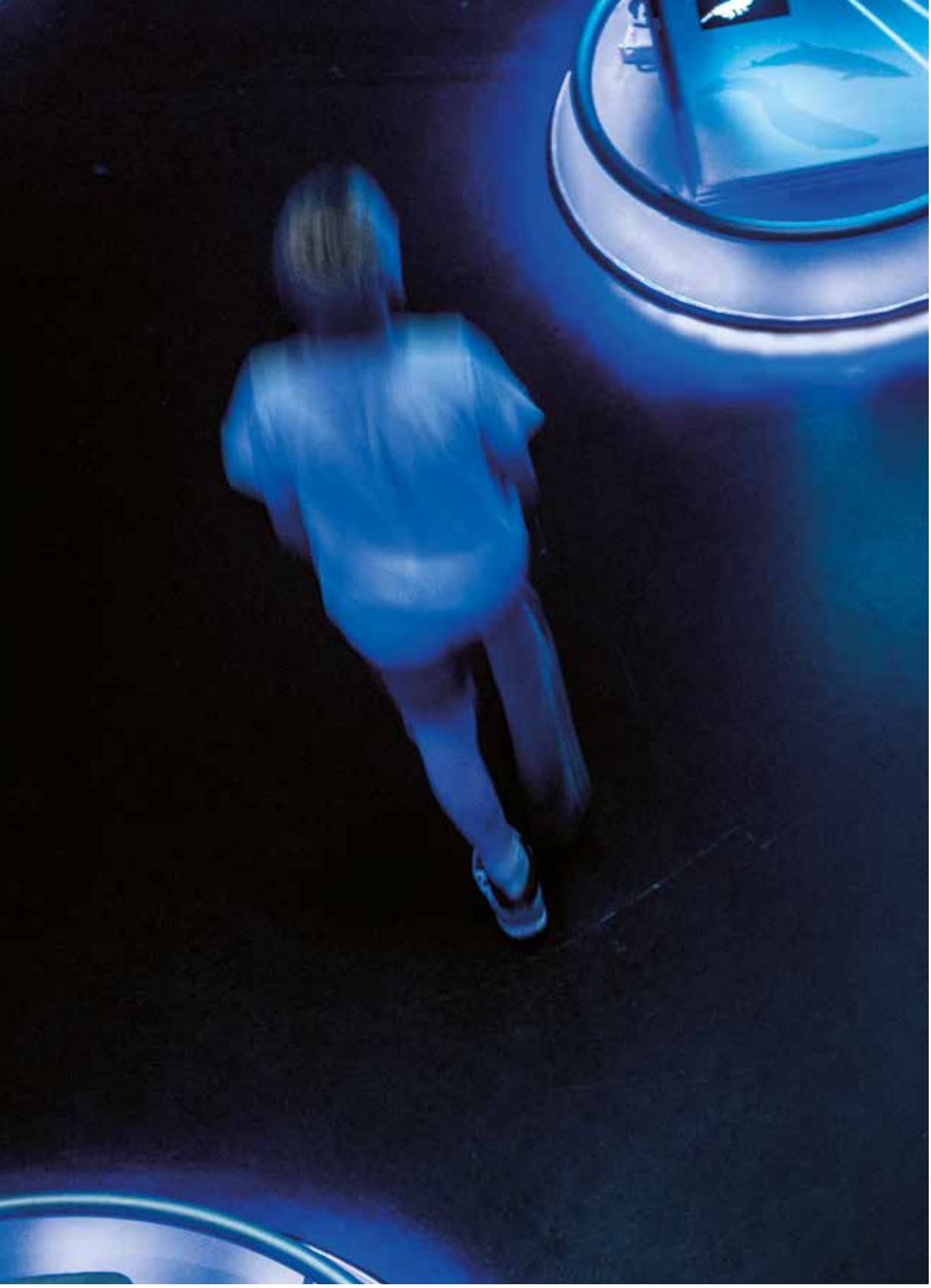
- **19.2W, 60 LED, 900 lm (RGBW) per metre**
- **Cuttable every 10 cm or 6 LEDs**
- LED spacing: 16.7 mm
- Easy installation due to solder-free connectors
- **Maximum length per connection: 10 metres. Feed in anew for longer lengths.**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- Scope of delivery: 5 metre roll, 5 x in-feed connectors
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A

ORDERING INFORMATION

	Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
	RGBW (one Chip)	6500 K	5	10	2.0	300	max. 15	120°	24	4	96	86521
	RGBNW (one Chip)	4000 K	5	10	2.0	300	max. 14.6	120°	24	4	96	86523
	RGBWW (one Chip)	3000 K	5	10	2.0	300	max. 14.1	120°	24	4	96	86522
NEW	RGBA (one Chip)	amber	5	10	2.0	300	max. 11.05	120°	24	4	96	86520

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



FITTING ACCESSORIES

In-feeder



Accessories	Article no.
In-feed connector	86500

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

RGBW controller e.g.
Article no. 80462
(see overview on Page 382/384)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)



Optional accessories

Repeater
Article no. 80491
(Page 442)



Touchpanels
(from Page 435)





VARDAFLEX RGBW / WW

NEW

Flexible LED strip fitted out alternatively with RGB and white SMD LEDs, self-adhesive back, for indoor use

- **9.6W, 60 LED, max. 432 lm per metre**
- Various light control units with RGB controller
- **Cuttable every 16.7 cm or 10 LEDs**
- LED spacing: 16.7 mm
- **Maximum length per connection: 5 metres. Feed in anew for longer lengths.**
- Scope of delivery: 5 metre roll, 5 in-feed connectors, 1 x direct connector
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A

ORDERING INFORMATION

Type	Length Metres	Width Length	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
RGB + WW approx. 3000K	5	12	2.5	300	RGB=7.20 WW=7.25	120°	24	4	48	86512









FITTING ACCESSORIES

In-feeder



Accessories	Article no.
In-feeder RGBW + RGBWW	88520
Direct connector	88517

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

RGBW controller e.g.
Article no. 80462
(see overview on Page 382/384)



Optional accessories

Repeater
Article no. 80491
(Page 442)



Touchpanels
(from Page 435)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX RGB+W+WW / RGB+W+A
VARDAFLEX DOUBLE RGB+W+WW / RGB+W+A

Multifunctional 5-channel LED strip with self-adhesive back for indoor use

- **W 10 mm: 28.8 W, 180 LED, 1530 lm per metre**
  W 12 mm: 33.6 W, 180 LED, 1992 lm per metre
- **Cuttable every 10 cm or 18 LEDs**
- LED spacing: 3mm or 11mm
- **Maximum length per connection: 3 metres**
  Feed in anew for longer lengths.
- Scope of delivery: 3 metre roll, 3 in-feed connectors
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A

ORDERING INFORMATION

	Type	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
	RGB+W+WW 6500 K / 3000 K	3	10	2.5	540	RGB = max 4,6 WW = 9,72 W = 11.2	120°	24	3.6	86.4	86524
	RGB+W+A 6500 K amber	3	10	2.5	216	RGB = max 4.6 W = 11.2 amber = 1,1	120°	24	2.4	57.6	86525
NEW	DOUBLE RGB+W+WW 6500 K / 3000 K	3	12	2.5	540	RGB = max 7.95 WW = 12.09 W = 13.16	120°	24	4.2	100.8	86526
NEW	DOUBLE RGB+W+A 6500 K amber	3	12	2.5	540	RGB = max 7.95 W = 13.16 amber = 1.1	120°	24	4.2	100.8	86527

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

Sushi Factory, Hamburg Fischmarkt

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

DMX actuator
Article no. 80206
Page 432



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX Mini

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

- **9.6W, 120 LED, 744 lm (3000K) per metre**
- Luminous colours: white, warm white
- **Cuttable every 2.5 cm or 3 LEDs**
- LED spacing: 8 mm
- **Maximum length per connection: 10 metres. Feed in anew for longer lengths.**
- Scope of delivery: 5 metre roll, 5 in-feeders, 1 x direct connector
- **Graded and stored by binning codes**
- **Note: Do not operate strip without adequate cooling.**
- **Lifespan L70: ≥ 36,000 hours**

LED Colour: W
Energy efficiency class A+

LED Colour: WW
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Mini	W approx. 6500K	5	5	2.5	600	7	120°	12	4	48	88994
Mini	WW approx. 3000K	5	5	2.5	600	6.2	120°	12	4	48	88995

Accessories	Article no.
Mini in-feeder - Caution: does not fit into the profile	88975
Mini direct connector - Caution: does not fit into the profile	88976

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

Aluprofil Mini H15

for strips up to 6 mm in width

Alu Profile Mini



Aluprofil Mini H15

- Small aluminum fitting profile with separate fastening rail
- Material: anodized aluminum
- For flexible strips and rigid ones up to 6 mm in width
- For use indoors
- Lengths: 1 and 2 metres
- Clear and mat covers available
- Mat cover with homogeneously optical properties
- Cover material: polycarbonate, and UV/rupture-resistant
- Simply click from the front to fit/dismantle the cover
- No cover and fastening rail with the consignment - please order separately.

Type	Length	Article no.
Alu Profile Mini	1 metre	68550
Alu Profile Mini	2 metres	68555
Profile cover - clear	1 metre	68565
Profile cover - clear	2 metres	68567
Profile cover - mat	1 metre	68566
Profile cover - mat	2 metres	68568
Fastening rail	1 metre	68557
Fastening rail	2 metres	68558
In-feeder end cap		68564
End cap		68563

Required accessories

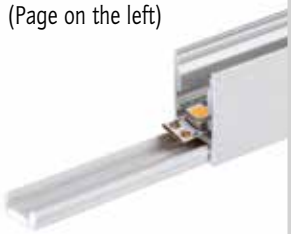
LED power supply
(see overview on Page 356)



CAUTION:

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

Aluprofil Mini
(Page on the left)

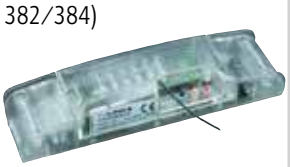


All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)



Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





VARDAFLEX Side Mini Plus

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

- **4,8W, 60 LED, max. 240 lm (3000K) per metre**
- For use indoors
- **Cuttable every 2.5 cm or 3 LEDs**
- LED spacing: 8 mm
- Luminous colours: white approx. 6500K, warm white approx. 3000K
- Easy installation due to solder-free connectors
- **Maximum length per connection: 10 metres**
- Scope of delivery: 5 metre roll, 5 x in-feed connectors, 1 x direct connector
- **Lifespan L70: ≥ 36,000 hours**

LED Colour: W/WW

Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Side Mini	W approx. 6500K	5	8	2.0	600	4.68	120°	12	3	36	88944
Side Mini	WW approx. 3000K	5	8	2.0	300	3.93	120°	12	2	24	88695

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

Required accessories

LED power supply
(see overview on Page 356)

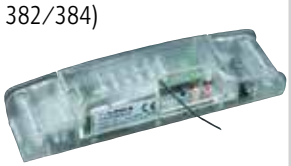


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)

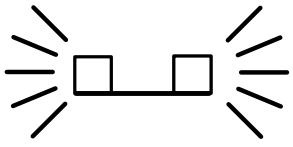




VARDAFLEX SIDE Mini Double

Flexible LED strip with self-adhesive back for indoor use

- **19.2W, 240 LED, max. 1094 lm (3000K) per metre**
- **Cuttable every 5 cm or 12 LEDs**
- LED spacing: 8mm (1200 LED)
- **Maximum length per connection: 5 metres. Feed in anew for longer lengths**
- Scope of delivery: 5 metre roll, 5 x in-feed connectors
- **Graded and stored by binning codes**
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**



Energy efficiency class A

ORDERING INFORMATION

Type Colour	Length Metres	Width mm	Height mm	Anzahl LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
SIDE Mini Double WW approx. 3000K	5	8	2	1200	4.56	2 x 120°	24	4	96	86845

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



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

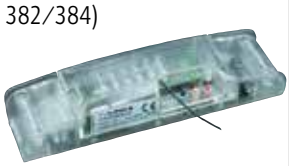
Use power supply units with PFC upwards of 25W!
E.g. our power supply units with active PFC

Aluminum profiles
Round Cover 25 mm
Article no. 68675
(Page 343)



Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



FITTING ACCESSORIES

In-feeder	Direct connector (optional)
	

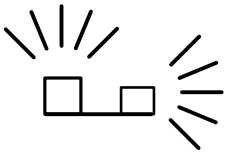
Accessories	Article no.
In-feeder single	88536
Direct connector single	88538



VARDAFLEX Asymmetrical

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

- **19.2W, 240 LED, max. 1399 lm (3000K) per metre**
- **Cuttable every 5 cm or 12 LEDs**
- LED spacing: 8mm (1200 LED)
- **Maximum length per connection: 5 metres. Feed in anew for longer lengths.**
- Scope of delivery: 5 metre roll, 5 x in-feed connectors
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**



Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Asymmetrical	WW approx. 3000K	5	10	2.5	1200	4.9/6.76	180°	24	4	96	86375
Asymmetrical	NW approx. 4000K	5	10	2.5	1200	4.9/6.76	180°	24	4	96	86378

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



FITTING ACCESSORIES

In-feeder	Direct connector (optional)
	

Accessories	Article no.
In-feeder single	88552
Direct connector single	88553

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

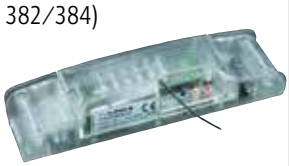
Use power supply units with PFC upwards of 25W!
E.g. our power supply units with active PFC

Aluminum profiles
Round Cover 25 mm
Article no. 68675
(Page 343)



Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)

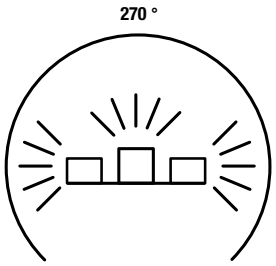




VARDAFLEX Surround

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

- **23.04 W, 288 LED, max. 1647 lm (3000K) per metre**
- **Cuttable every 6.2 cm or 18 LEDs**
- LED spacing: 10.36 mm
- **Maximum length per connection: 5 metres. Feed in anew for longer lengths.**
- Scope of delivery: 5 metre roll, 5 x in-feed connectors
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**



Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Surround	WW approx. 3000K	5	10	2.5	1440	5.2/6.76	270°	24	4.8	115.2	86385
Surround	NW approx. 4000K	5	10	2.5	1440	4.75/6.98	270°	24	4.8	115.2	86388

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



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

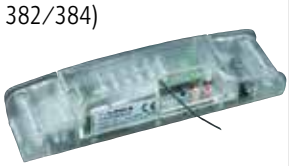
Use power supply units with PFC upwards of 25W!
E.g. our power supply units with active PFC

Aluminum profiles
Round Cover 25 mm
Article no. 68675
(Page 343)



Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



In-feeder	Direct connector (optional)
	

Accessories	Article no.
In-feeder single	88552
Direct connector single	88553



VARDAFLEX Select, Variable Luminous Colour Selection

Flexible LED strip alternatively fitted out, self-adhesive back, for indoor use

- **9.6W, 120 LED, max. 636 lm per metre**
- Light control (white / warm white) 3000K to 7000K possible
- **Cuttable every 5 cm or 6 LEDs**
- LED spacing: 8 mm
- 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-feeders, 1 direct connector
- No restrictions on choice of colour: Colours or mixed light
- UWW (2700K)/amber for pastries
- UWW (2700K)/red for meat
- **Lifespan L70: ≥ 36,000 hours**

Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Select	White / Warmwhite	5	10	1.8	600	max. 5.3	120°	12	4	48	88527
Select	Red / Green	5	8	1.8	600	max. 5.3	120°	12	4	48	88529
Select	Red / Blue	5	8	1.8	600	max. 5.3	120°	12	4	48	88526
Select	UWW/Amber	5	8	1.8	600	max. 5.3	120°	12	4	48	88523
Select	UWW/Red	5	8	1.8	600	max. 5.3	120°	12	4	48	88530











FITTING ACCESSORIES

In-feeder



Accessories	Article no.
Select in-feeder	88626

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

SELECT controller e.g.
Article no. 89454
(Page 401)



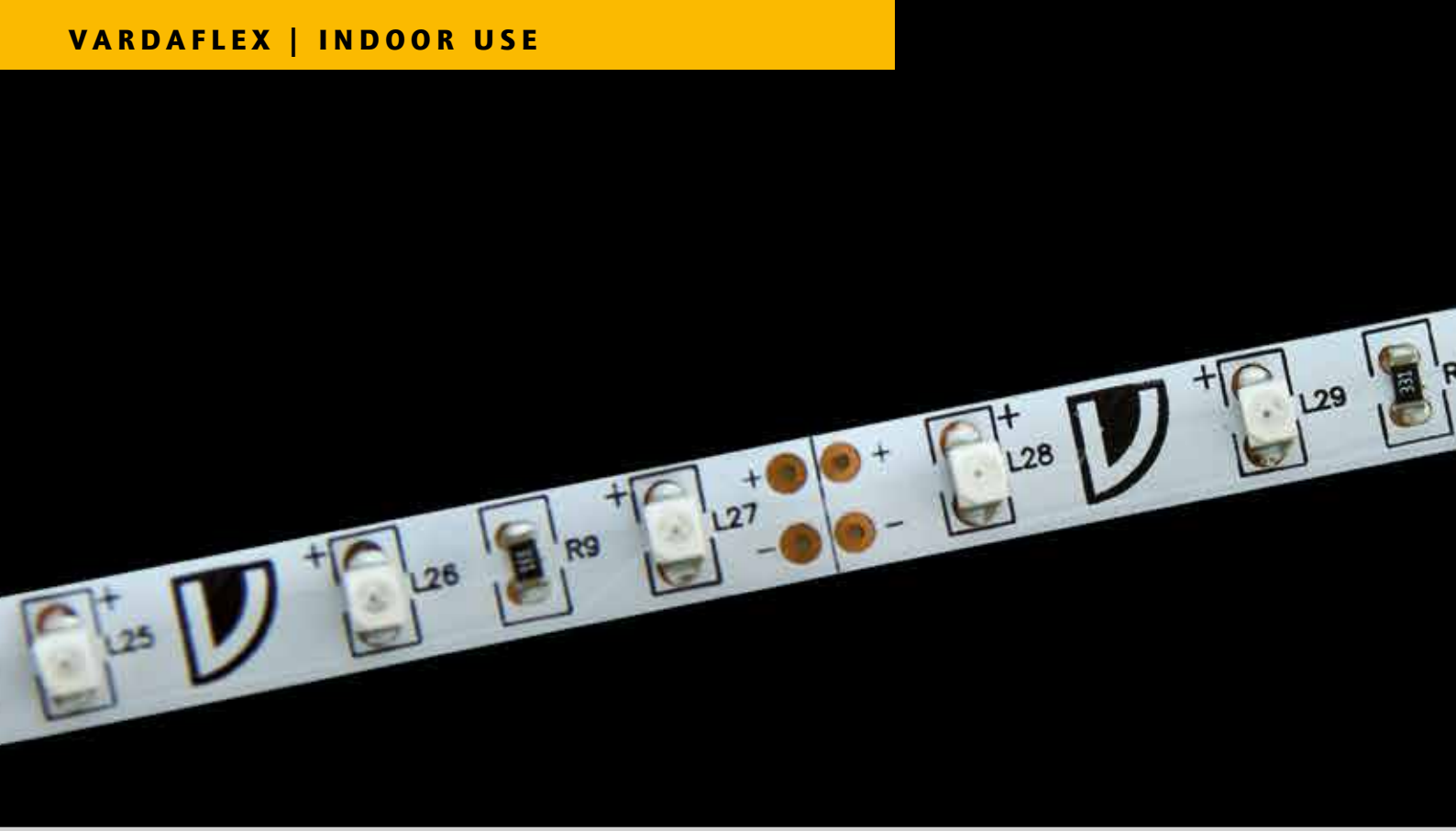
Optional accessories

LED table transmitters or touch panels for pilot light function
Article no. 89477 (Page 411)



All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX Infrared IR-940 nm

Lab technology

VARDAflex Infrared IR-940 nm

- **4.8W, 60 LED per metre**
- Flexible LED strip
- with self-adhesive back for indoor use
- **Cuttable every 5 cm or 3 LEDs**
- LED spacing: 16 mm (300 LED)
- 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 x in-feed connectors, 1 x direct connector
- **Lifespan L70: ≥ 36,000 hours**

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
IR-940nm	5	8	2.5	300	120°	12	2	24	88997

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



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

All aluminum profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)



FITTING ACCESSORIES

Profi in-feeder	Profi direct connector	Flex connector single Profi
		

Accessories	Article no.
In-feeder single Profi	86536
Direct connector single Profi	86538
Flex connector single Profi with 150 mm of lead wire	86534



VARDAFLEX Para UV Black Light

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

- **19.2W, 240 LED per metre**
- Two rows of LEDs parallel
- **Cuttable every 2.5 cm or 6 LEDs**
- LED spacing: 8 mm
- 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-feed connectors
- **Note: Do not operate strip without additional heat sink and adequate ventilation (see on the right).**
- **Lifespan L70: ≥ 36,000 hours**

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Para	UV	5	16	2.5	1200	<= 30lm	120°	12	8	96	88996



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

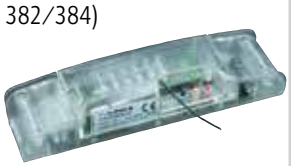
Use power supply units with PFC upwards of 25W!
E.g. our power supply units with active PFC

All aluminum profiles
Upwards of 16 mm inside dimension (also see overview on Page 300)



Optional accessories

Dimmer
Article no. 89450
(see overview on Page 382/384)



Fitting accessories

In-feeder	Direct connector
	

Accessories	Article no.
In-feeder	86006
Direct connector	86007



VARDAFLEX Nano IP66

Flexible LED strip with self-adhesive back, for indoor and outdoor use, not UV-resistant, single-colour

- 4.8W, 60 LED, 372 lm (WW) per metre
- **Not cuttable**
- LED spacing: 16 mm (300 LED)
  Feed in anew for longer lengths.
- Scope of delivery: 5 metre roll, 2 metre roll, 1 metre roll, 0.5 metre roll
- Graded and stored by binning codes
- **Lifespan L70: ≥ 36,000 hours**

IP 66

Energy efficiency class A

ORDERING INFORMATION

	Type	Colour	Length Metre	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
	Nano IP66	WW approx. 3000K	5	8	2.5	300	6.2	120°	24	1	24	81565
NEW	Nano IP66	WW approx. 3000K	2	8	2.5	120	6.2	120°	24	0.4	9.6	81595
	Nano IP66	WW approx. 3000K	1	8	2.5	60	6.2	120°	24	0.2	4.8	81575
	Nano IP66	WW approx. 3000K	0.5	8	2.5	30	6.2	120°	24	0.1	2.4	81585

CUSTOMIZED LENGTH AND TYPE ON REQUEST



Foto: pbombaert@fotolia.com

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



All aluminium profiles
Upwards of 10 mm inside dimension
(also see overview on Page 300)





VARDAFLEX Plus Nano IP66

Flexible LED strip with self-adhesive back, for indoor and outdoor use, not UV-resistant, single-colour

- 9.6W, 120 LED, 744 lm (3000K) per metre
- **Not cuttable**
- LED spacing: 16 mm
  Feed in anew for longer lengths.
- Scope of delivery: 5 metre roll, 2 metre roll, 1 metre roll, 0.5 metre roll
- Graded and stored by binning codes
- **Lifespan L70: ≥ 36,000 hours**

IP 66 Parallel RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

	Type	Colour	Length Metre	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
	Plus Nano IP66	WW approx. 3000K	5	8	2.5	600	6.2	120°	24	2	48	81165
NEW	Plus Nano IP66	WW approx. 3000K	2	8	2.5	240	6.2	120°	24	0.8	19.2	81195
	Plus Nano IP66	WW approx. 3000K	1	8	2.5	120	6.2	120°	24	0.4	9.6	81175
	Plus Nano IP66	WW approx. 3000K	0.5	8	2.5	60	6.2	120°	24	0.2	4.8	81185

CUSTOMIZED LENGTH AND TYPE ON REQUEST



Foto: pbombaert@fotolia.com

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 80475, 89450, 80474
(see overview on Page 382/384)



All aluminium profiles
Upwards of 10 mm inside dimension
(also see overview on Page 300)





VARDAFLEX Double Nano IP66

Flexible LED strip with self-adhesive back, for indoor and outdoor use, not UV-resistant, single-colour

- 19.2W, 120 LED, 1428 lm (WW) per metre
- **Not cuttable**
- LED spacing: 16 mm (600 LED)
  Feed in anew for longer lengths.
- Scope of delivery: 5 metre roll, 1 metre roll, 0.5 metre roll
- Graded and stored by binning codes
- **Lifespan L70: ≥ 36,000 hours**

IP 66 Parallel RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metre	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Double Nano IP66	WW approx. 3000K	5	10	2	600	11.9	120°	24	4	96	81555
Double Nano IP66	WW approx. 3000K	1	10	2	120	11.9	120°	24	0.8	19.2	81550
Double Nano IP66	WW approx. 3000K	0.5	10	2	60	11.9	120°	24	0.4	9.6	81551

CUSTOMIZED LENGTH AND TYPE ON REQUEST

Required accessories

LED power supply
(see overview on Page 356)



All aluminium profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)

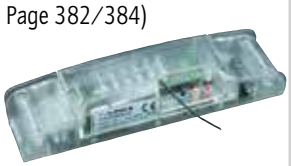


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





VARDAFLEX RGB Double Nano IP66

Flexible LED strip with self-adhesive back, for indoor and outdoor use, not UV-resistant, RGB

- RGB Double: 14.4W, 60 LED, max. 262 lm per metre
- **Not cuttable**
- LED spacing: 16 mm (300 LED)
- Scope of delivery: 5 metre roll, 1 metre roll, 0.5 metre roll
- Graded and stored by binning codes
- **Lifespan L70: ≥ 36,000 hours**

IP 66

Energy efficiency class **B**

Type	Colour	Length Metre	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
RGB Double Nano IP66	RGB	5	10	2	300	4.36	120°	24	3	72	81576
RGB Double Nano IP66	RGB	1	10	2	60	4.36	120°	24	0.6	14.4	81586
RGB Double Nano IP66	RGB	0.5	10	2	30	4.36	120°	24	0.3	7.2	81596

CUSTOMIZED LENGTH AND TYPE ON REQUEST



Squashcenter Achim

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

RGB controller e.g.
Article no. 80460 (see overview on
Page 382/384)



Optional accessories

Repeater
Article no. 80491
(Page 442)

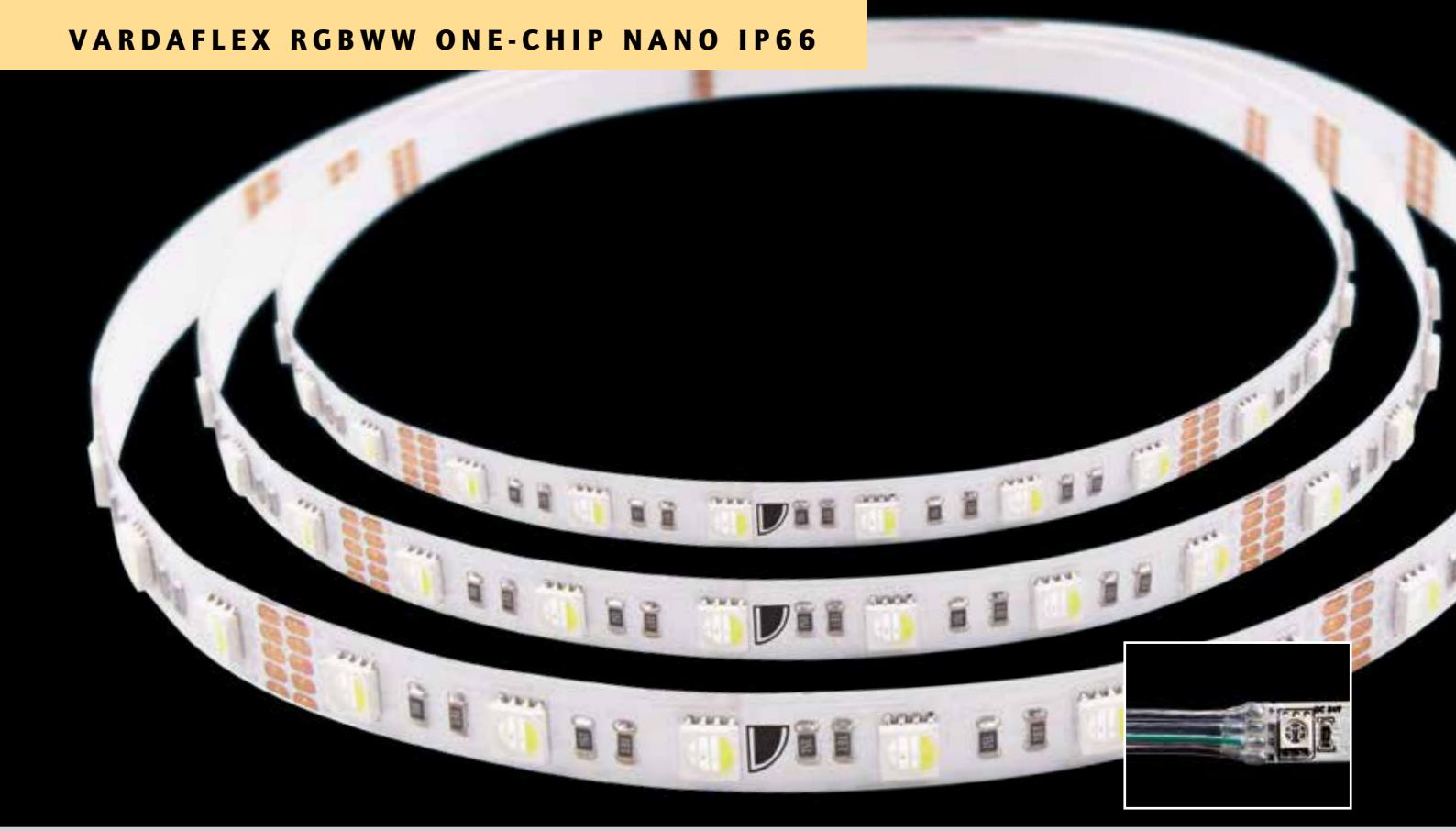


Touchpanels
(from Page 435)



All aluminium profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX RGBW (one-chip) Nano IP66

NEW

Flexible LED strip fitted with RGBW chips (4 colours in one chip) with self-adhesive back, for indoor and outdoor use

- 19.2W, 60 LED, max. 846 lm per metre
- LED spacing: 16.7 mm
- Easy installation due to solder-free connectors
- Maximum length per connection: 2 Meter
- Scope of delivery: 2 metre roll
- Graded and stored by binning codes
- **Lifespan L70: ≥ 36,000 hours**

IP 66

Energy efficiency class A

Type	Colour	Length Metre	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
RGBWW (one chip) Nano IP66	approx 3000K	2	10	2	120	14.1	120°	24	1.6	38.4	81522

CUSTOMIZED LENGTH AND TYPE ON REQUEST



Foto: zstock@fotolia.com

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

RGB controller e.g.
Article no. 80462
(see overview on Page 382/384)



Optional accessories

Touchpanels
(from Page 435)



All aluminium profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)





VARDAFLEX IP67/Plus IP67

NEW

Flexible LED strip extruded with polyurethan, self-adhesive back, for indoor and outdoor use

- IP67: 4.8W, 60 LED, 336 lm per metre
  Plus IP67: 9.6W, 120 LED, 673 lm per metre
- IP67: cuttable every 10 cm or 6 LEDs
  Plus IP67: cuttable every 5 cm oder 3 LEDs
- LED spacing: IP67: 16 mm/ Plus IP67: 8 mm
- 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, 1 male in-feeder connector, 1 end cop
- **Graded and stored by binning codes**
- **Lebensdauer L70: ≥36.000 Stunden**

IP 67 Parallel RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metre	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
IP67	WW approx. 3000K	5	8	4,9	300	5,61	120°	24	1	24	86475
Plus IP67	WW approx. 3000K	5	8	4,9	600	5,61	120°	24	2	48	86485





Cornig, Salzwedel

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 80474, 89450
(see overview on Page 382/384)



All aluminium profiles
Upwards of 10 mm inside dimension (also see overview on Page 300)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX IP68

Flexible LED strip in silicone sleeve for indoor and outdoor use, single-colour

- **48W, 60 LED, 342 lm (3000K) per metre**
- **Cuttable every 5 cm or 3 LEDs (24 Volt: cuttable every 10 cm or 6 LEDs)**
- LED spacing: 16 mm (300 LED)
- 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 connectors, 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**

IP 68 5 m Parallel RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Energy Efficiency Class	Article no.
IP68	Red	5	11	4	300	0.9	120°	12	2	24	C	88560
IP68	Yellow	5	11	4	300	1	120°	12	2	24	B	88561
IP68	Blue	5	11	4	300	1.47	120°	12	2	24	B	88562
IP68	Green	5	11	4	300	3.7	120°	12	2	24	A	88563
IP68	White approx. 6500K	5	11	4	300	6.4	120°	12	2	24	A	88564
IP68	WW approx 3000K	5	11	4	300	5.7	120°	12	2	24	A	88565
IP68	White approx. 6500K - 24 V	5	11	4	300	6.4	120°	24	1	24	A	86564
IP68	WW approx. 3000K - 24 V	5	11	4	300	5.7	120°	24	1	24	A	86565

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



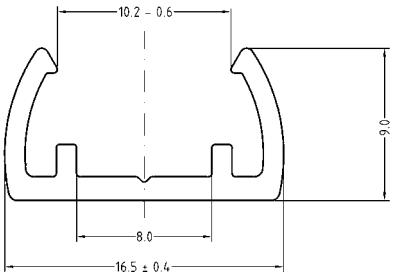


Gornig, Salzwedel

INSTALLATION TIP



Plastic profile
Easy to fasten!
With space for
the screw heads



FITTING ACCESSORIES

In-feeder	Accessorie	Fastening holder
		

Accessories Single Colour	Article no.
In-feeder connector Single	88536
Direct connector Single	88538
Fastening holder f. strips Single	88567
Silicone in-feeder cap Single	88569
Connecting hose Single	88671
Silicone, neutral cross-linked, 5 ml tube	88670
Silicone, neutral cross-linked, 310 ml tube	89999
Plastic profile, 2 metres	68308

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 80474, 89450
(see overview on Page 382/384)

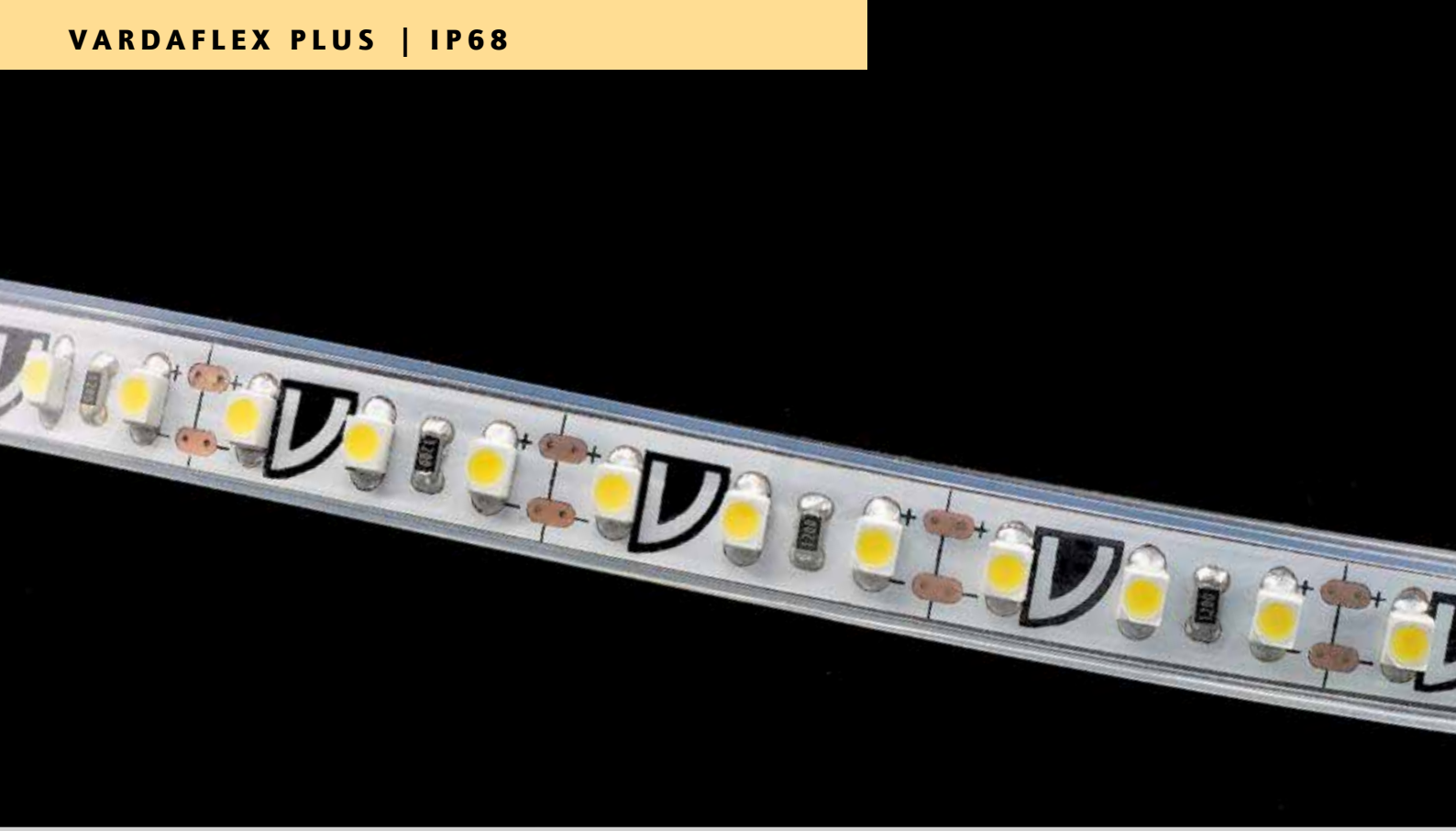


Our suggestion
Plastic profile 68308



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Plus IP68, Single-Colour

Flexible LED strip in silicone sleeve for indoor and outdoor use, single-colour

- **9.6W, 120 LED, 744 lm (3000K) per metre**
- **Cuttable every 2.5 cm or 3 LEDs**
- LED spacing: 8 mm (600 LED)
- 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 connectors, 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**

LED Colour: W
Energy efficiency class A+

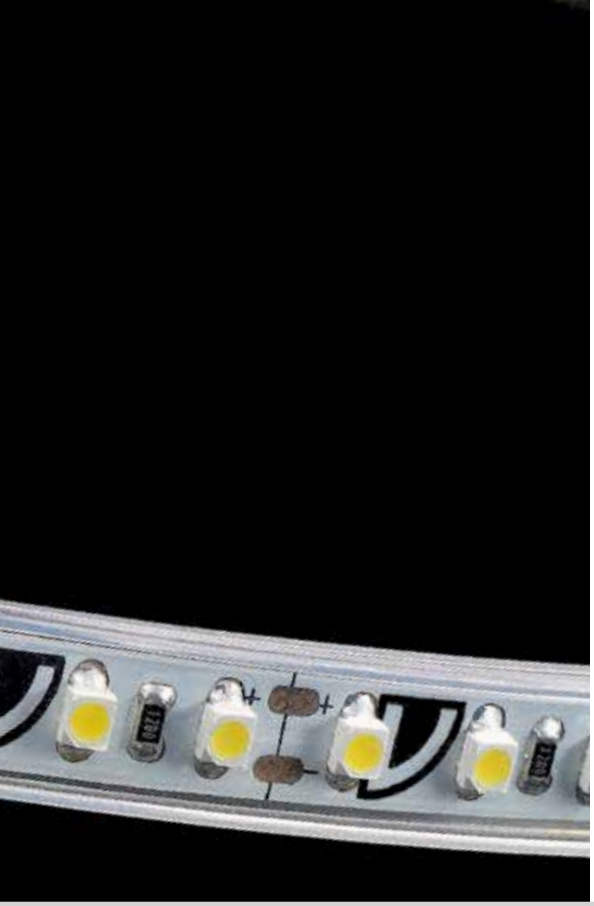
LED Colour: WW
Energy efficiency class A

IP 68 5 m Parallel RoHS REACH

ORDERING INFORMATION

Type Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Plus IP68 W approx. 6500K	5	11	4	600	7	120°	12	4	48	88164
Plus IP68 WW approx. 3000K	5	11	4	600	6.2	120°	12	4	48	88165

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

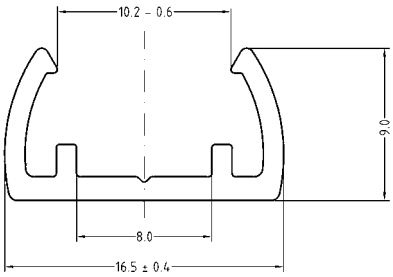




INSTALLATION TIP



Plastic profile
Easy to fasten!
With space for
the screw heads
(for indoor use)



FITTING ACCESSORIES

In-feeder	Accessories	Fastening holder
		

Accessories Single Colour	Article no.
In-feeder connector Single	88536
Direct connector Single	88538
Fastening holder f. 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

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 80474, 89450,
(see overview on Page 382/384)



Our suggestion
Plastic profile 68308



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Outdoor IP65

Flexible LED strip PVC-sealed in white (WS) and black (SW) for indoor and outdoor use, single-colour

- **6W, 30 LED, 420 lm (3000K) per metre**
- **Cuttable every 20 cm or 6 LEDs**
- LED spacing: 33.2 mm
- Luminous colours: white approx. 6500K and warm white approx. 3000K
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 30 metres**
- Scope of delivery: 10, 20 or 30 metre roll, with in-feeder connectors provided at each end (10m variant has an in-feeder connector and an end cap)
- **Up to 30 metres installable without any interruption (feed-in on both sides upwards of 10 metres).**
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

IP 65 Parallel RoHS REACH

LED Colour: W
Energy efficiency class A+

LED Colour: WW
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Band colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor IP65 10M WS	6500 K	white	10	13,5	6	300	20,8	120°	24	2,5	60	86904
Outdoor IP65 10M WS	3000 K	white	10	13,5	6	300	14	120°	24	2,5	60	86905
Outdoor IP65 20M WS	6500 K	white	20	13,5	6	600	20,8	120°	24	5	120	86914
Outdoor IP65 20M WS	3000 K	white	20	13,5	6	600	14	120°	24	5	120	86915
Outdoor IP65 30M WS	6500 K	white	30	13,5	6	900	20,8	120°	24	7,5	180	86924
Outdoor IP65 30M WS	3000 K	white	30	13,5	6	900	14	120°	24	7,5	180	86925
Outdoor IP65 10M SW	6500 K	black	10	13,5	6	300	20,8	120°	24	2,5	60	86934
Outdoor IP65 10M SW	3000 K	black	10	13,5	6	300	14	120°	24	2,5	60	86935
Outdoor IP65 20M SW	6500 K	black	20	13,5	6	600	20,8	120°	24	5	120	86944
Outdoor IP65 20M SW	3000 K	black	20	13,5	6	600	14	120°	24	5	120	86945
Outdoor IP65 30M SW	6500 K	black	30	13,5	6	900	20,8	120°	24	7,5	180	86954
Outdoor IP65 30M SW	3000 K	black	30	13,5	6	900	14	120°	24	7,5	180	86955

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



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 80474, 89450
(see overview on Page 382/384)



Profile Outdoor 2 metres
(see on the left)







FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor single-colour 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-colour 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 20 ml			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 16 mm, height 12,1 mm		Length 2 metres	68332
PVC profile white, width 15 mm, height 8,8 mm		Length 2 metres	68338
Sample case Outdoor			10088

Accessories and installation instructions on Pages 214/215

CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml







VARDAFLEX Outdoor Plus IP65, Single-colour

Flexible LED strip PVC-sealed in white (WS) and black (SW) for indoor and outdoor use

- **12W, 60 LED, 840 lm (3000K) per metre**
- **Cuttable every 10 cm or 6 LEDs**
- LED spacing: 16.7mm
- Luminous colours: white approx. 6500K and warm white approx. 3000K
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- Scope of delivery: 10 or 20 metre roll, with in-feeder connectors provided at each end (10m variant has an in-feeder connector and an end cap)
- **Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).**
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

LED Colour: W
Energy efficiency class A+

IP 65 Parallel RoHS REACH

LED Colour: WW
Energy efficiency class A

ORDERING INFORMATION

Type	Colour	Band colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor Plus IP65 10M WS	6500 K	white	10	13.5	6	600	20.8	120°	24	5	120	86964
Outdoor Plus IP65 10M WS	3000 K	white	10	13.5	6	600	14	120°	24	5	120	86965
Outdoor Plus IP65 20M WS	6500 K	white	20	13.5	6	1200	20.8	120°	24	10	240	86974
Outdoor Plus IP65 20M WS	3000 K	white	20	13.5	6	1200	14	120°	24	10	240	86975
Outdoor Plus IP65 10M SW	6500 K	black	10	13.5	6	600	20.8	120°	24	5	120	86884
Outdoor Plus IP65 10M SW	3000 K	black	10	13.5	6	600	14	120°	24	5	120	86885
Outdoor Plus IP65 20M SW	6500 K	black	20	13.5	6	1200	20.8	120°	24	10	240	86984
Outdoor Plus IP65 20M SW	3000 K	black	20	13.5	6	1200	14	120°	24	10	240	86985



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 80474, 89450
(see overview on Page 382/384)



Profile Outdoor 2 metres
(see on the left)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml





FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor single-colour 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-colour 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 20 ml			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 16 mm, height 12,1 mm		Length 2 metres	68332
PVC profile white, width 15 mm, height 8,8 mm		Length 2 metres	68338
Sample case Outdoor			10088

Accessories and installation instructions on Pages 214/215



VARDAFLEX Outdoor Plus IP65 opal, single-colour NEW

Flexible LED strip PVC-sealed in white (WS) for indoor and outdoor use

- **12W, 60 LED, 540 lm (2700K) per metre**
- **Cuttable every 20 cm or 6 LEDs**
- LED spacing: 33.2 mm
- Luminous colours: warm white approx. 2700K and warm white approx. 3000K
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- Scope of delivery: 10 metre roll, with an in-feeder connector and an end cap)
- **Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).**
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

IP 65 Parallel RoHS REACH

Energy efficiency class A

BESTELLINFORMATIONEN

Type	Colour	Band colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor Plus Opal 10M WS	2700K	weiß	10	13.5	6	600	9	120°	24	5	120	86873
Outdoor Plus Opal 10M WS	3000K	weiß	10	13.5	6	600	11	120°	24	5	120	86875



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 80474, 89450
(see overview on Page 382/384)



Profile Outdoor 2 metres
(see on the left)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml





FITTING ACCESSORIES

Type	Article no.		Article no.
In-feeder unit Outdoor single-colour 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-colour 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 20 ml			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 16 mm, height 12,1 mm		Length 2 metres	68332
PVC profile white, width 15 mm, height 8,8 mm		Length 2 metres	68338
Sample case Outdoor			10088

Accessories and installation instructions on Pages 214/215

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



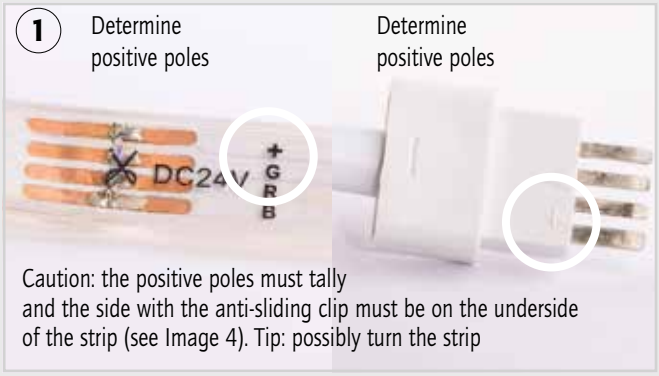
Fastening clip with screws
Article no. 86994

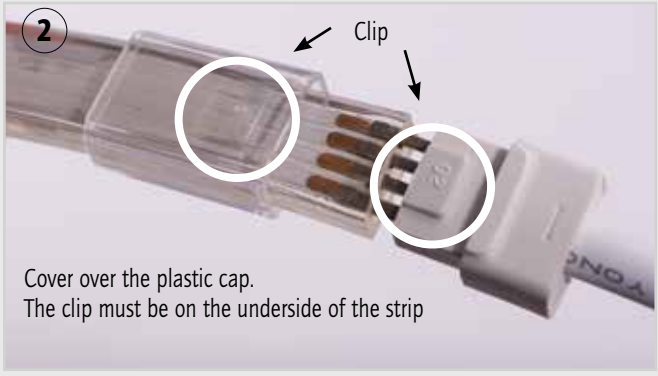


PVC profile
2 metres: Article no. 68338



Installation VARDAflex Outdoor





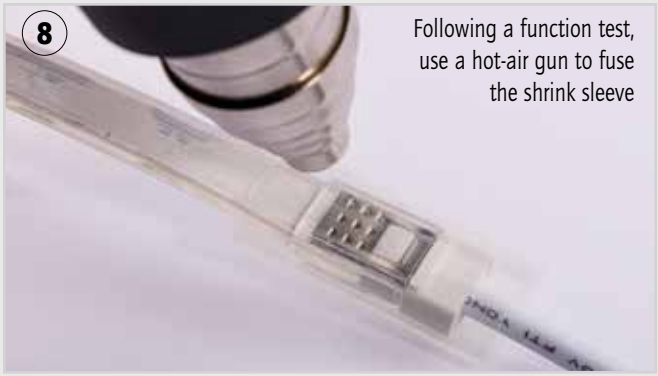


















VARDAFLEX RGB + RGB Double IP68

Flexible LED strip in silicone sleeve for indoor and outdoor use

- **RGB: 7.2W, 30 LED, 131 lm per metre**
- **RGB Double: 14.4W, 60 LED, 262 lm per metre**
- **RGB 12 Volt: Cuttable every 10 cm or 3 LEDs**
  RGB Double 12 Volt: Cuttable every 5 cm or 3 LEDs,
  RGB Double 24 Volt: Cuttable every 10 cm or 6 LEDs
- LED spacing: RGB: 33 mm (150 LED)
  RGB Double: 16 mm (300 LED)
- 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-feed connectors, 1 direct connector, 1 connecting sleeve, 1 silicone gel tube,
  30 holders, 2 end caps, 2 in-feed caps
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

IP 68 5 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
RGB	5	13	4	150	max. 4.36	120°	12	3	36	88566
RGB Double	5	13	4	300	max. 4.36	120°	12	6	72	88549
RGB Double - 24 V	5	13	4	300	max. 4.36	120°	24	3	72	86549





FITTING ACCESSORIES

In-feeder	Accessories	Fastening holder
		
direct connector	**Profi direct connector**	**Plastic profile**
		 (only for indoor use)

Accessories RGB	Article no.
In-feeder connector RGB	88537
Direct connector RGB	88539
Fastening holder f. strips RGB	88568
Silicone in-feeder cap RGB	88669
Connecting sleeve RGB	88672
Silicone 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

Required accessories

LED power supply
(see overview on Page 356)



RGB Controller
(see overview on Page 382/384)



CAUTION:

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

Optional accessories

Repeater
Article no. 80491, 88510
(from Page 442)



Touch panel (from Page 435)



Our suggestion
Plastic profile 68309



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Outdoor RGB IP65

Flexible LED strip PVC-sealed transparent for indoor and outdoor use

- **6W, 30 LED, max. 140 lm per metre**
- Flexible LED strip PVC-sealed transparent
- **Cuttable every 20 cm or 6 LEDs**
- LED spacing: 33.3 mm
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 30 metres**
- Scope of delivery: 10, 20 or 30 metre roll, with in-feeder connectors provided at each end (10m variant has an in-feeder connector and an end cap)
- Up to 30 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- **Lifespan L70: ≥36,000 hours**

IP 65 Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor RGB IP65	10	15.5	6	300	4.67	120°	24	2.5	60	86706
Outdoor RGB IP65	20	15.5	6	600	4.67	120°	24	5	120	86716
Outdoor RGB IP65	30	15.5	6	900	4.67	120°	24	7.5	180	86726





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
Einspeiser Outdoor RGB FC01 30 cm IP67	86796	FC02 30 cm (with a two-sided in-feed) IP67	86797
End cap Outdoor IP67			86798
Shrink sleeve Outdoor			86992
Silicone 20 ml			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 18,2 mm, height 12,1 mm		Length 2 metres	68322
PVC profile white, width 17 mm, height 8,8 mm		Length 2 metres	68328
Sample case Outdoor			10088

Accessories and installation instructions on Pages 228/229

Required accessories

LED power supply
(see overview on Page 356)



RGB Controller
Article no. 80460
(see overview on
Page 382/384)



CAUTION:

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

Optional accessories

Repeater
Article no. 80491, 88510
(from Page 442)



Touch panel (from Page 435)

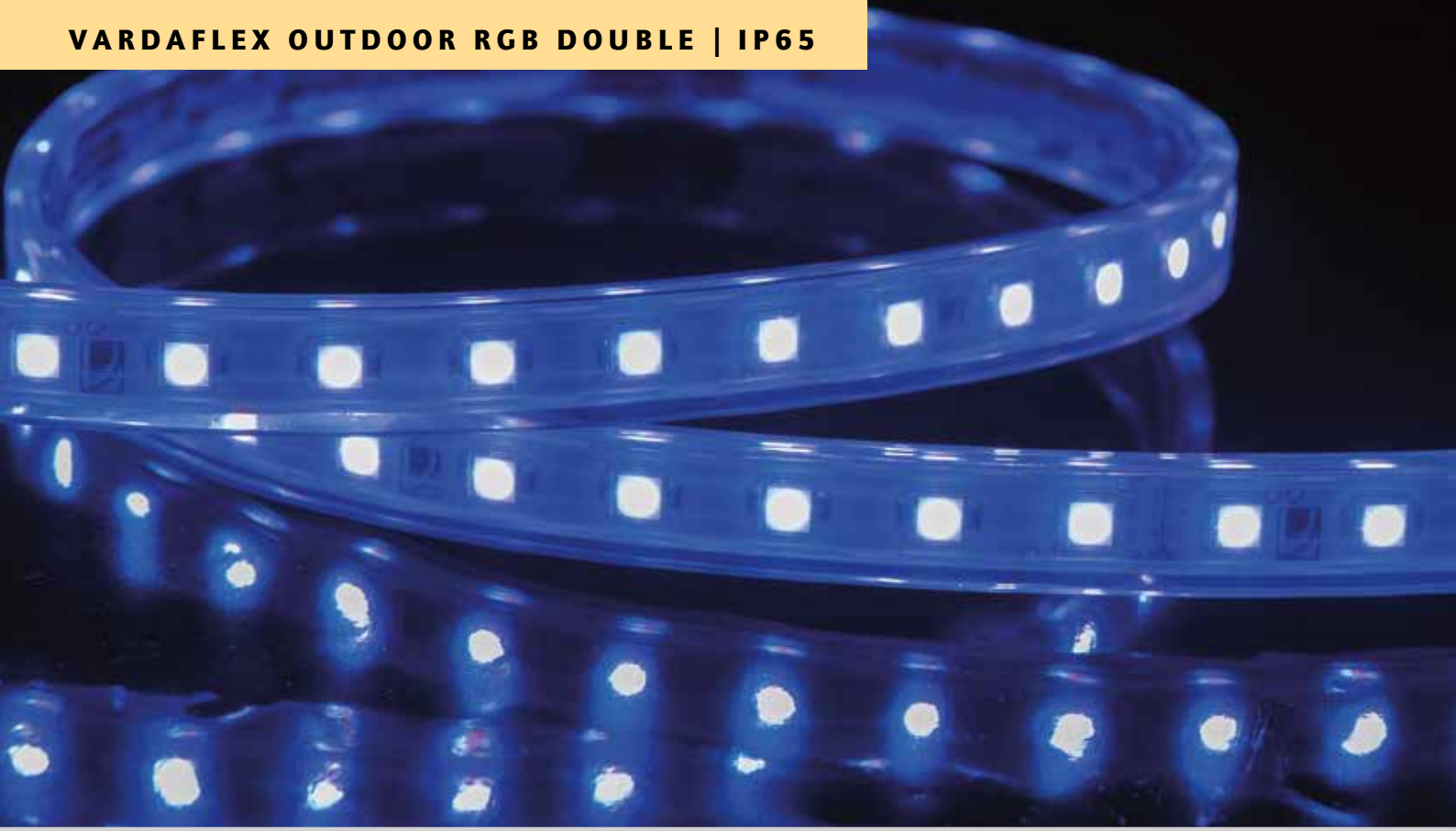


Profiles Outdoor 2 metres
(see on the left)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Outdoor RGB Double IP65

Flexible LED strip PVC-sealed transparent for indoor and outdoor use

- **12W, 60 LED, 280 lm per metre**
- **Cuttable every 10 cm or 6 LEDs**
- LED spacing: 16.7mm
  Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- Scope of delivery: 10 or 20 metre roll, with in-feeder connectors provided at each end (10m variant has an in-feeder connector and an end cap)
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- **Lifespan L70: ≥ 36,000 hours**

IP 65 Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor RGB Double IP65	10	15.5	6	600	4.67	120°	24	5	120	86736
Outdoor RGB Double IP65	20	15.5	6	1200	4.67	120°	24	10	240	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 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 20 ml			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 18,2 mm, height 12,1 mm		Length 2 metres	68322
PVC profile white, width 17 mm, height 8,8 mm		Length 2 metres	68328
Sample case Outdoor			10088

Accessories and installation instructions on Pages 228/229

Required accessories

LED power supply
(see overview on Page 356)



RGB Controller
Article no. 80460
(see overview on
Page 382/384)



CAUTION:

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

Optional accessories

Repeater
Article no. 80491, 88510
(from Page 442)



Touch panel (from Page 435)



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 Outdoor RGB Intelligence thirty NEW

flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant transparent PVC, for indoor- and outdoor use, IP65

- 5W, 30 LED,112 lm per metre
- Cuttable every 33.3 cm or each LED
- LED spacing: 33.3 mm
- Easy installation due to solder-free connectors
- Maximum length per connection: 2 Meter
- Bending radius: 5 cm
- Scope of delivery: 2 metre roll, with in-feeder connectors provided at one end and end-cap at the other end.
- Programmable on DMX basis with decoder Art. no. 89600
- Lifespan L70: ≥ 36,000 hours

CE IP 65 Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Pixel/ Metre	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor RGB Intelligence thirty	30	2	15.5	6	60	3.73	150°	5	2	10	86756

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





FITTING ACCESSORIES

Type		Article no.
Silicone 20 ml		86993
Silicone, neutral cross-linked, 310 ml tube		89999
Fastening clip with screws		86793
Aluminium profile VARDAflex Outdoor, width 18,2 mm, height 12,1 mm	Length 2 metres	68322
PVC profile white, width 17 mm, height 8,8 mm	Length 2 metres	68328
In-feeder Outdoor RGB Intelligence FC01 30cm, IP67		86660
In-feeder Outdoor RGB Intelligence FC02 30cm, IP67		86661
Endcap Outdoor Intelligence RGB, IP67		86662

Accessories and installation instructions on Pages 228/229

Required accessories

LED power supply Art. no. 87400
(see Page 365)



DMX-SPI Decoder
Art. no. 89600
(see Page 434)



CAUTION:

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

Required accessories
if no DMX control available

Touch panel Art.-no. 88458
(see page 437)



DMX-digital wire
Art.-no. 89990



Optional accessories

Profile Outdoor 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 NEW

flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant transparent PVC, for indoor- and outdoor use, IP65

- 12W, 56 LED, 369 lm per metre
- Cuttable every 12,5 cm or 7 LEDs
- LED spacing: 17.8 mm
- Easy installation due to solder-free connectors
- Maximum length per connection: 10 metres
- Bending radius: 5 cm
- Scope of delivery: 10 metre roll, with in-feeder connector provided at one end and end-cap at the other end.
- Programmable on DMX basis with decoder Art. no. 89600
- Lifespan L70: ≥ 36,000 hours

IP 67 Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Pixel/ Metre	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor RGB Intelligence eight	2	10	15.5	6	60	6.59	150°	24	5	75	86757

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





FITTING ACCESSORIES

Type		Article no.
Silicone 20 ml		86993
Silicone, neutral cross-linked, 310 ml tube		89999
Fastening clip with screws		86793
Aluminium profile VARDAflex Outdoor, width 18,2 mm, height 12,1 mm	Length 2 metres	68322
PVC profile white, width 17 mm, height 8,8 mm	Length 2 metres	68328
In-feeder Outdoor RGB Intelligence FC01 30cm, IP67		86660
In-feeder Outdoor RGB Intelligence FC02 30cm, IP67		86661
Endcap Outdoor Intelligence RGB, IP67		86662

Accessories and installation instructions on Pages 228/229

Required accessories

LED power supply Art. no. 87400
(see Page 365)



DMX-SPI Decoder
Art. no. 89600
(see Page 434)



CAUTION:

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

Required accessories
if no DMX control available

Touch panel Art.-no. 88458
(see page 437)



DMX-digital wire
Art.-no. 89990



Optional accessories

Profile Outdoor 2 metres
(see on the left)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Outdoor RGBW Intelligence eight NEW

flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant transparent PVC, fitted with RGBW chips (4 colours in one chip) for indoor- and outdoor use, IP67

- 15W, 56 LED, 569 lm per metre
- Cuttable every 12.5 cm or 7 LEDs
- LED spacing: 17.8 mm
- Easy installation due to solder-free connectors
- Maximum length per connection: 5 Meter
- Bending radius: 2.5 cm
- Scope of delivery: 5 metre roll, with in-feeder connector provided at one end and end-cap at the other end.
- Programmable on DMX basis with decoder Art. no. 89600
- Caution! Do not run all colours at same time under maximum load (max 80%)
- Lifespan L70: ≥ 36,000 hours

IP 67 Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Pixel/ Metre	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Outdoor RGBW Intelligence Eight	2	5	15.5	6	280	RGB: 6,74 UWW: 3,42	150°	24	5	10	86758

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





FITTING ACCESSORIES

Type		Article no.
Silicone 20 ml		86993
Silicone, neutral cross-linked, 310 ml tube		89999
Fastening clip with screws		86793
Aluminium profile VARDAflex Outdoor, width 18,2 mm, height 12,1 mm	Length 2 metres	68322
PVC profile white, width 17 mm, height 8,8 mm	Length 2 metres	68328
In-feeder Outdoor RGB Intelligence FC01 30cm, IP67		86660
In-feeder Outdoor RGB Intelligence FC02 30cm, IP67		86661
Endcap Outdoor Intelligence RGB, IP67		86662

Accessories and installation instructions on Pages 228/229

Required accessories

LED power supply Art. no. 87400
(see Page 365)



DMX-SPI Decoder
Art. no. 89600
(see Page 434)



CAUTION:

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

Required accessories
if no DMX control available

Touch panel Art.-no. 88458
(see page 437)



DMX-digital wire
Art.-no. 89990



Optional accessories

Profile Outdoor 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



Direct connector Outdoor RGB
Article no. 86794



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

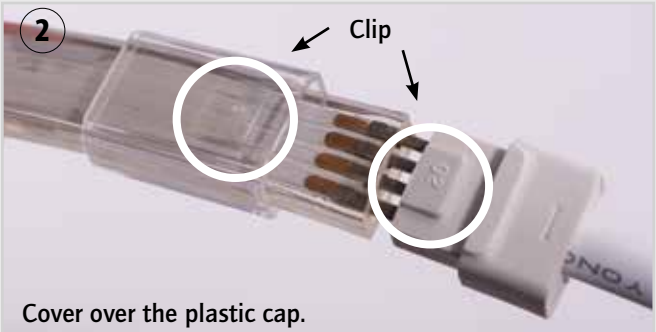


Determine positive poles



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 grip into the strip and stop any slipping



5 Seal the plug junction with silicone
Slip over the plastic cap and lock



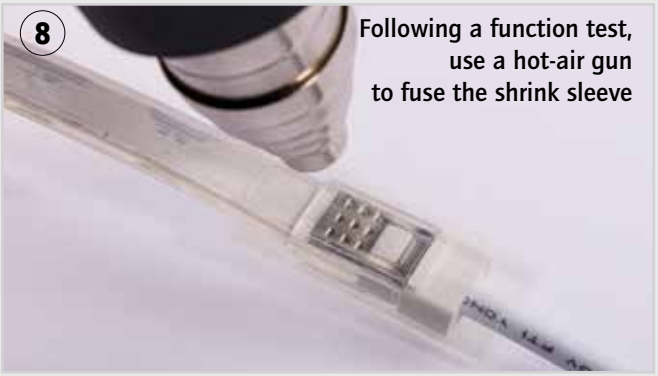
6 Seal the cap underside with silicone



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 Side Mini IP67, Single-colour

Flexible LED strip with side light exit in silicone sleeve for indoor and outdoor use, single-colour

- **88915: 4,8 W, 60 LED, 36 lm (3500K) per metre**
- **Cuttable 2.5 cm or 3 LEDs (88915: every 5 cm or 3 LEDs teilbar)**
- LED spacing: 8mm (88915: 16 mm)
- Luminous colours: White approx. 6500K, warm white approx. 3500K
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 10 metres**
- Scope of delivery: 5 metre roll, 5 in-feeder connectors, 2 end caps, 2 in-feeder caps, 30 fastening holders, 1 silicone gel tube
- **Graded and stored by binning codes**
- **Lifespan L70: ≥ 36,000 hours**

IP 67 Parallel RoHS REACH

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

Type	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Side Mini IP67	Red	5	7	2	600	0.26	120°	12	4	48	88980
Side Mini IP67	Yellow	5	7	2	600	0.29	120°	12	4	48	88981
Side Mini IP67	Blue	5	7	2	600	0.48	120°	12	4	48	88982
Side Mini IP67	Green	5	7	2	600	2.14	120°	12	4	48	88983
Side Mini IP67	W approx. 6500K	5	11	2.5	600	4.68	120°	12	3	36	88954
Side Mini IP67	WW approx. 3500K	5	9	3.5	300	3.93	120°	12	2	24	88915

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



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)





Easy shortening at prepared points



Plug connection

FITTING ACCESSORIES

Accessories	Article no.
Flex connector	88596
End cap	88989
In-feeder caps	88988
Silicone, neutral cross-linked, 5 ml tube	88670
Silicone, neutral cross-linked, 310 ml tube	89999

CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Select IP68
Single-colour White / Warm White in one Chip
Variable Luminous Colour Selection

Flexible LED strip in silicone sleeve with cold and warm white SMD LEDs for indoor and outdoor use

- **9.6W, 60 LED, 293 lm per metre**
- variable luminous colour selection
  Light control from 3000 K to 7000 K possible
- **Cuttable every 5 cm or 3 LEDs**
- LED spacing: 16.7 mm (300 LED)
- 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, 1 silicone gel tube, 20 holders, 2 end caps, 1 connection sleeve
- **Lifespan L70: ≥ 36,000 hours**

IP 68 5 m Parallel RoHS REACH

Energy efficiency class A

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/LED	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Select IP68 White / warm white	5	12	4	300	max. 4.88	120°	12	4	48	88628

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



Light control from 3000 K to 7000 K possible



zhu difeng@fotolia.com

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

SELECT Controller
Article no. 89454 (Page 401)



Optional accessories

LED table call transmitter or touch panels
Article no. 89477 (Page 411)



All aluminium profiles upwards of a 12 mm internal size (also see overview on Page 300)



FITTING ACCESSORIES

In-feeder



Accessories	Article no.
In-feeder	88626
Fastening holder	88568
Silicone in-feeder cap	88669
Connecting sleeve	88672
Silicone, neutral cross-linked, 5 ml tube	88670
Silicone, neutral cross-linked, 310 ml tube	89999

CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml

VARDAFLEX Neon





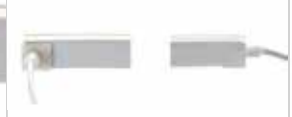
The completely sealed LED strip
for indoor and outdoor use

- 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

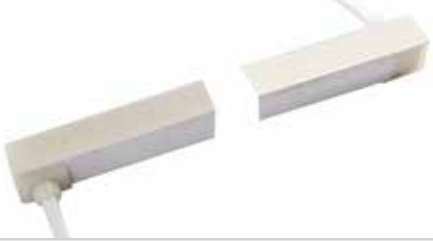
Seebrücke Niendorf

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

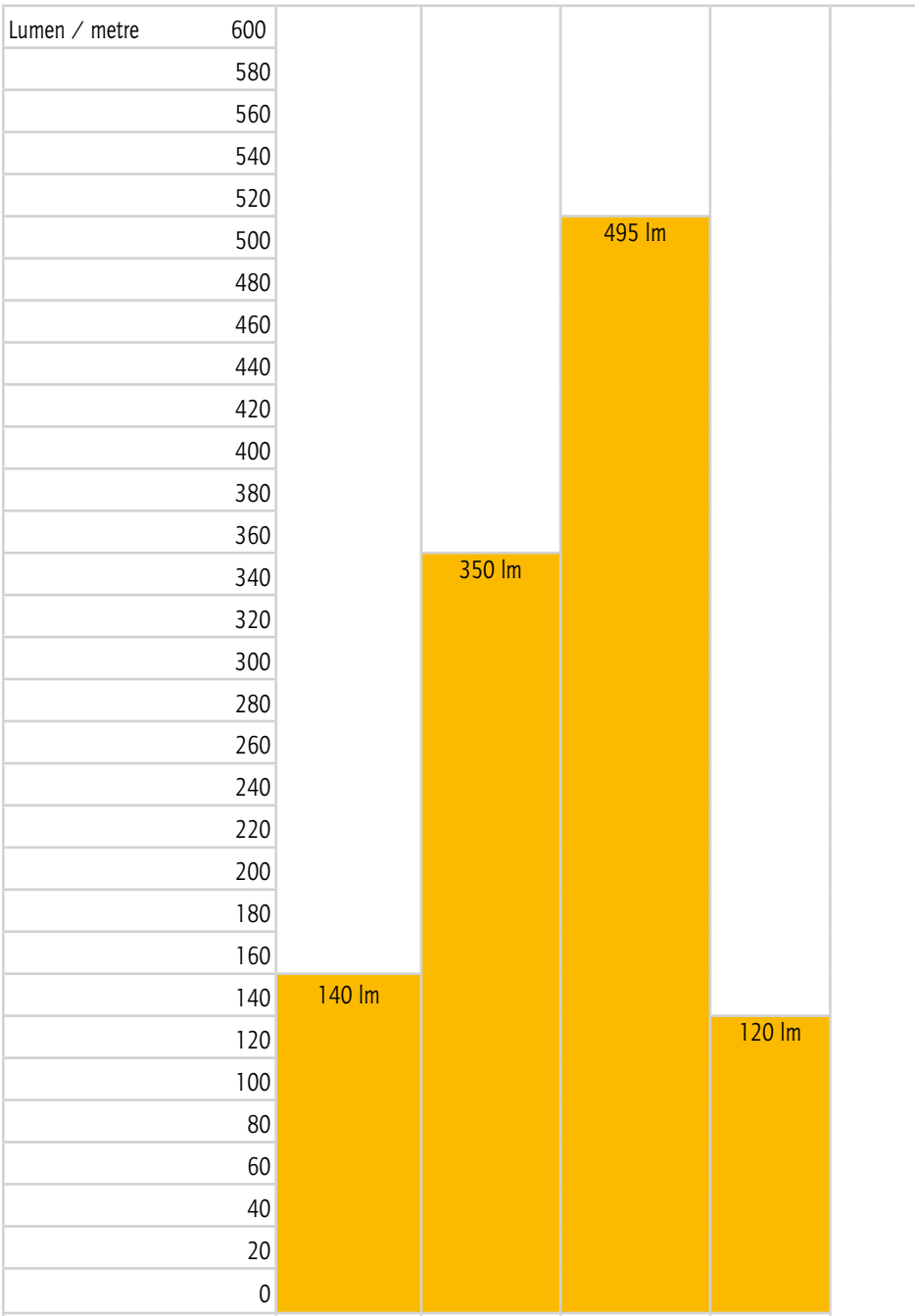
Do consider the following hints to ensure that your satisfaction with this LED strip lasts:

- 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 IK 08. Therefore keep loading ≤ IK 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:

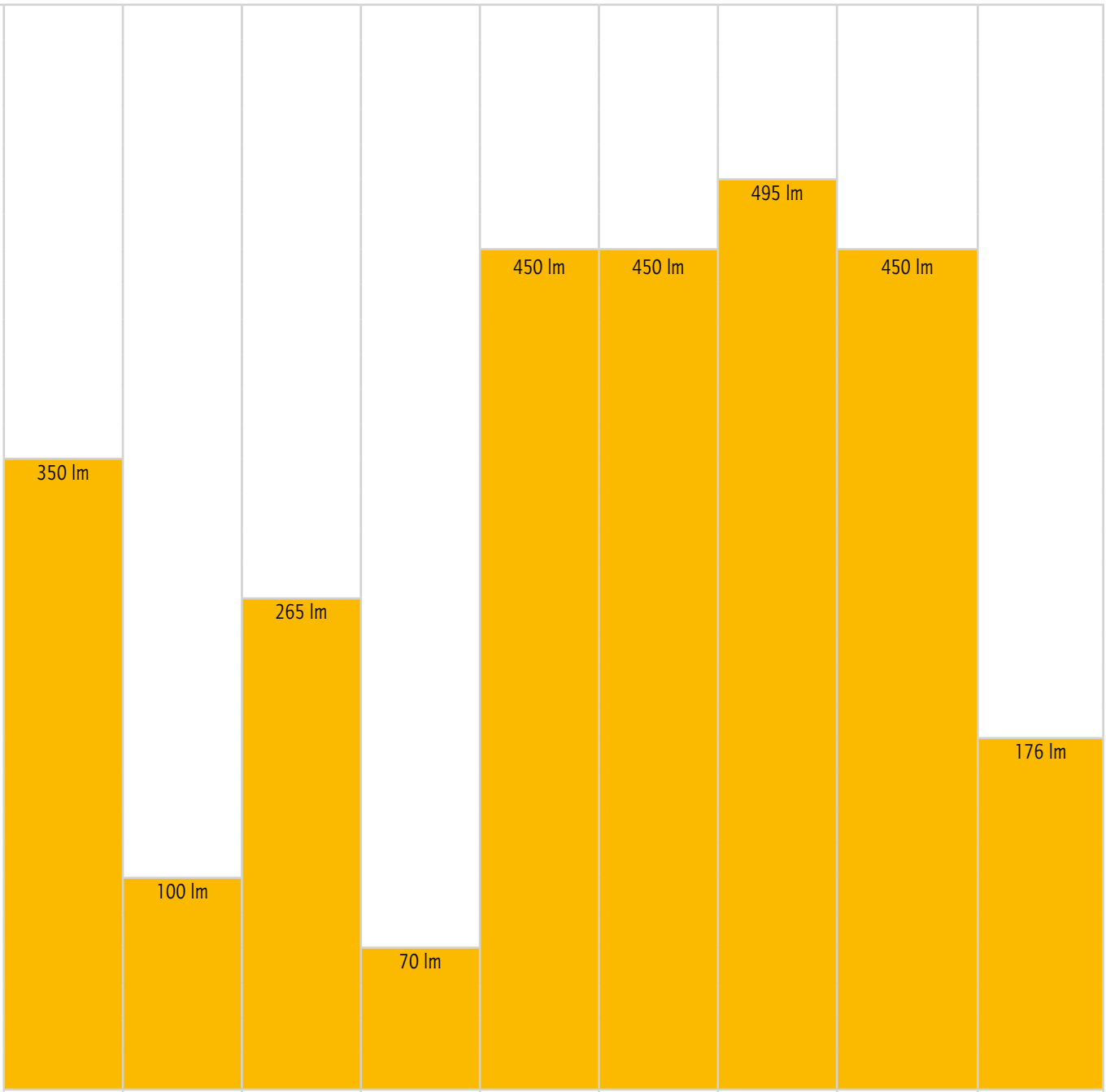
Neon	60 mm
Neon Tube	60 mm
Neon Mini	45 mm
Neon Mikro	65 mm
Neon Top	150 mm
Outdoor	30 mm
Piko	50 mm

- 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 24V 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!

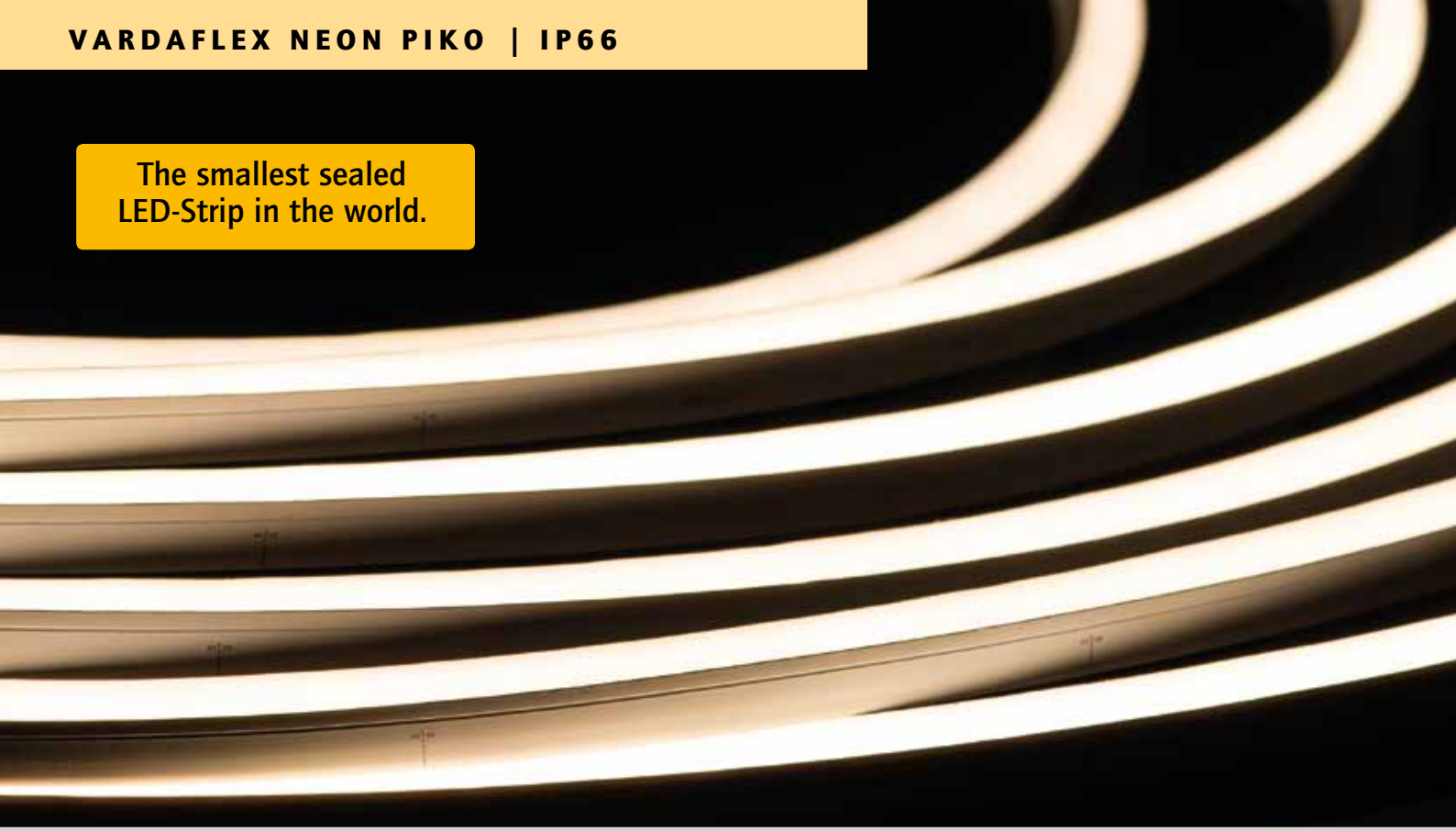
Brightness Comparison



Strip	VARDAflex Neon Piko Piko Top	VARDAflex Neon Mikro	VARDAflex Neon Mikro Top	VARDAflex Neon Mini
No. of LEDs	144/280	180 LED/m	180 LED/m	72 LED/m
Power	4.5W/m	12.5W/m	12.5W/m	5W/m
Volt	24V	24V	24V	24V
max. length metre one- and soubleside	10/20	6/-	6/-	15/30
Measurement Width x Heights mm	10x10	10x10	10x10	9x18
Bending radius mm	50	65	65	45
Customized production	yes p. 238/240	yes p. 242	yes p. 244	yes p. 248



VARDAflex Neon	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
60LED/m	60 LED/m	144 LED/m	60 LED/m	60 LED/m	56 LED/m	108 LED/m	108 LED/m	72 LED/m
12W/m	7.2W/m	12W/m	12W/m	15W/m	15W/m	11W/m	12W/m	12W/m
24V	24V	24V	24V	24V	24V	24V	24V	24V
10/20	10/20	10/20	10/20	5/-	5/-	15/-	15/-	5/-
11.5x21	11.5x21	11.5x21	11.5x21	11.5x21	11.5x21	16x17	16x17	16x17
60	60	60	60	60	60	150	150	150
yes p. 254	yes p. 254	yes	yes p. 262	yes p. 264	yes p. 270	yes p. 282	yes p. 278	yes p. 284



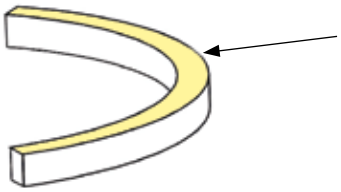
The smallest sealed LED-Strip in the world.

VARDAFLEX Neon Piko

NEW

Flexible LED-Strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor- and outdoor use, IP66

- **4.5W, 144 LED, 140 lm per metre**
- **cuttable every 8.33 cm or 12 LED**
- **LED spacing: 6.9mm**
- **Maximum length per connection: 20 metre**
- **Bending radius: 5 cm**
- Up to 20 metres installable without any interruption (feed-in both sides upwards of 10 metres).
- Scope of delivery: 20 or 10 metre roll, with in-feeder connectors provided each end (10m variant has an in-feeder connector an end cap).
- **Length of wire: 100 cm**
- Temperature range: -20 to +45°C
- Processing temperature: +10 to 45 °C
- **Lifespan L70: ≥36,000 hours**



IP 66 Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No. LED	Light flux lm/m	Beam angle	Volt V DC	Current mA	Power Watt	Articel no.
Neon Piko - 2700K	10	10	10	1440	140	160°	24	1,875	45	86613
Neon Piko - 3000K	10	10	10	1440	140	160°	24	1,875	45	86615
Neon Piko - 2700K	20	10	10	2880	140	160°	24	3,75	90	86773
Neon Piko - 3000K	20	10	10	2880	140	160°	24	3,75	90	86775

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 235	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 Meter				
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 Meter				
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 Meter				
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 Meter				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20

CALCULATION OF CUSTOMIZED LENGTH

Segments	Vf Neon Piko cm + Metre
Segment 1	8.33 cm (+X Metre)
Segment 2	16.66 cm (+X Metre)
Segment 3	24.99 cm (+X Metre)
Segment 4	33.32 cm (+X Metre)
Segment 5	41.65 cm (+X Metre)
Segment 6	49.98 cm (+X Metre)
Segment 7	58.31 cm (+X Metre)
Segment 8	66.64 cm (+X Metre)
Segment 9	74.97 cm (+X Metre)
Segment 10	83.30 cm (+X Metre)
Segment 11	91.63 cm (+X Metre)
	one side min. 16.66 cm

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 Metre.
   Than the ordering length would be 3.6664 Metre

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:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S86613 SU-ST-2441. 65 cm

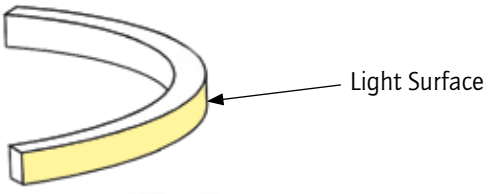


VARDAFLEX Neon Piko Top

NEW

Flexible LED-Strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor- and outdoor use, IP66

- **4.5W, 144 LED, 140 lm per metre**
- **cuttable every 8,33 cm or 12 LED**
- **LED spacing: 6.9 mm**
- **Maximum length per connection: 20 metre**
- **Bending radius: 5 cm**
- Up to 20 metres installable withour any interruption (feed-in both sides upwards of 10 metres).
- Scope of delivery: 20 or 10 metre roll, with in-feeder connectors provided each end (10m variant has an in-feeder connector an end cap).
- **Length of wire: 100 cm**
- Temperature range: -20 to +45°C
- Processing temperature: +10 to 45 °C
- **Lifespan L70: ≥36,000 hours**



IP 66 Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No. LED	Light flux lm/m	Beam angle	Volt V DC	Current mA	Power Watt	Articel no.
Neon Piko Top - 2700K	10	10	10	1440	140	160°	24	1.875	45	86633
Neon Piko Top - 3000K	10	10	10	1440	140	160°	24	1.875	45	86635
Neon Piko Top - 2700K	20	10	10	2880	140	160°	24	3.75	90	86783
Neon Piko Top - 3000K	20	10	10	2880	140	160°	24	3.75	90	86785

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 235	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 Meter				
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 Meter				
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 Meter				
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 Meter				
one connection	max. 10	max. 10	max. 10	max. 10
two connections	max. 20	max. 20	max. 20	max. 20

CALCULATION OF CUSTOMIZED LENGTH

Segments	Vf Neon Piko Top cm + Metre
Segment 1	8.33 cm (+X Metre)
Segment 2	16.66 cm (+X Metre)
Segment 3	24.99 cm (+X Metre)
Segment 4	33.32 cm (+X Metre)
Segment 5	41.65 cm (+X Metre)
Segment 6	49.,98 cm (+X Metre)
Segment 7	58.31 cm (+X Metre)
Segment 8	66.64 cm (+X Metre)
Segment 9	74.97 cm (+X Metre)
Segment 10	83.30 cm (+X Metre)
Segment 11	91.63 cm (+X Metre)
	one side min. 16.66 cm

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 Metre.
   Than the ordering length would be 3.6664 Metre

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

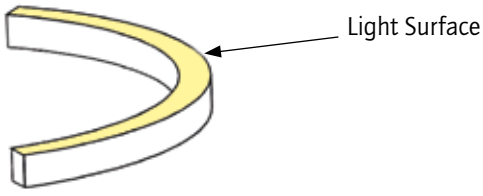
3. **Ordering**
   please give following informations for order:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S86633 SU-ST 2441.65 cm + 30 cm



VARDAFLEX Neon Mikro IP66 - Customized production - not on stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- 12.5W, 128 LED, 350 lm (3000 K) per Metre
- Maximum length per connection: 6 metres
- Bending radius: 6.5 cm
- Temperature range: -20 to +45 °C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 20,000 hours**



IP 66 Parallel RoHS REACH

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No. LED	Light flux lm/m	Beam angle	Volt V DC	Current mA	Power Watt	Energy efficiency class	Articel No.
Neon Mikro - 2700K	6	10	10	1092	320	120°	24	3.125	75	B	S83603
Neon Mikro - 3000K	6	10	10	1092	350	120°	24	3.125	75	B	S83605
Neon Mikro - Rot	6	10	10	1092	54	120°	24	3.125	75	E	S83600
Neon Mikro - Blau	6	10	10	1092	44	120°	24	3.125	75	E	S83602
Neon Mikro - Amber	6	10	10	1092	100	120°	24	3.125	75	E	S83601
Neon Mikro - Gold 1700K	6	10	10	1092	110	120°	24	3.125	75	D	S83611

TYPE OF CONNECTION

Only one connection

Type of connection				
one connection	**ST - Straight**	**SU - Bottom**	**SL - Side left**	**SR - Side right**
two connections Please see pictures on page 235	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 Metre				
one connection	max. 6	max. 6	max. 6	max. 6
two connections	-	-	-	-
max. length at length of wire 3 Metre				
one connection	-	-	-	-
two connections	-	-	-	-
max. length at length of wire 3 Metre				
one connection	-	-	-	-
two connections	-	-	-	-
max. length at length of wire 5 Metre				
one connection	-	-	-	-
two connections	-	-	-	-
max. length at length of wire 10 Metre				
one connection	-	-	-	-
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Cuttable every 3.85 cm

ORDERING INFORMATIONS

1. **Calculation of length:**
   The strips can be cut every 3.85 cm
   E.G.: you need 3.70 Metre.
   370 cm : 3.85 = 96
   96 x 3.85 cm = 369.6

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.

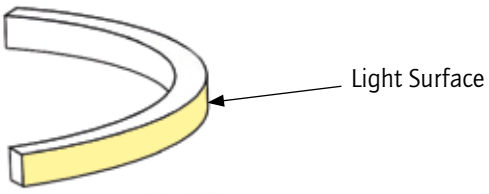
3. **Ordering**
   please give following informations for order:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S83605 SU-ST 369.6 cm + 30 cm



VARDAFLEX Neon Mikro Top IP66 - Customized production - not on stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- 12.5W, 182 LED, 495 lm (3000 K) per Metre
- Maximum length per connection: 6 metres
- Bending radius: 6.5 cm
- Temperature range: -20 to +45 °C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 20,000 hours**



IP 66 Parallel RoHS REACH

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No. LED	Light flux lm/m	Beam angle	Volt V DC	Current mA	Power Watt	Energy efficiency class	Articel No.
Neon Mikro - 2700K	6	10	10	1092	475	120°	24	3.125	75	A	S83633
Neon Mikro - 3000K	6	10	10	1092	495	120°	24	3.125	75	A	S83635
Neon Mikro - blue	6	10	10	1092	65	120°	24	3.125	75	E	S83632
Neon Mikro - gold 1700 K	6	10	10	1092	198	120°	24	3.125	75	B	S83641

TYPE OF CONNECTION

Only one connection

Type of connection				
one connection	**ST - Straight**	**SU - Bottom**	**SL - Side left**	**SR - Side right**
two connections Please see pictures on page 235	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 Meter				
one connection	max. 6	max. 6	max. 6	max. 6
two connections	-	-	-	-
max. length at length of wire 3 Mete				
one connection	-	-	-	-
two connections	-	-	-	-
max. length at length of wire 3 Mete				
one connection	-	-	-	-
two connections	-	-	-	-
max. length at length of wire 5 Mete				
one connection	-	-	-	-
two connections	-	-	-	-
max. length at length of wire 10 Meter				
one connection	-	-	-	-
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Cuttable every 3.85 cm

ORDERING INFORMATIONS

1. **Calculation of length:**
   The strips can be cut every 3.85 cm
   E.G.: you need 3.70 Metre.
   370 cm : 3.85 = 96
   96 x 3.85 cm = 369.6

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:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S83633 SU-ST 369.6 cm + 30 cm



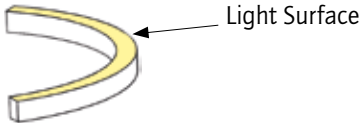
VARDAFLEX Neon Mini IP68 - from stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use, single-colour

- **5W (red: 3.5W), 72 LED, 120 lm per metre**
- **Cuttable every 8.3 cm or 6 LEDs (red: every 125 mm or 9 LEDs), LED spacing: 13.9 mm**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 30 metres**
- **Bending radius: 4.5 cm**
- Scope of delivery: 5, 15 or 30 metre roll, with in-feeder connectors provided at each end (5m and 15 m variant has an in-feeder connector and an end cap)

IP 68 1 m Parallel RoHS REACH

- **Up to 30 metres installable without any interruption (feed-in on both sides upwards of 15 metres).**
- Other white tones and colours available on request (e.g. 3000K, 4500K, 5700K, 6000K, blue, green, amber).
- Temperature range: -20 to 45°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥36,000 hours**



ORDERING INFORMATION

	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current mA	Power Watt	Energy efficiency class	Article no.
	Neon Mini UWW - 2700 K	5	9	18	360	120	160°	24	1040	25	B	86233
	Neon Mini WW - 3000 K	5	9	18	360	120	160°	24	1040	25	B	86239
	Neon Mini WW - 3500 K	5	9	18	360	120	160°	24	1040	25	B	86235
	Neon Mini - red	5	9	18	360	12	160°	24	730	17,5	E	86230
	Neon Mini - blue	5	9	18	360	12	160°	24	1040	25	E	86232
	Neon Mini UWW - 2700 K	15	9	18	1080	120	160°	24	3125	75	C	86243
	Neon Mini WW - 3500 K	15	9	18	1080	120	160°	24	3125	75	C	86245
	Neon Mini - blue	15	9	18	1080	12	160°	24	3125	75	E	86242
NEW	Neon Mini - 3000 K	15	9	18	1080	120	160°	24	3125	75	C	86249
	Neon Mini UWW - 2700 K	30	9	18	2160	120	160°	24	6250	150	C	86253
	Neon Mini WW - 3500 K	30	9	18	2160	120	160°	24	6250	150	C	86255
NEW	Neon Mini blue	30	9	18	2160	120	160°	24	6250	150	E	86252

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



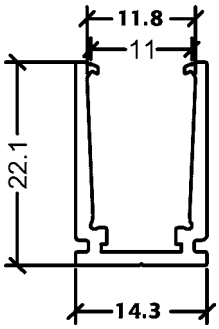


SCOPE FOR CONNECTIONS

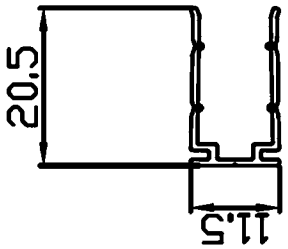


IP68 - pressed (from stock)

68355



68354



FITTING ACCESSORIES

Type	Art. no.
IP68 In-feeder Neon Mini PVC FC01 30 cm, pressed	86495
IP68 In-feeder Neon Mini PVC FC02 30 cm (with 2-sided in-feed), pressed	86496
IP68 end cap Neon Mini PVC, pressed	86497
Aluminum profile VARDAflex Neon Mini, with self lock, 2 metres	68355
Aluminum profile VARDAflex Neon Mini, without self lock, 2 metres	68354
PVC-profile VARDAfl. Neon Mikro Top (for indoor use) 2 metres	68358
Pressing tool PVC accessory	86080

Exact length of sealed connectors you will find on next pages.

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



Aluminum profile NEON Mini 2 metres (see on the left)



CAUTION:

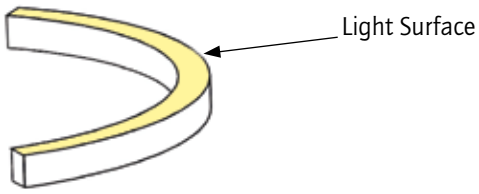
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon Mini IP68 - Customized production - not on stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use, single-colour

- **5W (red: 3,5W), 72 LED, 120 lm per metre**
- **Maximum length per connection: 30 metres**
- **Bending radius: 4.5 cm**
- **Up to 0 metres installable without any interruption (feed-in on both sides upwards of 15 metres).**
- Other white tones and colours available on request (e.g. 3000K, 4500K, 5700K, 6000K, blue, green, amber).
- Temperature range: -20 to 45°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

ORDERING INFORMATION

	Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current mA	Power Watt	Energy efficiency class	Article no.
	Neon Mini UWW - 2700 K	5	9	18	360	120	160°	24	1040	25	B	S86233
	Neon Mini WW - 3000 K	5	9	18	360	120	160°	24	1040	25	B	S86239
	Neon Mini WW - 3500 K	5	9	18	360	120	160°	24	1040	25	B	S86235
	Neon Mini - red	5	9	18	360	12	160°	24	730	17,5	E	S86230
	Neon Mini - blue	5	9	18	360	12	160°	24	1040	25	E	S86232
	Neon Mini UWW - 2700 K	15	9	18	1080	120	160°	24	3125	75	C	S86243
	Neon Mini WW - 3500 K	15	9	18	1080	120	160°	24	3125	75	C	S86245
	Neon Mini - blue	15	9	18	1080	12	160°	24	3125	75	E	S86242
NEW	Neon Mini - 3000 K	15	9	18	1080	120	160°	24	3125	75	C	S86249
	Neon Mini UWW - 2700 K	30	9	18	2160	120	160°	24	6250	150	C	S86253
	Neon Mini WW - 3500 K	30	9	18	2160	120	160°	24	6250	150	C	S86255
NEW	Neon Mini blue	30	9	18	2160	120	160°	24	6250	150	E	S86252

TYPE OF CONNECTION

Type of connection				
connection	**ST - Straight**	**SU - Bottom**	**SL - Side left**	**SR - Side right**
two connections Please see pictures on page 235	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 Meter				
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 Meter				
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 Meter				
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 Meter				
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 Meter				
one connection	max. 15	max. 15	max. 15	max. 15
two connections	max 30	max 30	max 30	max 30

CALCULATION OF CUSTOMIZED LENGTH

Segments	Vf Neon Mini cm + Metre	Vf Neon Mini red cm + Metre
Segment 1	8.33 cm (+X Metre)	12,5 cm (+X Metre)
Segment 2	16.66 cm (+X Metre)	25,0 cm (+X Metre)
Segment 3	24.99 cm (+X Metre)	37,5 cm (+X Metre)
Segment 4	33.32 cm (+X Metre)	50,0 cm (+X Metre)
Segment 5	41.65 cm (+X Metre)	62,5 cm (+X Metre)
Segment 6	49.,98 cm (+X Metre)	75,0 cm (+X Metre)
Segment 7	58.31 cm (+X Metre)	87,5 cm (+X Metre)
Segment 8	66.64 cm (+X Metre)	
Segment 9	74.97 cm (+X Metre)	
Segment 10	83.30 cm (+X Metre)	
Segment 11	91.63 cm (+X Metre)	
	one side min. 16.66 cm	one side min. 25 cm

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 Metre.
   Than the ordering length would be 3.6664 Metre

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

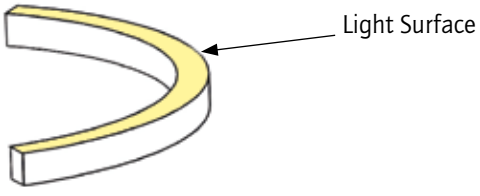
3. **Ordering**
   please give following informations for order:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S86243 SU-ST 366.64 cm + 30 cm



VARDAFLEX Neon Mini Tube IP68 - from stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use, single-colour

- **5W, 72 LED, 120 lm per metre**
- **Cuttable every 8.3 cm or 6 LEDs**
- **LED spacing: 13.9mm**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 30 metres**
- **Bending radius: 6 cm**
- Fitting width: 9 mm
- Scope of delivery: 5 metre roll, in-feeder connector and end cap as provided by others
- Other white tones and colours available on request (e.g. 3000 K, 4500 K, 5700 K, red, green, blue, amber).
- Other lengths available on request.
- Temperature range: -20 to +40°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current mA	Power Watt	Article no.
Neon UWW - 2700K	5	11.5	26	360	120	270°	24	1040	25	86203
Neon WW - 3500K	5	11.5	26	360	120	270°	24	1040	25	86205

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



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



Our suggestion Aluminum 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

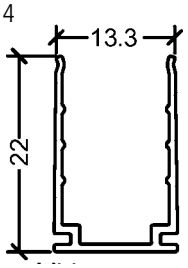
SCOPE FOR CONNECTIONS



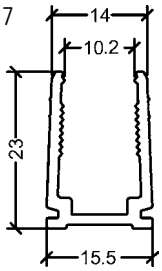
IP68 - pressed
(from stock)



68314



68318 , 68317



FITTING ACCESSORIES

Type	Art. no.
IP68 In-feeder unit Neon Mini Tube PVC FC01 30 cm, pressed	86490
IP68 In-feeder unit Neon Mini Tube PVC FC02 30 cm (with a 2-sided in-feed), pressed	86491
IP68 end cap Neon Mini Tube PVC, pressed	86492
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
PVC profile, length 2 metres, transparent (for indoor use)	68317
PVC profile, length 2 metres, white (for indoor use)	68318
Pressing tool PVC accessory	86080

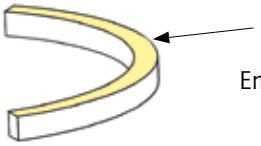
Refer to Page 288/289 for fitting instructions.



VARDAFLEX Neon IP68 - from stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use, single-colour

- **12W (amber 7.2W), 60 LED, 350 lm (3000K) per metre**
- **Cuttable every 10 cm or 6 LEDs (amber: every 16.7 cm or 10 LEDs), LED spacing: 16.67 mm**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- 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)
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Can be fed-in anew - thus installable practically endlessly.
- 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).
- Other lengths available on request.
- Temperature range: -20 to +45°C.
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



Energy efficiency class **B**

86031, 86032, 86042 Energy efficiency class **E**

IP 68 · 1 m · Parallel · RoHS · REACH

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon W - 5700K	10	11.5	21	600	395	160°	24	5	120	86034
Neon WW - 3000K	10	11.5	21	600	350	160°	24	5	120	86035
Neon UWW - 2700K	10	11.5	21	600	320	160°	24	5	120	86033
Neon UWW - 2700K, CRI 80	10	11.5	21	600	350	160°	24	5	120	86037
Neon Blue	10	11.5	21	600	44	160°	24	5	120	86032
Neon Amber	10	11.5	21	600	100	160°	24	3	72	86031
Neon W - 5700K	20	11.5	21	1200	395	160°	24	10	240	86044
Neon WW - 3000K	20	11.5	21	1200	350	160°	24	10	240	86045
Neon UWW - 2700K	20	11.5	21	1200	320	160°	24	10	240	86043
Neon Blue	20	11.5	21	1200	44	160°	24	10	240	86042

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



SCOPE FOR CONNECTIONS



IP68 - screw-type
(from stock)



IP68 - pressed (from stock)



IP65 - pluggable (from stock)



IP65 - Central in-feeder unit
(from stock)

FITTING ACCESSORIES

Type	Art. 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 In-feeder Neon PVC, pressed	86297
IP65 Central in-feeder Neon, pressed	86089
IP68 In-feeder Neon FC01 30 cm, pluggable	86098
IP68 In-feeder Neon FC02 30 cm (with a 2-sided in-feed), pluggable	86088
IP68 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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Silicone 20 ml	86993
Silicone, neutral cross-linked, 310 ml tube	89999
Tool case	10087
Pressing tool direct connector/central in-feeder /PVC accessory	86080
Neon sample case	10089

Art.-No. 86099



Art.-No. 86288



Art.-No. 86297







Art.-No . 86080

Art.-No. 10089



Art.-No. 10087



Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



Our suggestion Aluminum profile (68314)



PVC profile NEON
2 metres (68317)



PVC profile NEON
2 metres (68318)



CAUTION:

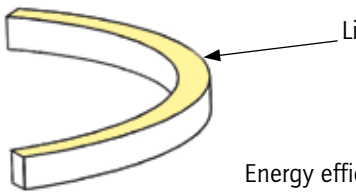
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon IP68 - Customized production - not on stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use, single-colour

- **12W (amber 7.2W), 60 LED, 350 lm (3000K) per metre**
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Can be fed-in anew - thus installable practically endlessly.
- 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).
- Temperature range: -20 to +45°C.
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



Energy efficiency class B

86031, 86032, 86042 Energy efficiency class E

IP 68 1 m Parallel RoHS REACH

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon W - 5700K	10	11.5	21	600	395	160°	24	5	120	S86034
Neon WW - 3000K	10	11.5	21	600	350	160°	24	5	120	S86035
Neon UWW - 2700K	10	11.5	21	600	320	160°	24	5	120	S86033
Neon UWW - 2700K, CRI 80	10	11.5	21	600	350	160°	24	5	120	S86037
Neon Blue	10	11.5	21	600	44	160°	24	5	120	S86032
Neon Amber	10	11.5	21	600	100	160°	24	3	72	S86031
Neon W - 5700K	20	11.5	21	1200	395	160°	24	10	240	S86044
Neon WW - 3000K	20	11.5	21	1200	350	160°	24	10	240	S86045
Neon UWW - 2700K	20	11.5	21	1200	320	160°	24	10	240	S86043
Neon Blue	20	11.5	21	1200	44	160°	24	10	240	S86042

TYPE OF CONNECTION

Type of connection				
connection	**ST - Straight**	**SU - Bottom**	**SL - Side left**	**SR - Side right**
two connections Please see pictures on page 235	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 Meter				
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 Meter				
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 Meter				
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 Meter				
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 Meter				
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	Vf Neon cm + Metre	Vf Neon red cm + Metre
Segment 1	10 cm (+X Metre)	16.7 cm (+X Metre)
Segment 2	20 cm (+X Metre)	33.4 cm (+X Metre)
Segment 3	30 cm (+X Metre)	50.1 cm (+X Metre)
Segment 4	40 cm (+X Metre)	66.8 cm (+X Metre)
Segment 5	50 cm (+X Metre)	83.5 cm (+X Metre)
Segment 6	60 cm (+X Metre)	
Segment 7	70 cm (+X Metre)	
Segment 8	80 cm (+X Metre)	
Segment 9	90 cm (+X Metre)	
	one side min. 20 cm	

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 Metre.
   Than the ordering length would be 3.70 Metre

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

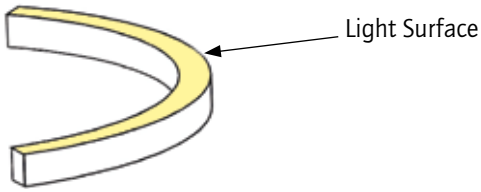
3. **Ordering**
   please give following informations for order:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S86034 SU-ST 370 cm + 30 cm



VARDAFLEX Neon Select 2500 - 5000 K, IP68 - from Stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **12W, 144 LED, 265 lm per metre**
- **Cuttable every 8.3 cm or 12 LEDs**
- **LED spacing: 6.94 mm**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- Scope of delivery: 10 metre roll, in-feeder connector and an end cap as provided
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Customized length with sealed connectors on request.**
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Select	10	11.5	21	1440	265	160°	24	5	120	86005

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



Required accessories

LED power supply
(see overview on Page 356)



SELECT Controller
Article no. 89454 (Page 401)



CAUTION:

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

Optional accessories

Touch panel (as from Page 435)



Our suggestion Aluminum 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

SCOPE FOR CONNECTIONS



IP68 - pressed (from stock)



Art.-No . 86080

Art.-No. 10089



Art.-No. 10087



FITTING ACCESSORIES

Type	Art. no.
IP68 In-feeder unit Neon Select PVC FC01 30 cm, pressed	86000
IP68 In-feeder unit Neon Select PVC FC02 30 cm, pressed	86001
IP68 End cap Neon Select PVC, pressed	86002
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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Silicone 20 ml	86993
Silicone, neutral cross-linked, 310 ml tube	89999
Tool case	10087
Pressing tool PVC accessory	86080
Neon sample case	10089

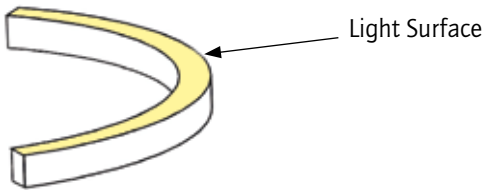
Refer to Page 288/289 for fitting instructions.



VARDAFLEX Neon Color - from stock (pressed Version)

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant PVC, for indoor and outdoor use, single-colour

- **10.6W (red 6.5W), 60 LED, 75 lm (green per metre**
- **Cuttable every 10 cm or 6 LEDs**
- **LED spacing: 16.67 mm (red: every 16.7 cm or 10 LEDs)**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- Scope of delivery: 5 metre roll, in-feeder connector and an end cap as provided
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Can be fed-in anew - thus installable practically endlessly.
- Other lengths available on request.
- Temperature range: -10 to +45°C
- Processing temperature: +10 to +45 °C
- **Customized length with sealed connectors on request.**
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class E

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Color Red	5	11.5	21	300	65	160°	24	1.354	32.5	86260
Neon Color Blue	5	11.5	21	300	8	160°	24	2.21	53	86262
Neon Color Green	5	11.5	21	300	75	160°	24	2.21	53	86267

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



Art.-No. 86080



Art.-No. 10089



Art.-No. 10087







Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

SCOPE FOR CONNECTIONS



IP68 - screw-type
(from stock)



IP68 - pressed (from stock)



IP65 - pluggable
(from stock)



IP65 - Central in-feeder unit
(from stock)

FITTING ACCESSORIES

Type	Art. 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 In-feeder Neon PVC, pressed	86297
IP65 Central in-feeder Neon, pressed	86089
IP68 In-feeder Neon FC01 30 cm, pluggable	86098
IP68 In-feeder Neon FC02 30 cm (with a 2-sided in-feed), pluggable	86088
IP68 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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Silicone 20 ml	86993
Silicone, neutral cross-linked, 310 ml tube	89999
Tool case	10087
Pressing tool direct connector/central in-feeder /PVC accessory	86080
Neon sample case	10089

Refer to Page 288/289 for fitting instructions.

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



Our suggestion Aluminum profile (68314)



PVC profile NEON 2 metres (68317)



PVC profile NEON 2 metres (68318)



CAUTION:

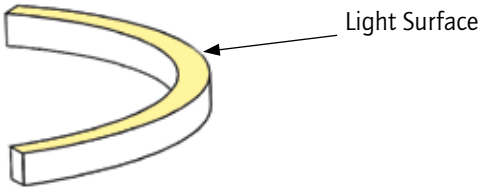
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon RGB IP68 - from stock (pressed Version)

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **12W, 60 LED, 70 lm per metre**
- **Cuttable every 10 cm or 6 LEDs**
- **LED spacing: 16.7m**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- Scope of delivery: 10 or 20 metre roll, with in-feeder connectors provided at each end (10m variant has an in-feeder connector and an end cap)
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class E

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon RGB	10	11.5	21	600	70	160°	24	5	120	86036
Neon RGB	20	11.5	21	1200	70	160°	24	10	240	86046

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



FITTING ACCESSORIES

Type	Art. 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 unit Neon RGB FC01 30 cm, pluggable	86093
IP65 In-feeder unit 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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Silicone 20 ml	86993
Silicone, neutral cross-linked, 310 ml tube	89999
Tool case	10087
Pressing tool Direct connector/central in-feeder / PVC in-feeder & end cap	86080
Neon sample case	10089

SCOPE FOR CONNECTIONS



IP68 - screw-type
(from stock)



IP68 - pressed (from stock)



IP65 - pluggable
(from stock)

Exact length of sealed connectors you will find on next pages.

Art.-No. 86094



Art.-No. 86289



Art.-No. 86292







Art.-No . 86080

Art.-No. 10089



Art.-No. 10087



Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



RGB Controller
Article no. 80460
(see overview on Page 382/384)



CAUTION:

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

Optional accessories

Repeater
Article no. 80491, 88510
from Page 442)



Touch panel (from Page 435)



Our suggestion Aluminum profile (68314)



PVC profile NEON 2 metres (68318)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml

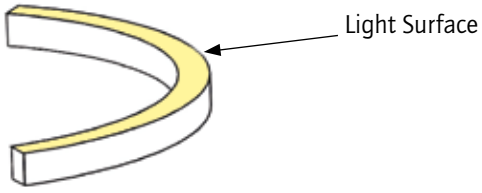


AIDA Prima

VARDAFLEX Neon RGB IP68 - Customized production - not on stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **12W, 60 LED, 70 lm per metre**
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class E

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon RGB	10	11.5	21	600	70	160°	24	5	120	S86036
Neon RGB	20	11.5	21	1200	70	160°	24	10	240	S86046

TYPE OF CONNECTION

Type of connection				
connection	**ST - Straight**	**SU - Bottom**	**SL - Side left**	**SR - Side right**
two connections Please see pictures on page 235	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 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 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 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 5 Metre				
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 Metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	max 10	max 10	max 10	max 10

CALCULATION OF CUSTOMIZED LENGTH

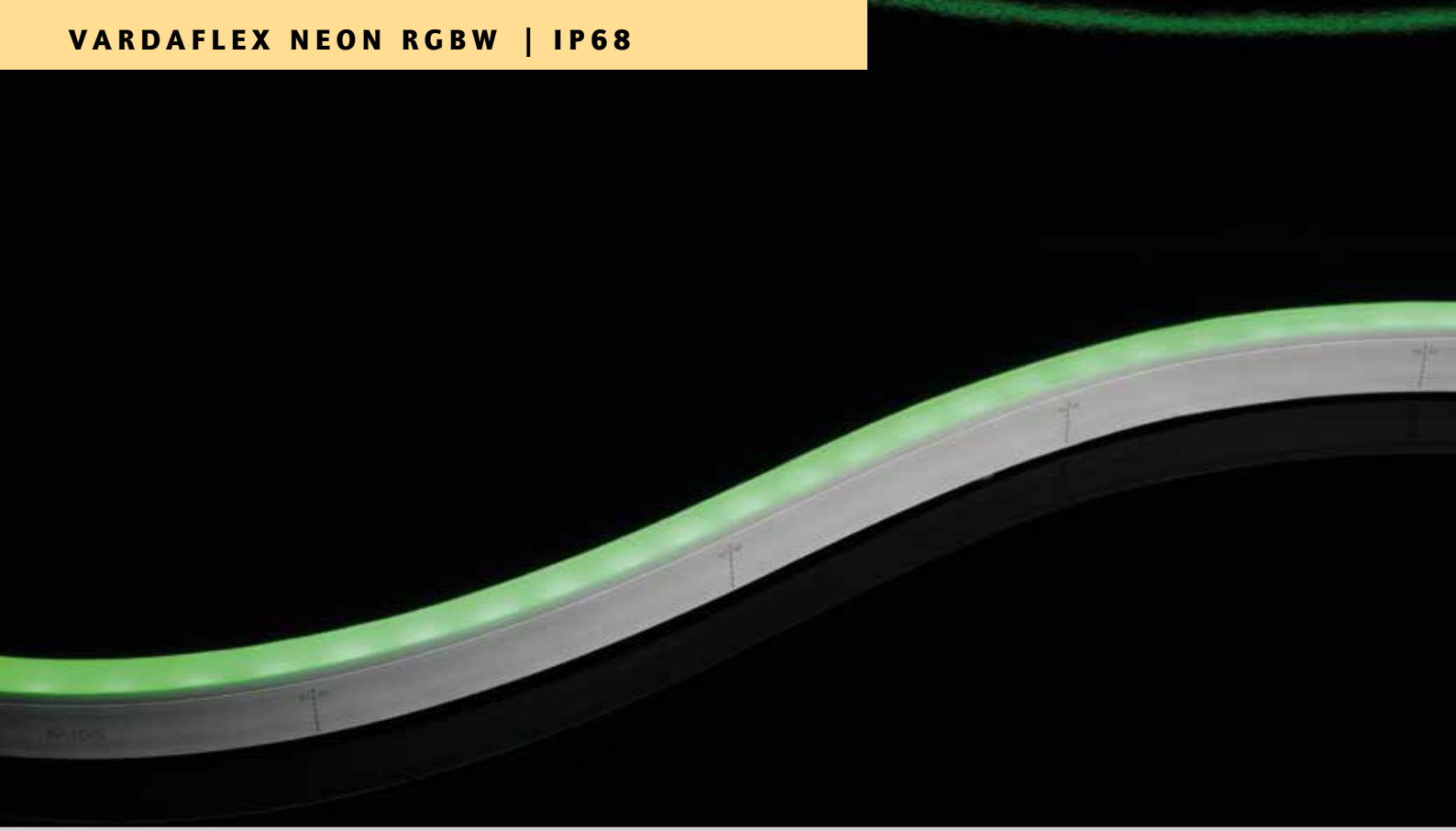
Segments	Vf Neon cm + Metre
Segment 1	10 cm (+X Metre)
Segment 2	20 cm (+X Metre)
Segment 3	30 cm (+X Metre)
Segment 4	40 cm (+X Metre)
Segment 5	50 cm (+X Metre)
Segment 6	60 cm (+X Metre)
Segment 7	70 cm (+X Metre)
Segment 8	80 cm (+X Metre)
Segment 9	90 cm (+X Metre)
	one side min. 20 cm

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 Metre.
   Than the ordering length would be 3.70 Metre

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:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S86036 SU-ST 370 cm + 30 cm

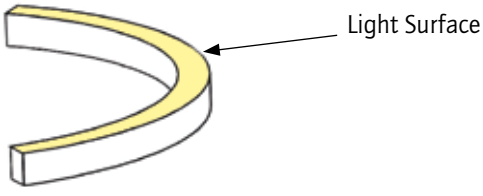


VARDAFLEX Neon RGBW - from stock

NEW

Flexible LED-Strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor- and outdoor use

- **15W, 60 LED, 450 lm per metre**
- **cuttable every 10 cm or 6 LED**
- **21, LED spacing: 16.7mm**
- Maximum length per connection: 5 metre
- **Bending radius: 6 cm**
- **Scope of delivery: 5 metre roll, with in-feeder connectors provided at one end and end-cap at the other end.**
- Attention: do not run all colours at same time under maximum load (max. 80%).
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
VARDAflex Neon RGBW (2700K)	5	11,5	21	300	450	160°	24	3.125	75	86136
VARDAflex Neon RGBW (4000K)	5	11,5	21	300	450	160°	24	3.125	75	86137

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 235	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 Metre				
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 Metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 5 Metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 10 Metre				
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	Art. no.
IP68 End cap Neon RGB, screw-type	86092
Silicone 20 ml	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 Profil, Länge 2 Meter, transparent (for indoor use)	68317
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



RGB Controller
Article no. 80462
(see overview on Page 382/384)



CAUTION:

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

Optional accessories

Repeater
Article no. 80491, 88510
from Page 442)



Touch panel (from Page 435)



Our suggestion Aluminum profile (68314)



PVC profile NEON 2 metres (68318)



CAUTION:

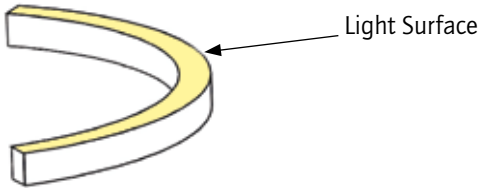
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon RGB Intelligence - from stock (pressed Version)

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- 12W, 56 LED, 107 lm per Metre
- 86016: Cuttable every 12.5 cm or 7 LEDs, LED spacing: 17,86
  86116: Cuttable every 50 cm or 28 LEDs, LED spacing: 17,86
- Easy installation due to solder-free connectors.
- Maximum length per connection: 20 metres
- Bending radius: 6 cm
- Scope of delivery: 10 metre roll, with in-feeder connector and end cap
- Temperature range: -20 to +45 °C
- Processing temperature: +10 to +45 °C
- Programmable on DMX basis with decoder Art.-No. 89600
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class E

ORDERING INFORMATION

Type	Pixel m	Length m	Width mm	Height mm	No. LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
VARDAflex Neon RGB Intelligence Eight	8	10	11.5	21	560	107	160°	24	5	120	86106
VARDAflex Neon RGB Intelligence Two	2	10	11.5	21	560	107	160°	24	5	120	86116

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



Required accessories

LED power supply
(see overview on Page 356)



DMX-SPI Decoder
Article no. 89600
(see Page 434)



CAUTION:

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

SCOPE FOR CONNECTIONS



IP68 - pressed (from stock)



Art.-No.
86080

Art.-No. 10087



Required accessories
if no DMX control available

Touch panel (Page 437)



DMX digital wire
Art no. 89990



FITTING ACCESSORIES

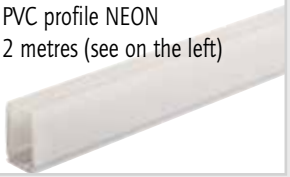
Type	Art. No.
Infeeder Neon Select FC01 IP68 30cm	86000
Endcap Neon Select IP68	86002
Silicone 20 ml	86993
PVC profile, length 2 metres, white (for indoor use)	68316
PVC profile, length 2 metres, white (for indoor use)	68318
PVC profile, length 2 metres, transparent (for indoor use)	68317
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314

Exact length of sealed connectors you will find on next pages.

Refer to Page 288/289 for fitting instructions.

Optional accessories

PVC profile NEON
2 metres (see on the left)



CAUTION:

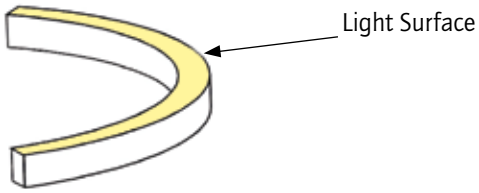
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon RGB Intelligence - Customized production - not on stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- 12W, 56 LED, 107 lm per Metre
- Maximum length per connection: 10 metres
- Bending radius: 6 cm
- Up to 10 metres installable without any interruption
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- Programmable on DMX basis with decoder Art no. 89600.
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class E

ORDERING INFORMATION

Type	Pixel m	Length m	Width mm	Height mm	No. LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
VARDAflex Neon RGB Intelligence Eight	8	10	11.5	21	560	107	160°	24	5	120	S86106
VARDAflex Neon RGB Intelligence Two	2	10	11.5	21	560	107	160°	24	5	120	S86116

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 235	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 Metre				
one connection	max. 7	max. 7	max. 7	max. 7
two connections	-	-	-	-
max. length at length of wire 1 Metre				
one connection	max. 7	max. 7	max. 7	max. 7
two connections	-	-	-	-
max. length at length of wire 3 Metre				
one connection	max. 7	max. 7	max. 7	max. 7
two connections	-	-	-	-
max. length at length of wire 5 Metre				
one connection	max. 6	max. 6	max. 6	max. 6
two connections	-	-	-	-
max. length at length of wire 10 Metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

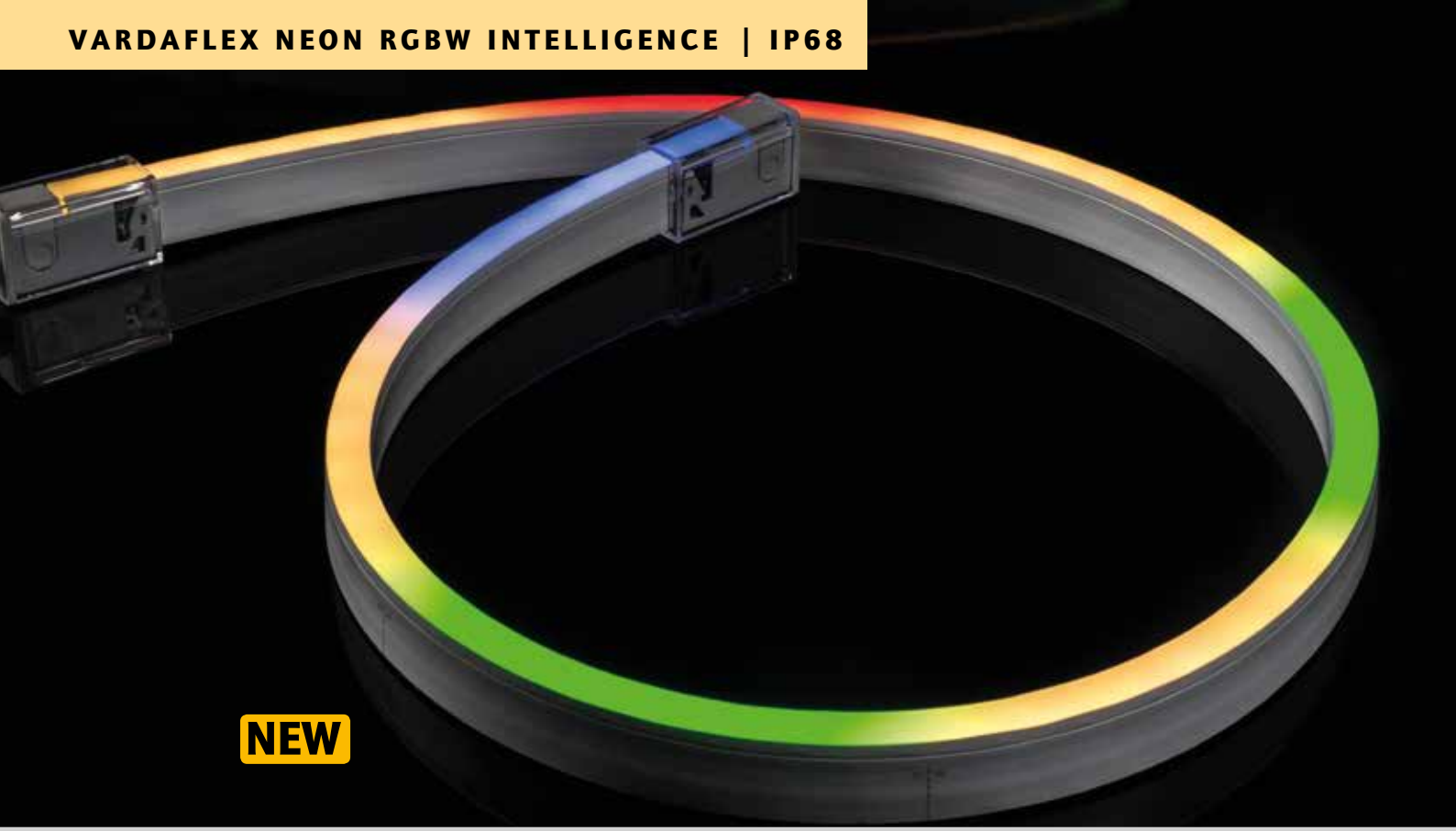
Segments	Vf Neon RGB Intelligence eight cm + Metre	Vf Neon RGB Intelligence two cm + Metre
Segment 1	12.5 cm (+X Metre)	50 cm (+X Metre)
Segment 2	25 cm (+X Metre)	-
Segment 3	37.5 cm (+X Metre)	-
Segment 4	50 cm (+X Metre)	-
Segment 5	62.5 cm (+X Metre)	-
Segment 6	75 cm (+X Metre)	-
Segment 7	87.5 cm (+X Metre)	-

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 Metre.
   Than the ordering length would be 3.625 Metre

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.

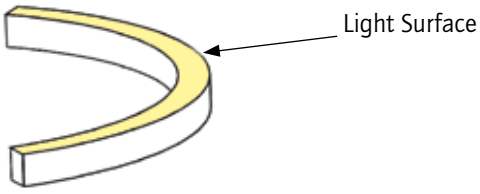
3. **Ordering**
   please give following informations for order:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S86106 SU-ST 362.5 cm + 30 cm



VARDAFLEX Neon RGBW Intelligence Eight - from stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant PVC, white, for indoor and outdoor use

- 15W, 56 LED, 450 lm per Metre
- Cuttable every 12.5 cm or 7 LEDs
- LED spacing: 17.8 m
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 5 metres**
- **Bending radius: 6 cm**
- Scope of delivery: 5 metre roll, with in-feeder connector and end cap
- **Caution! Do not run all colours at the same time under maximum load (max. 80%)**
- Temperature range: -20 to +45°C
- Processing temperature: +10 - 45 °C
- programmable on DMX basis with decoder art no. 89600
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Pixel m	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
VARDAflex Neon RGBW Intelligence Eight 2700 K	8	5	11.5	21	280	450	160°	24	3.125	75	86107

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 235	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 Metre				
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 Metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 5 Metre				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 10 Metre				
one connection	max. 2.9	max. 2.9	max. 2.9	max. 2.9
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Segments	Vf Neon RGB Intelligence eight cm + Metre
Segment 1	12.5 cm (+X Metre)
Segment 2	25 cm (+X Metre)
Segment 3	37.5 cm (+X Metre)
Segment 4	50 cm (+X Metre)
Segment 5	62.5 cm (+X Metre)
Segment 6	75 cm (+X Metre)
Segment 7	87.5 cm (+X Metre)

Ordering Informations on page 269

FROM STOCK



IP68 - pressed

FITTING ACCESSORIES

Type	Art. no.
IP68 In-feeder unit Neon Select RGB(W) Intelligence PVC FC01 30 cm, pressed	86000
IP68 In-feeder unit Neon Select RGB(W) Intelligence PVC FC02 30 cm, pressed	86001
IP68 End cap Neon Select RGB(W) Intelligence PVC, pressed	86002
Silicone 20 ml	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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319

Required accessories

LED power supply
(see overview on Page 356)



DMX-SPI Decoder
Article no. 89600
(see Page 434)



CAUTION:

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

Required accessories
if no DMX control available

Touch panel (Page 437)

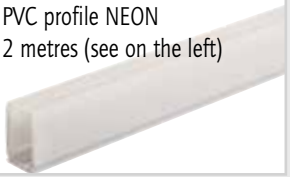


DMX digital wire
Art no. 89990



Optional accessories

PVC profile NEON
2 metres (see on the left)



CAUTION:

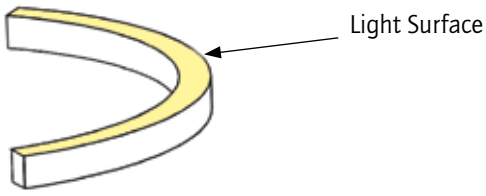
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon Tube IP68 - from stock (pressed Version)

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use, single-colour

- **12W, 60 LED, 350 lm (3000K) per metre**
- **Cuttable every 10 cm or 6 LEDs, LED spacing: 16.7mm**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- Scope of delivery: 10 or 20 metre roll, with in-feeder connectors provided at each end 10m variant has an in-feeder connector and an end cap)
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- 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
- Other lengths available on request.
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Customized length with sealed connectors on request.**
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Tube WW - 3000K	10	11.5	29	600	350	270°	24	5	120	86015
Neon Tube UWW - 2700K	10	11.5	29	600	320	270°	24	5	120	86013
Neon Tube WW - 3000K	20	11.5	29	1200	350	270°	24	10	240	86025
Neon Tube UWW - 2700K	20	11.5	29	1200	320	270°	24	10	240	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)

Art.-No. 86199





Art.-No. 86188

Art.-No. 86181



Art.-No. 86195





Art.-No . 86080

Art.-No. 10089



Art.-No. 10087



FITTING ACCESSORIES

Type	Art. no.
IP68 In-feeder Neon Tube FC01 PVC 30 cm	86181
IP68 In-feeder Neon Tube FC02 PVC 30 cm (bei 2-seitiger Einspeisung)	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 unit 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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Silicone 20 ml	86993
Silicone, neutral cross-linked, 310 ml tube	89999
Tool case	10087
Pressing tool Direct connector/central in-feeder	86080
Neon sample case	10089

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



Our suggestion Aluminum profile (68314)



PVC profile NEON
2 metres (68317)

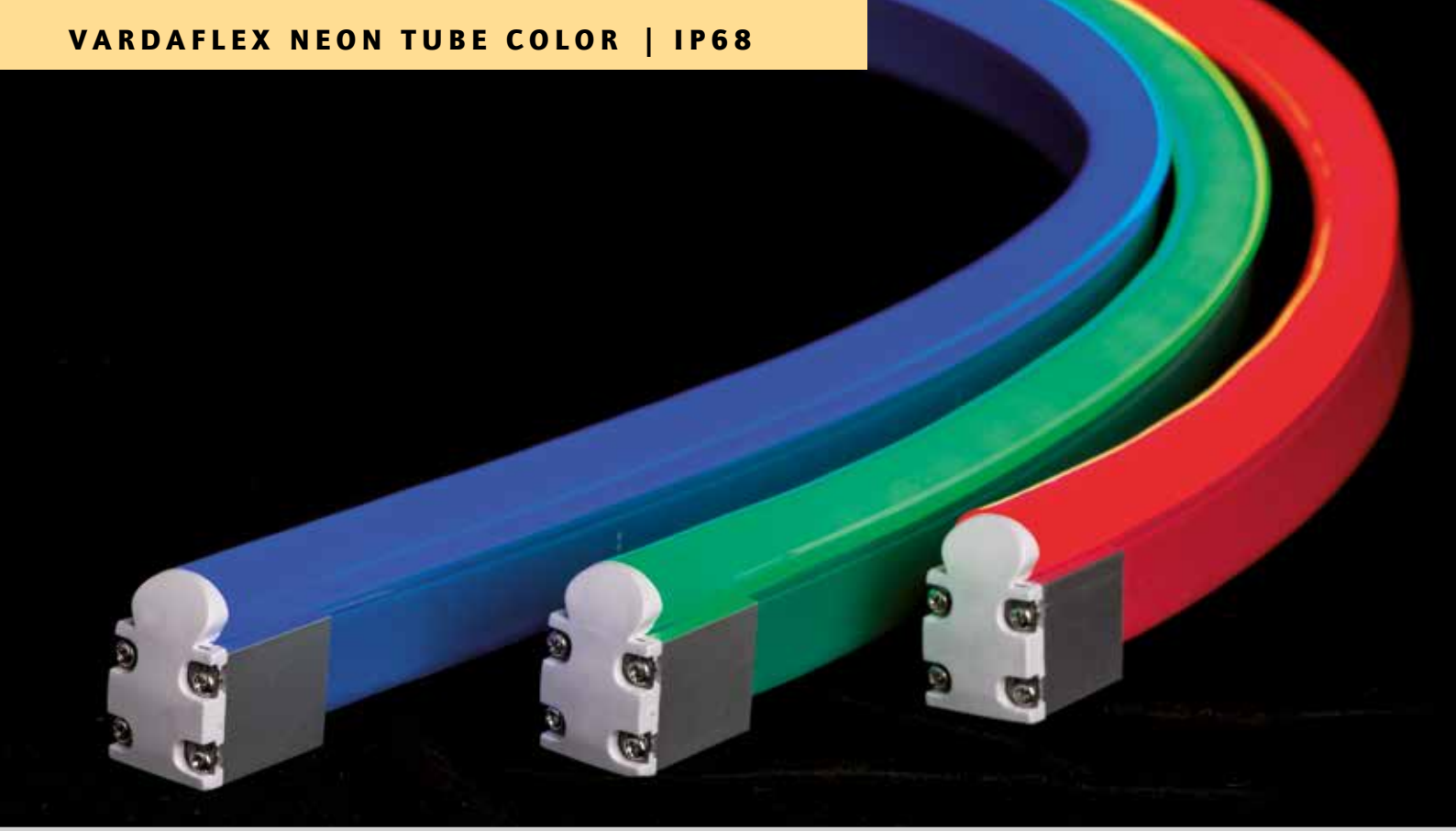


PVC-Profil NEON
2 metres (68318)



CAUTION:

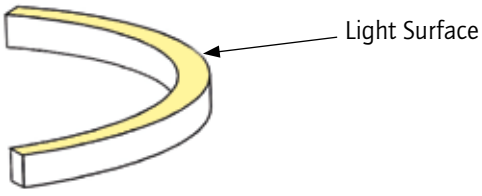
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon Tube Color IP68 - from stock (pressed Version)

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant PVC, for indoor and outdoor use

- **10.6W (red 6.5), 60 LED, 135 lm (green per metre**
- **Cuttable every 10 cm or 6 LEDs, LED spacing: 16.7mm (red: every 16.7 cm or 10 LEDs)**
- Easy installation due to solder-free connectors.
- **Maximum length per connection: 20 metres**
- **Bending radius: 6 cm**
- Scope of delivery: 5 metre roll, in-feeder connector and an end cap as provided.
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Can be fed-in anew - thus installable practically endlessly.
- Other lengths available on request.
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Customized length with sealed connectors on request.**
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class E

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Tube Color Red	5	11.5	29	300	75	270°	24	1.354	32.5	86270
Neon Tube Color Blue	5	11.5	29	300	10	270°	24	2.21	53	86272
Neon Tube Color Green	5	11.5	29	300	135	270°	24	2.21	53	86277

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







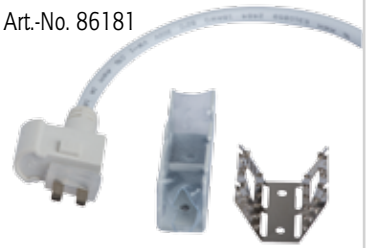
Art.-No. 86199



Art.-No. 86188



Art.-No. 86181



Art.-No. 86195





Art.-No . 86080

Art.-No. 10089



Art.-No. 10087



SCOPE FOR CONNECTIONS



IP68 - screw-type
(from stock)



IP65 - pluggable
(from stock)



IP68 - pressed (from stock)

FITTING ACCESSORIES

Type	Art. Nr.
IP68 In-feeder Neon Tube FC01 PVC 30 cm	86181
IP68 In-feeder Neon Tube FC02 PVC 30 cm (bei 2-seitiger Einspeisung)	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 unit 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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Silicone 20 ml	86993
Silicone, neutral cross-linked, 310 ml tube	89999
Tool case	10087
Pressing tool Direct connector/central in-feeder	86080
Neon sample case	10089

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



Our suggestion Aluminum profile (68314)



PVC profile NEON
2 metres (68317)



PVC profile NEON
2 metres (68318)



CAUTION:

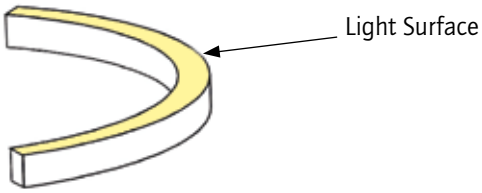
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon Tube RGB IP68 - from stock (pressed Version)

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **12W, 60 LED, 70 lm per metre**
- **Cuttable every 10 cm or 6 LEDs, LED spacing: 16.7 mm**
- Easy installation due to solder-free connectors.
- **Bending radius: 6 cm**
- Installation width 11.5 mm
- 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)
- Up to 20 metres installable without any interruption (feed-in on both sides upwards of 10 metres).
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Customized length with sealed connectors on request.**
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class E

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Tube RGB	10	11.5	29	600	70	210°	24	5	120	86016
Neon Tube RGB	20	11.5	29	1200	70	210°	24	10	240	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)



Art.-No .
86080

Art.-No. 10089



Art.-No. 10087



FITTING ACCESSORIES

Type	Art. no.
IP68 In-feeder Neon Tube RGB FC01 PVC 30 cm	86193
IP68 In-feeder Neon Tube RGB FC02 PVC 30 cm (with 2-sided feed-in)	86194
IP68 End cap Neon Tube RGB PVC 30	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 feed-in),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 feed-in), pluggable	86187
IP65 End cap Neon Tube RGB, pluggable	86199
IP65 Flex connector Neon Tube RGB - 30 cm, pluggable	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
Aluminum profile ECO VARDAflex Neon, width 13.8 mm, height 22 mm, length 2 metres	68314
Aluminum profile VARDAflex Neon, width 20 mm, height 25 mm, length 50 millimetres	68319
Silicone 20 ml	86993
Silicone, neutral cross-linked, 310 ml-Tube	89999
Tool case	10087
Pressing tool Direct connector /central in-feeder	86080
Neon sample case	10089

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



RGB Controller
Article no. 80460 (see overview on Page 382/384)



CAUTION:

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

Optional accessories

Repeater
Article no. 80491, 88510
(from Page 442)



Touch panel (from Page 435)



Aluminum 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

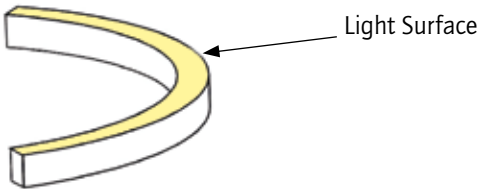


VARDAFLEX Neon SVQ - from stock

NEW

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **12W, 108 LED, 450 lm (3000K) per metre**
- **Cuttable every 5.56 cm or 6 LEDs**
- **LED spacing: 9.3 mm**
- **Bending radius: 15 cm**
- Scope of delivery: 10 metre roll, in-feeder connector and end cap provided.
- **Up to 10 metres installable without any interruption**
- Other white tones available on request (e.g. 2400 K, 4000 K, 4500 K, 5700 K).
- Other lengths available on request.
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon SVQ WW - 3000 K	10	16	17	1080	450	160°	24	5	120	86165
Neon SVQ UWW - 2700 K	10	16	17	1080	400	160°	24	5	120	86163

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 235	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 Meter				
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 Meter				
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 Meter				
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 Meter				
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 Meter				
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	Vf Neon Top cm + Metre
Segment 1	5.56 cm (+X Metre)
Segment 2	11.12 cm (+X Metre)
Segment 3	16.68 cm (+X Metre)
Segment 4	22.24 cm (+X Metre)
Segment 5	27.8 cm (+X Metre)
Segment 6	33.36 cm (+X Metre)
Segment 7	38.92 cm (+X Metre)
Segment 8	44.48 cm (+X Metre)
Segment 9	50.04 cm (+X Metre)
Segment 10	55.6 cm (+X Metre)
Segment 11	61.16 cm (+X Metre)
Segment 12	66.72 cm (+X Metre)
Segment 13	72.28 cm (+X Metre)
Segment 14	77.84 cm (+X Metre)
Segment 15	83.4 cm (+X Metre)
Segment 16	88.96 cm (+X Metre)
Segment 17	94.52 cm (+X Metre)
	one side min. 16.68 cm

Ordering Informations on page 283

FROM STOCK



ST-IP68 injection molded connector straight

FITTING ACCESSORIES

Type	Article no.
IP68 End cap Neon Top, pressed	86175
Tool case	10087
Pressing tool for PVC accessory	86180
Aluminum profile NEON Top 2 metres	68345
PVC profile NEON Top 2 metres, white	68348

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)

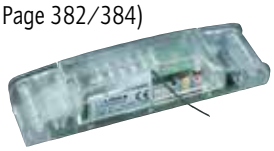


CAUTION:

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

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)



Aluminum profile NEON Top
2 metres
(see on the left)



CAUTION:

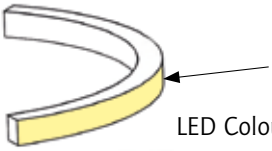
When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml



VARDAFLEX Neon Top IP68 - from stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **11W (amber and red: 7.2W), 108 LED, 495 lm (3500K) per metre**
- **Cuttable every 5.56 cm (amber and red 8.33 cm),**
- **LED spacing: 9.3 mm**
- Easy installation due to solder-free connectors.
- **Bending radius: 15 cm**
- Scope of delivery: 5 or 10 metre roll, in-feeder connector and end cap provided.
  15 metre roll with in-feeder on both sides
- **Up to 15 metres installable without any interruption (feed-in on both sides upwards of 15 metres).**
- Other white tones available on request (e.g. 2400 K, 4000 K, 4500 K, 5700 K, green).
- Other lengths available on request.
- Temperature range: -20 to +45 °C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



IP 68 1 m Parallel RoHS REACH

LED Colour: WW, UWW, amber, red
Energy efficiency class B

LED Colour: blue
Energy efficiency class E

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Top WW - 3500 K	5	16	17	540	495	160°	24	2,29	55	86075
Neon Top UWW - 2700 K	5	16	17	540	495	160°	24	2,29	55	86073
Neon Top Blue	5	16	17	540	65	160°	24	2,29	55	86072
Neon Top WW - 3000 K CRI 80	10	16	17	1080	540	160°	24	2,29	110	86059
Neon Top WW - 3500 K	10	16	17	1080	495	160°	24	4,59	110	86055
Neon Top UWW - 2700 K CRI 80	10	16	17	1080	540	160°	24	2,29	110	86057
Neon Top UWW - 2700 K	10	16	17	1080	495	160°	24	4,59	110	86053
Neon Top Amber	10	16	17	1080	180	160°	24	3	72	86051
Neon Top Blue	10	16	17	1080	65	160°	24	4,59	110	86052
Neon Top Red	10	16	17	1080	180	160°	24	3	72	86050
Neon Top WW - 3500 K	15	16	17	1620	495	160°	24	6,88	165	86065
Neon Top UWW - 2700 K	15	16	17	1620	495	160°	24	6,88	165	86063
Neon Top Blue	15	16	17	1620	65	160°	24	6,88	165	86062

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



Required accessories

LED power supply
(see overview on Page 356)



CAUTION:

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

SCOPE FOR CONNECTIONS



IP68 - pressed (from stock)

FITTING ACCESSORIES

IP68 In-feeder Neon Top
Article no. 86170
upwards of 15 metres
Article no. 86171



Pressing tool needed

Article no. 86175





Art.-No. 86180

Art.-No. 10089



Art.-No. 10087



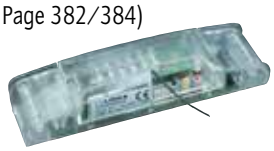
Type	Article no.
IP68 In-feeder Neon Top PVC FC01, pressed	86170
IP68 In-feeder Neon Top FC02, pressed	86171
IP68 End cap Neon Top, pressed	86175
Tool case	10087
Pressing tool for PVC accessory	86180
Aluminum profile NEON Top 2 metres	68345
PVC profile NEON Top 2 metres, white	68348

Exact length of sealed connectors you will find on next pages.

Refer to Page 288/289 for fitting instructions.

Optional accessories

Dimmer
Article no. 89450, 80474
(see overview on Page 382/384)

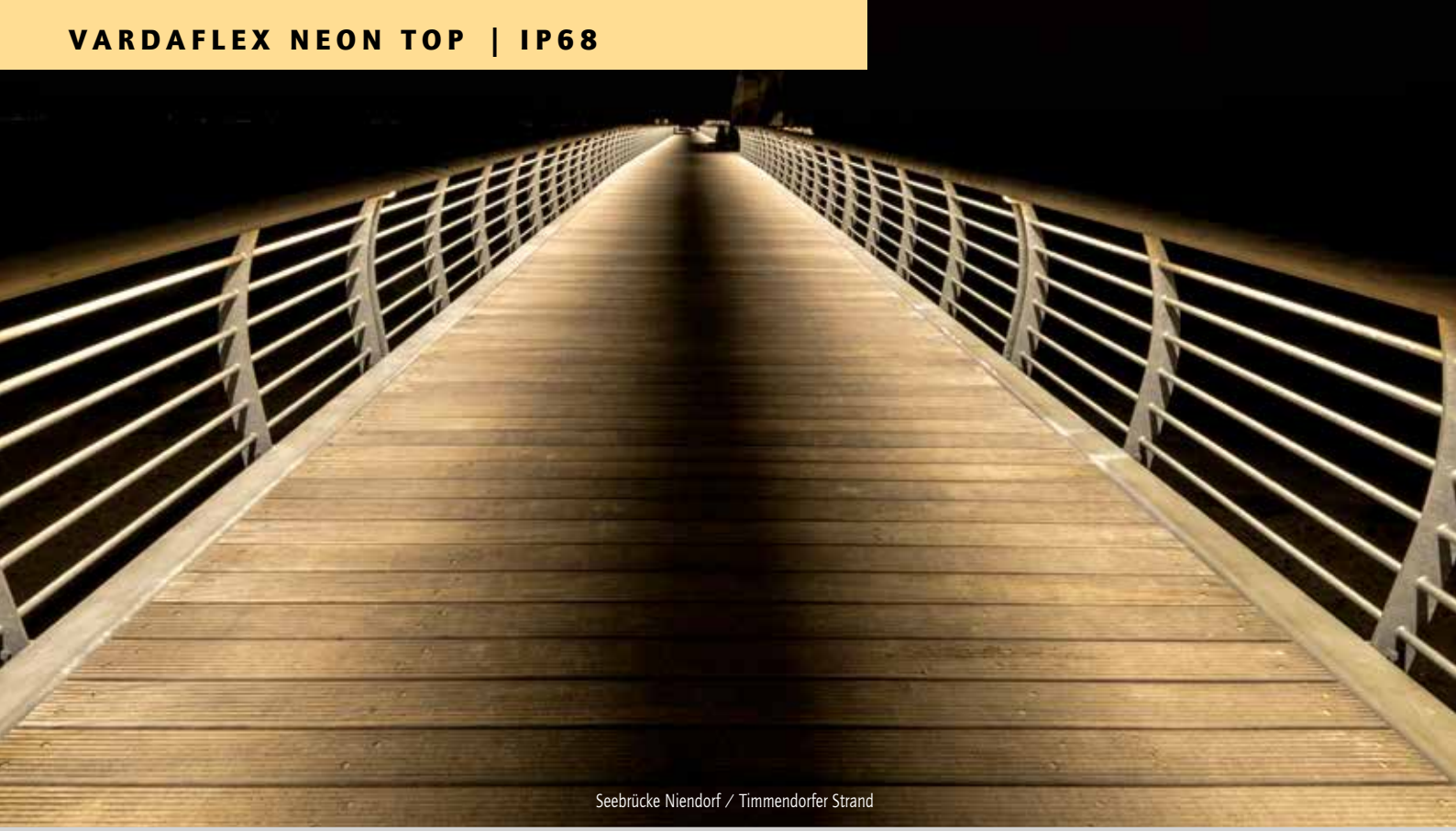


Aluminum profile NEON Top
2 metres
(see on the left)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml

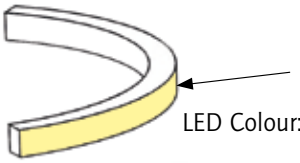


Seebrücke Niendorf / Timmendorfer Strand

VARDAFLEX Neon Top IP68 - Customized production - not on stock

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **11W (amber and red: 7.2W), 108 LED, 495 lm (3500K) per metre**
- **LED spacing: 9.3 mm**
- **Bending radius: 15 cm**
- **Up to 15 metres installable without any interruption (feed-in on both sides upwards of 10 metres).**
- Other white tones available on request (e.g. 2400 K, 4000 K, 4500 K, 5700 K, green).
- Temperature range: -20 to +45°C
- Processing temperature: +10 to +45 °C
- **Lifespan L70: ≥ 36,000 hours**



Light Surface

LED Colour: WW, UWW, amber, red
Energy efficiency class

LED Colour: blue
Energy efficiency class



IP 68 1 m Parallel RoHS REACH

ORDERING INFORMATION

Colour	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Top WW - 3500 K	5	16	17	540	495	160°	24	2,29	55	S86075
Neon Top UWW - 2700 K	5	16	17	540	495	160°	24	2,29	55	S86073
Neon Top Blue	5	16	17	540	65	160°	24	2,29	55	S86072
Neon Top WW - 3000 K CRI 80	10	16	17	1080	540	160°	24	2,29	110	S86059
Neon Top WW - 3500 K	10	16	17	1080	495	160°	24	4,59	110	S86055
Neon Top UWW - 2700 K CRI 80	10	16	17	1080	540	160°	24	2,29	110	S86057
Neon Top UWW - 2700 K	10	16	17	1080	495	160°	24	4,59	110	S86053
Neon Top Amber	10	16	17	1080	180	160°	24	3	72	S86051
Neon Top Blue	10	16	17	1080	65	160°	24	4,59	110	S86052
Neon Top Red	10	16	17	1080	180	160°	24	3	72	S86050
Neon Top WW - 3500 K	15	16	17	1620	495	160°	24	6,88	165	S86065
Neon Top UWW - 2700 K	15	16	17	1620	495	160°	24	6,88	165	S86063
Neon Top Blue	15	16	17	1620	65	160°	24	6,88	165	S86062

TYPE OF CONNECTION

Type of connection						
connection	**ST - Straight**	**SU - Bottom**	**SL - Side left**	**SR - Side right**	**MU - Bottom middle**	**Z**
two connections Please see pictures on page 235	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 Meter						
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 Meter						
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 Meter						
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 Meter						
one connection	max. 10	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 Meter						
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	Vf Neon Top cm + Metre	Vf Neon Top red/amber cm + Metre
Segment 1	5.56 cm (+X Metre)	8,33 cm (+X Metre)
Segment 2	11.12 cm (+X Metre)	16.66 cm (+X Metre)
Segment 3	16.68 cm (+X Metre)	24.99 cm (+X Metre)
Segment 4	22.24 cm (+X Metre)	33.32 cm (+X Metre)
Segment 5	27.8 cm (+X Metre)	41.65 cm (+X Metre)
Segment 6	33.36 cm (+X Metre)	49.98 cm (+X Metre)
Segment 7	38.92 cm (+X Metre)	58.31 cm (+X Metre)
Segment 8	44.48 cm (+X Metre)	66.64 cm (+X Metre)
Segment 9	50.04 cm (+X Metre)	74.97 cm (+X Metre)
Segment 10	55.6 cm (+X Metre)	83.3 cm (+X Metre)
Segment 11	61.16 cm (+X Metre)	91.63 cm (+X Metre)
Segment 12	66.72 cm (+X Metre)	
Segment 13	72.28 cm (+X Metre)	
Segment 14	77.84 cm (+X Metre)	
Segment 15	83.4 cm (+X Metre)	
Segment 16	88.96 cm (+X Metre)	
Segment 17	94.52 cm (+X Metre)	
	one side min. 16.68 cm	one side min. 24.99 cm

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 Metre.
   Than the ordering length would be 3.6672 Metre

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:
   Articel-Nr. Strip + Abbr. connector + length + wire length
   S86075 SU-ST 366.72 cm + 30 cm

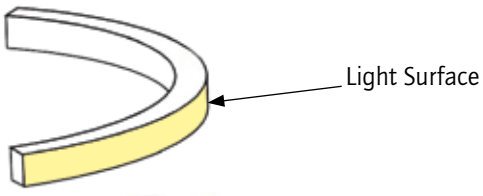


VARDAFLEX Neon Top RGB - from stock

NEW

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use, IP67

- **12W, 72 LED, 176 lm per metre**
- **Cuttable every 8.33 cm or 6 LEDs,**
- **LED spacing: 13.9 mm**
- Maximum length per connection: 5 metre
- **Bending radius: 15 cm**
- 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**



IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Top RGB	5	16	17	360	176	160°	24	2.5	60	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 235	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 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 1 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 3 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 5 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 10 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Segments	Vf Neon Top cm + Metre
Segment 1	8,33 cm (+X Metre)
Segment 2	16,66 cm (+X Metre)
Segment 3	24,99 cm (+X Metre)
Segment 4	33,32 cm (+X Metre)
Segment 5	41,65 cm (+X Metre)
Segment 6	49,98 cm (+X Metre)
Segment 7	58,31 cm (+X Metre)
Segment 8	66,64 cm (+X Metre)
Segment 9	74,97 cm (+X Metre)
Segment 10	83,3 cm (+X Metre)
Segment 11	91,63 cm (+X Metre)
	one side min. 24,99 cm

Ordering Informations on page 249

FROM STOCK



SU - IP68 injection molded connector from the bottom

FITTING ACCESSORIES

Type	Article no.
IP68 End cap Neon Top, PVC pressed	86175
Tool case	10087
Aluminum profile NEON Top 2 metres	68345
Pressing tool for PVC accessory	86180
PVC profile NEON Top 2 metres, white	68348

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



RGB Controller
Article no. 80460
(see overview on Page 382/384)



CAUTION:

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

Optional accessories

Repeater
Article no. 80491, 88510
(from Page 442)



Touch panel (from Page 435)

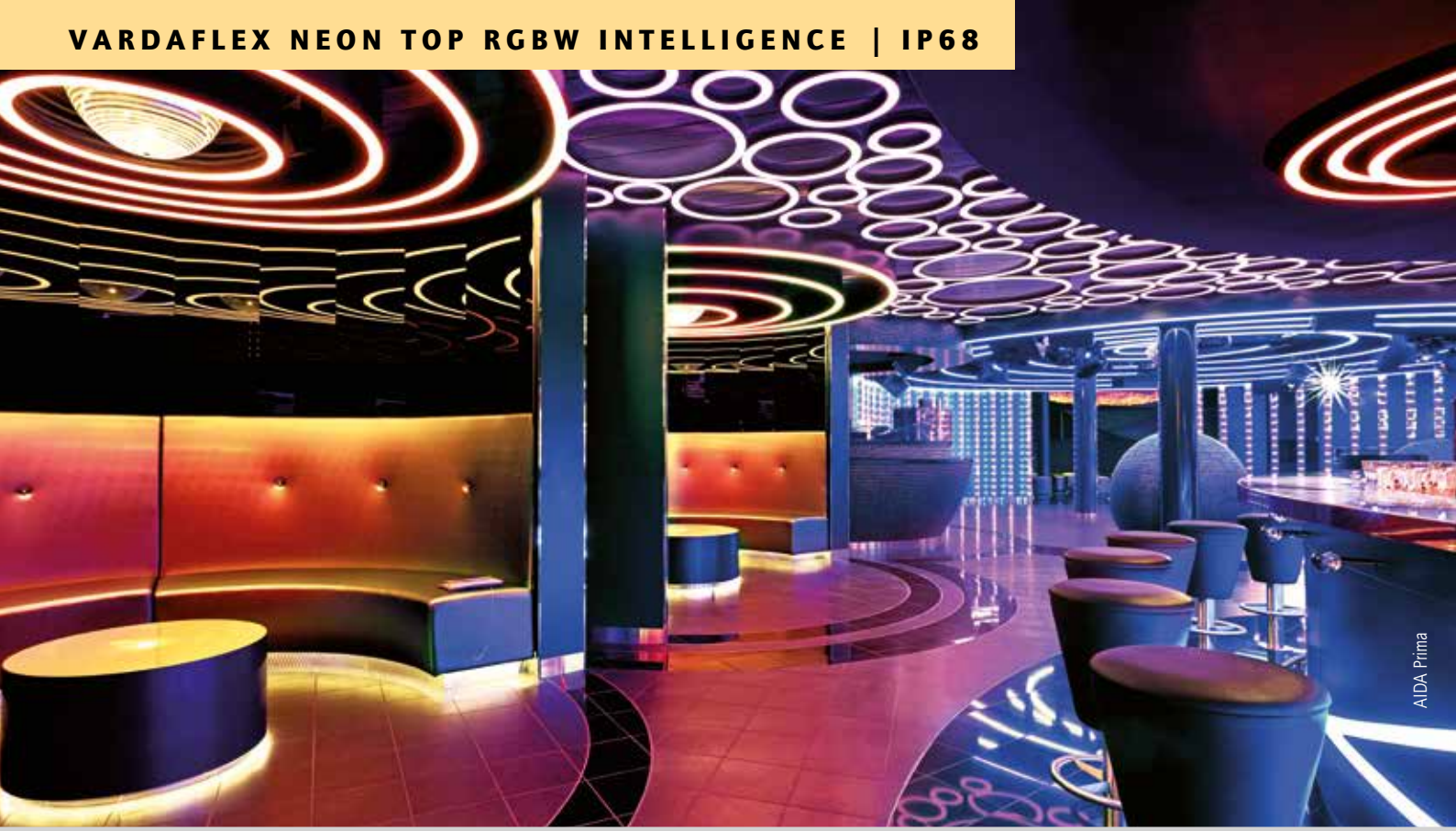


Aluminum profile NEON Top 2 metres
(see on the left)



CAUTION:

When processing, only use **neutral cross-linked silicone!**
e.g. Article no. 89999, 310 ml

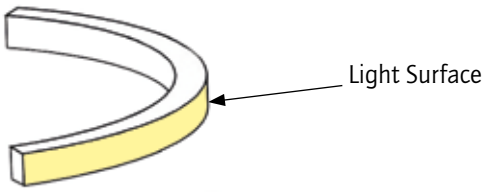


VARDAFLEX Neon Top RGBW Intelligence Twelve - from stock

NEW

Flexible LED strip sealed in UV, chlorine, salt water and solvent-resistant white PVC, for indoor and outdoor use

- **15W, 108 LED, 400lm per metre**
- **Cuttable every 5.56 cm or 9 LEDs**
- **LED spacing: 9.25 mm**
- Maximum length per connection: 5 metre
- **Bending radius: 15 cm**
- Scope of delivery: 5 metre roll, with in-feeder connectors provided at one end and end-cap at the other end.
- **Caution! Do not run all colours at the same time under maximum load (max. 80%)**
- Temperature range: -20 to +45°C
- Processing temperature: +10 - 45 °C
- Programmable on DMX basis with decoder art no. 89600
- **Lifespan L70: ≥ 36,000 hours**



CE IP 68 1 m Parallel RoHS REACH

Energy efficiency class B

ORDERING INFORMATION

Type	Length Metres	Width mm	Height mm	No.: LED	Light flux lm/m	Beam angle	Volt V DC	Current A	Power Watt	Article no.
Neon Top RGBW Intelligence Twelve 2700 K	5	16	17	360	400	160°	24	3.125	75	86078

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 235	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 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 1 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 3 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 5 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-
max. length at length of wire 10 Meter				
one connection	max. 5	max. 5	max. 5	max. 5
two connections	-	-	-	-

CALCULATION OF CUSTOMIZED LENGTH

Segments	Vf Neon Top cm + Metre
Segment 1	5.56 cm (+X Metre)
Segment 2	11.12 cm (+X Metre)
Segment 3	16.68 cm (+X Metre)
Segment 4	22.24 cm (+X Metre)
Segment 5	27.8 cm (+X Metre)
Segment 6	33.36 cm (+X Metre)
Segment 7	38.92 cm (+X Metre)
Segment 8	44.48 cm (+X Metre)
Segment 9	50.04 cm (+X Metre)
Segment 10	55.6 cm (+X Metre)
Segment 11	61.16 cm (+X Metre)
Segment 12	66.72 cm (+X Metre)
Segment 13	72.28 cm (+X Metre)
Segment 14	77.84 cm (+X Metre)
Segment 15	83.4 cm (+X Metre)
Segment 16	88.96 cm (+X Metre)
Segment 17	94.52 cm (+X Metre)
	one side min. 16.68 cm

Ordering Informations on page 283

FROM STOCK



ST-IP68 injection molded connector straight

FITTING ACCESSORIES

Type	Article no.
IP68 End cap Neon Top, PVC pressed	86175
Tool case	10087
Silicon 20ml	86993
Aluminum profile NEON Top 2 metres	68345
Pressing tool for PVC accessory	86180
PVC profile NEON Top 2 metres, white	68348

Refer to Page 288/289 for fitting instructions.

Required accessories

LED power supply
(see overview on Page 356)



DMX-SPI Decoder
Article no. 89600
(see Page 434)



CAUTION:

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

Required accessories
if no DMX control available

Touch panel (Page 437)



DMX digital wire
Art 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

Installations for VARDAflex Neon single-colour and RGB

IP65 - Installation 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

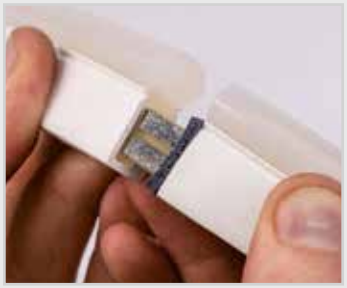


Use the hot-air gun to fuse the shrink sleeve and seal the end with silicone

IP65 Installation - 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 - Installation - 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



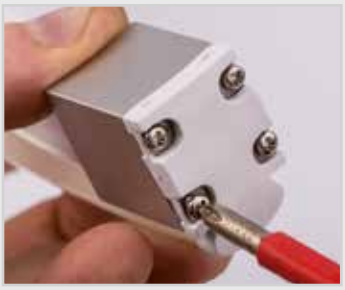
Proceed as with in-feeder IP68



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 Installation - 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

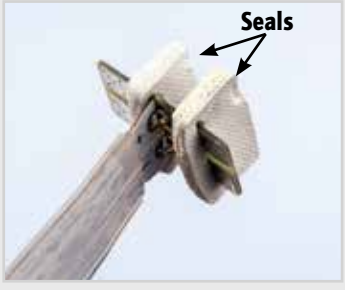
IP65 Installation - Central in-feeder unit



Keep tightening the strip from both sides with the pressing tool until



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

light

strong

shock- and water resistant

easily paintable

cold- and heat resistant

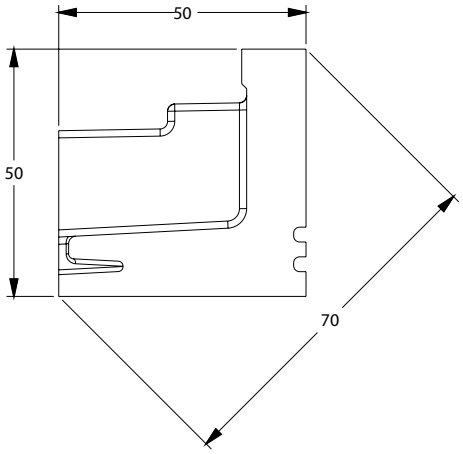
UV-resistant





Light-Profile 5x5 rectangular

- material: polyurethane-foam
- 200x5x5 cm
- easily paintable
- Cuttable on customer requirement per saw
  (we suggest mitre-cutting saw e.f. Art. No. 67998)
- **optional aluminum profiles: 68405 (page 302) or 68505 (page 308)**
- **inside dimension not suitable for power supplies and controllers**
- installation guide on page 298



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix extra for conneting two profiles Art. no. 67953/67952



Additional Accessories on page 299

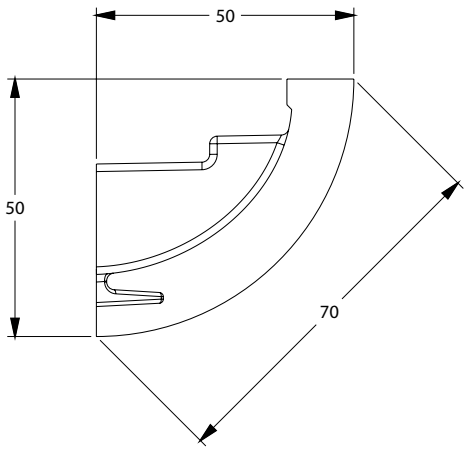
ORDERING INFORMATION

Type	Model	Lenght	Articel-No.
5x5 square	fixed	2 metres	67005



Light-Profile 5x5 round

- material: polyurethane-foam
- 200x5x5 cm
- easily paintable
- Cuttable on customer requirement per saw
  (we suggest mitre-cutting saw e.f. Art. No. 67998)
- **optional aluminum profiles: 68405 (page 302) or 68505 (page 308)**
- **inside dimension not suitable for power supplies and controllers**
- installation guide on page 298



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix extra for conneting two profiles Art. no. 67953/67952



Additional Accessories on page 299

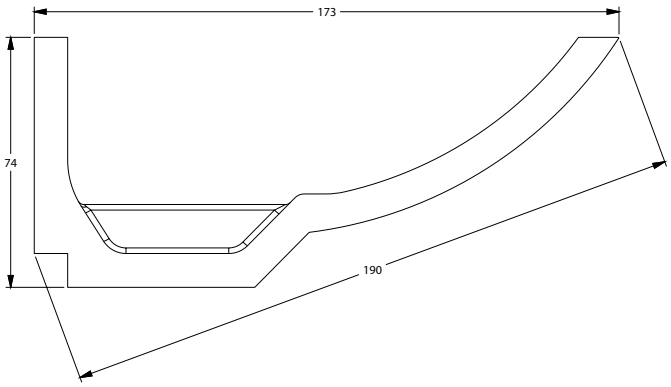
ORDERING INFORMATION

Type	Model	Lenght	Articel-No.
5x5 round	fixed	2 metres	67015
5x5 round	fixed-smooth ends	1,3 metres	67018



Light-Profile 7.4x17.3 round

- material: polyurethane-foam
- 200x7,4x17,3 cm
- easily paintable
- Cuttable on customer requirement per saw
  (we suggest mitre-cutting saw e.f. Art. No. 67998)
- **optional aluminum profiles: 68405 (page 302) or 68505 (page 308)**
- **inside dimension suitable for power supplies and controllers**
- installation guide on page 298



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix extra for conneting two profiles Art. no. 67953/67952



Additional Accessories on page 299

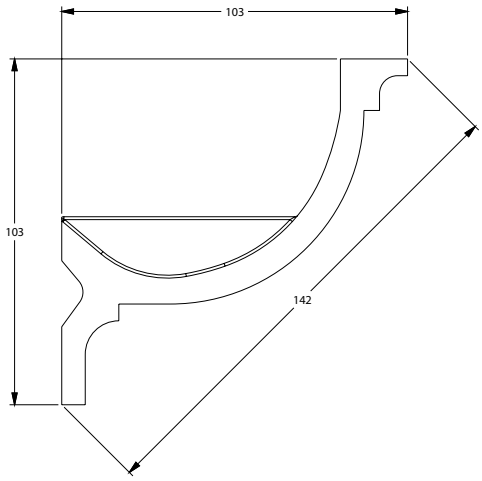
ORDERING INFORMATION

Type	Model	Lenght	Articel-No.
7.4x17.3 round	fixed	2 metres	67075



Light-Profile 10.3x10.3 round

- material: polyurethane-foam
- 200x10,3x10,3 cm
- easily paintable
- Cuttable on customer requirement per saw
  (we suggest mitre-cutting saw e.f. Art. No. 67998)
- **optional aluminum profiles: 67900 (page 299),**
  68405 (page 302) or 68505 (page 308)
- **inside dimension suitable for power supplies and controllers**
- installation guide on page 298



REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix extra for conneting two profiles Art. no. 67953/67952



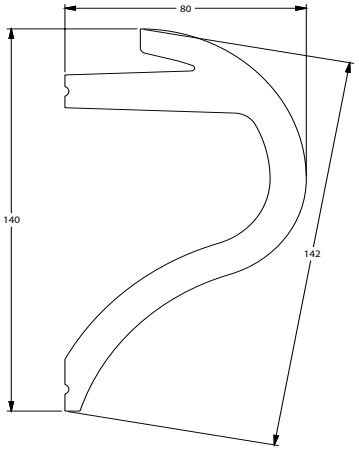
Additional Accessories on page 299

ORDERING INFORMATION

Type	Model	Lenght	Articel-No.
10.3x10.3 round	fixed	2 metres	67065
10.3x10.3 round	flexible	2 metres	67066



Light-Profile 14x8 wave



- material: polyurethane-foam
- 200x14x8 cm
- easily paintable
- Cuttable on customer requirement per saw
  (we suggest mitre-cutting saw e.f. Art. No. 67998)
- **optional aluminum profiles: 68405 (page 302) or 68505 (page 308)**
- **inside dimension suitable for power supplies and controllers**
- installation guide on page 298

REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix extra for conneting two profiles Art. no. 67953/67952



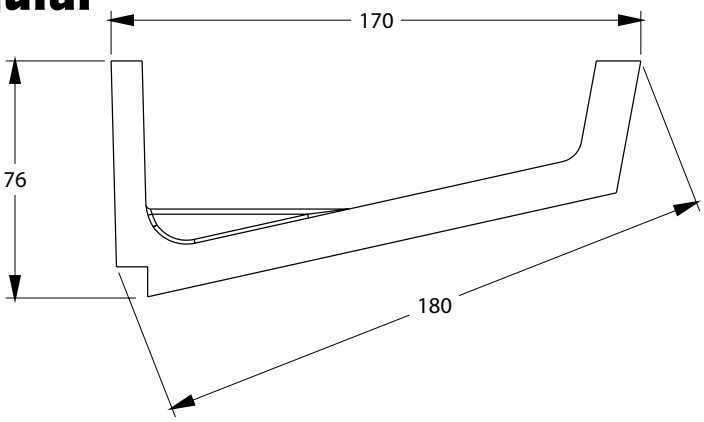
Additional Accessories on page 299

ORDERING INFORMATION

Type	Model	Lenght	Articel-No.
14x8 wave	fixed	2 metres	67045



Light-Profile 7.6x17.1 rectangular



- material: polyurethane-foam
- 200x7,6x17,1 cm
- easily paintable
- Cuttable on customer requirement per saw (we suggest mitre-cutting saw e.f. Art. No. 67998)
- **optional aluminum profiles: 68405 (page 302) or 68505 (page 308)**
- **inside dimension suitable for power supplies and controllers**
- installation guide on page 298

REQUIRED ACCESSORIES

Decofix Super Strong indoor



Art. no. 67950

Decofix Hydro outdoor



Art. no. 67951

Colour for painting

OPTIONAL ACCESSORIES

Saw



Decofix extra for conneting two profiles Art. no. 67953/67952



Additional Accessories on page 299

ORDERING INFORMATION

Type	Model	Lenght	Articel-No.
7.6x17.1 rectangular	fixed	2 metres	67085

Installation guide









5 Inner corner



5 Outer corner









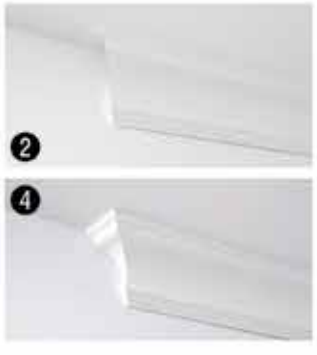












Tips & Tricks

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 ndirect-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	Articel-No.
Decofix Super Strong white 310 ml	Indoor Wall and ceiling for 8M	67950
Decofix Hydro white 290 ml	Outdoor Wall and ceiling for 8M	67951
Decofix Extra transparent 310 ml	to connect two profiles, for 80M - CAUTION: Beware of the safety instructions	67952
Decofix Extra transparent 80 ml	to connect two profiles, for 20M - CAUTION: Beware of the safety instructions	67953
Protractor		67989
Mitre Box small		67997
Mitre Box medium		67998
Mitre Box big		67999
Mounting aluminum profile	for VARDAflex LED Strips, width 30 mm, height 20 mm, length 2 meters	67900

Alu Profiles for VARDAFLEX LED Strips

	Width mm		6	8	12		12,2								
	Aluprofiles		Mini (Baseboard)	H14 + Stair Slender	IP68 H11	Star indirect/indirect Carpet	SlimLine H7	SlimLine H15	SlimLine flat H8	Wall and sail	SlimeLine stair	SlimLine Corner/SlimLine Corner 45°	Wallwasher Celing	Circular	
Strip	Width mm	Page	177 (337)	309 350	348	352-353	308	310	311	342	351	326-327	330	334	
VARDAflex, VARDAflex CRI95, VARDAflex Nano, IP67	8	142/144 192/202			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Plus, VARDAflex CRI90, VARDAflex Plus Nano, IP67	8	146/148 194/203			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Plus Profi	10	150			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Double*, VARDAflex Double CRI95*, VARDAflex Double Nano	10	152/154/ 196						yes	yes	yes	yes	yes	yes	yes	
VARDAflex Para, VARDAflex Para UV	16	156/190													
VARDAflex Ultra*	10	158						yes	yes	yes	yes	yes	yes	yes	
VARDAflex Triple*	10	160						yes	yes	yes	yes	yes	yes	yes	
VARDAflex Double Profi*	10	162						yes	yes	yes	yes	yes	yes	yes	
VARDAflex High Eco	10	164						yes	yes	yes	yes	yes	yes	yes	
VARDAflex High Performance, VARDAflex High End*	10	166						yes	yes	yes	yes	yes	yes	yes	
VARDAflex RGB/RGB Double, VARDAflex RGB Double Nano	10	168/198			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex RGBW (1 Chip)* RGBW Nano	10	170/200			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex RGBW/WW	12	172				yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex RGB+W+WW*	10	174				yes	yes	yes	yes	yes	yes	yes			
VARDAflex Mini*	5	176	yes		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Side Mini	8	178													
VARDAflex Side Mini Double*	8	180													
VARDAflex Asymmetrisch*	10	182													
VARDAflex Surround*	10	184													
VARDAflex Select	10	186			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Infrared	8	188			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex IP68	11	204			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Plus IP68	11	206			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Outdoor/Outd. Plus IP65	13,5	208/210													
VARDAflex RGB/RGB Double IP68	13	216													
VARDAflex Outdoor/Outd. Double RGB IP65	15,5	218/220													
VARDAflex Side Mini IP67	11	230	No profile available												
VARDAflex Select IP68	12	232			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
VARDAflex Neon all types	11,5	247	Own profile as from page 247												

The benefits are many from using aluminum profiles when fitting LED strips:

- Cooling the strips and lengthening the service life
- Protection from dust and damage
- Homogeneous lighting
- By choosing the cover configuration possibilities arise

The use of aluminum profiles for cooling purposes is absolutely necessary with high-power LED strips (power higher than 14.4 watts/meter)

Content

U/Collar profiles	page 302-323
Corner profiles	page 324-327
Ceiling profiles	page 328-333
Wall Profiles	page 334-345
IP-68-Profiles	page 346-349
Stair Profiles	page 350-353

			12,5	16,2	18		18,2							20	27	30	31	36,6	38	42	56	80,7
	SlimLine Wall	IP68 Corner	Handrail	Round Cover	PL 116 Collar	PROFI Ceiling	PROFI H12	PROFI H18	SlimeLine WIDE H20	LED Corner 45° PROFI	SlimeLine WIDE Wall H20	PROFI H9,9	Wall and Sail	LED IP68 H31	PL LED H35 Smoth	LED H55	PL 35/PL Wall H35	SlimeLine WIDE H10	PL80 H35	PL80 Collar	Wall profile IP54	PL W116
	336	349	322	343	333	329	302	303	314	325	338	304	342	346	331	332	317 340	318	319	320	344	321
	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	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	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	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		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	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	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	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									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	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	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	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	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	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	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Alu Profile PROFI H12 mm + H12 mm Collar

for strips up to a width of 18.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18.2 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Length: 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using the ALU installation clamp 68490
- Cable duct (improved heat dissipation, as a result)
- **Delivery to the exclusion of cover and mounting clamps - Please order separately.**



Aluminum profile 12 mm



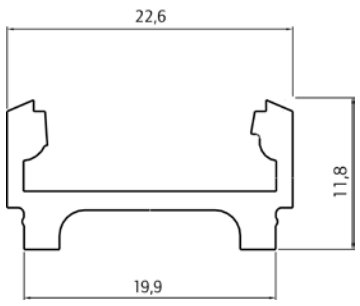
Mounting rail for PROFI series - simply click in

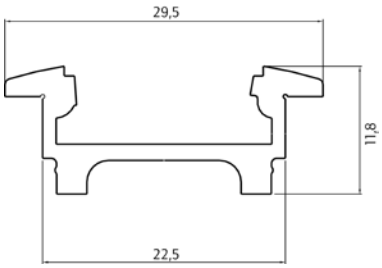


Aluminum profile Profi 12 mm collar

ORDERING INFORMATION

	Type	Length	Article no.
	Aluminum profile PROFI 12 mm	2 metres	68405
	Aluminum profile PROFI 12 mm collar	2 metres	68425
	Profile cover - clear	2 metres	68897
	Profile cover - matt	2 metres	68898
NEW	Profile cover - matt PMMA outdoor	2 metres	68760
NEW	Profile cover flat- matt	2 metres	68893
	Profile cover - semi-matt	2 metres	68894
	Profile cover - semicircular matt	2 metres	68891
	Profile cover - elevated matt	2 metres	68892
	Mounting clamp with retention spring PROFI 12 mm		68489
	Mounting clamp for PROFI 12 mm		68490
	Mounting clamp Z-form for cabinet mounting		68499
	Mounting clamp 30° / 60°		68479
	End cap in-feeder PROFI 12 mm		68487
	End cap PROFI 12 mm		68488
	End cap elevated in-feeder		68498
	End cap elevated		68497
	End cap semicircular in-feeder		68496
	End cap semicircular		68495





Accessories also on Pages 306/307

Alu Profile PROFI H18 mm + H18 mm Collar

for strips up to a width of 18.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18.2 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Length: 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using the ALU installation clamp 68490
- Cable duct (improved heat dissipation, as a result)
- **Delivery to the exclusion of cover and mounting clamps - Please order separately.**

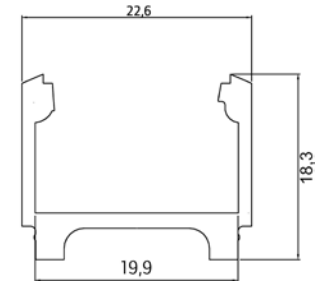


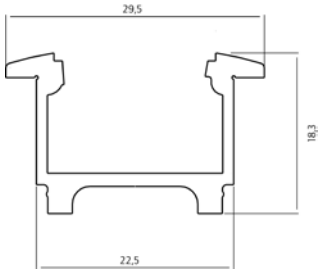
Aluminum profile Profi 18 mm



Aluminum profile Profi 18 mm collar

	Typ	Length	Article no.
	Aluminum profile PROFI 18 mm	2 metres	68415
	Aluminum profile PROFI 18 mm collar	2 metres	68435
	Profile cover - clear	2 metres	68897
	Profile cover - matt	2 metres	68898
NEW	Profile cover - matt PMMA outdoor	2 metres	68760
NEW	Profile cover flat - matt	2 metres	68893
	Profile cover - semi-matt	2 metres	68894
	Profile cover - semicircular matt	2 metres	68891
	Profile cover - elevated matt	2 metres	68892
	Mounting clamp for PROFI 18 mm		68490
	Mounting clamp with retention spring PROFI 18 mm		68489
	Mounting clamp Z-form for cabinet mounting		68499
	Mounting clamp 30° / 60°		68479
	End cap in-feeder PROFI 18 mm		68482
	End cap PROFI 18 mm		68483
	End cap elevated in-feeder		68494
	End cap elevated		68493
	End cap semicircular in-feeder		68492
	End cap semicircular		68491



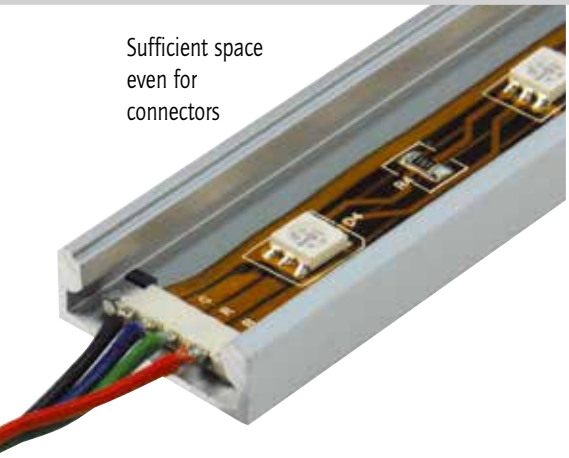


Accessories also on Pages 306/307

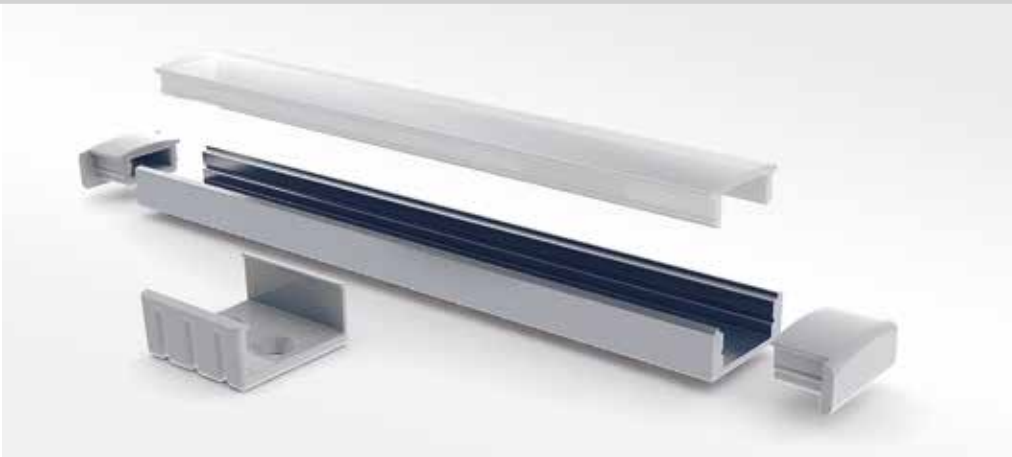
Alu Profile PROFI 9.9 mm

for strips up to a width of 18.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18.2 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Lengths: 1 and 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover, end caps and mounting clamps - please order them separately**

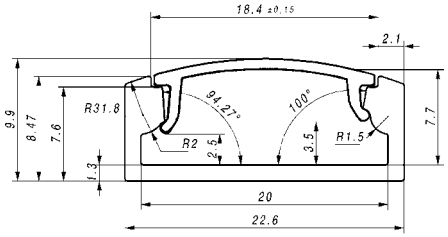


Sufficient space even for connectors



ORDERING INFORMATION

	Type	Length	Article no.
	Aluminum profile PROFI 9,9 mm	1 metres	68800
	Aluminum profile PROFI 9,9 mm	2 metres	68805
	Aluminum profile PROFI 9,9 mm	3 metres	68808
	Profile cover - clear	2 metres	68897
NEW	Profile cover flush - matt	2 metres	68893
	Profile cover - semi-matt	2 metres	68894
	Profile cover - matt	1 metres	68896
	Profile cover - matt	2 metres	68898
NEW	Profile cover - matt PMMA outdoor	2 metres	68760
	Profile cover - matt	3 metres	68888
	Profile cover - semicircular matt	2 metres	68891
	Profile cover - elevated matt	2 metres	68892
	Mounting clamp for PROFI 9,9 mm		68890
	Aluminum end cap in-feeder PROFI 9,9 mm		68878
	Aluminum end cap PROFI 9,9 mm		68879



Accessories also on Pages 306/307


Frank Schätzing
Frank Schätzing
Frank Schätzing
Limit
DAN BROWN SYMBOL
DAN BROWN DIABOLUS
DAN BROWN SAKRILEG
DAN BROWN ILLUMINATI
DAN BROWN METEOR
LEON URIS EXODUS
JOHN GRISHAM · DIE JURY
JOHN GRISHAM DER GEFANGENE
JOHN GRISHAM · DER KLIENT
JOHN GRISHAM · DIE FIRMA
JOHN GRISHAM DER PARTNER
Gordon Der Rabbi
Gordon Schamane
Der Medicus
Die Erben des Medicus
STIEG LARSSON
STIEG LARSSON
STIEG LARSSON

Accessories for Alu Profile PROFI



Aluminum profile PROFI H12
for strips up to a width of
18.2 mm
Page 302

End caps H12



Art. no. 68487 Art. no. 68488

End caps elevated



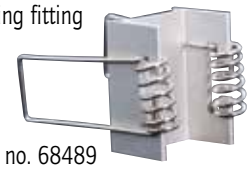
Art. no. 68497 Art. no. 68498

End caps semicircula



Art. no. 68495 Art. no. 68496

Mounting clamp
Ceiling fitting



Art. no. 68489

Mounting clamp
H12



Art. no. 68490

Mounting clamp Z-form



Art. no. 68499

Mounting clamp 30° / 60°



Art. no. 68479

Aluminum profile PROFI H18
for strips up to a width of
18.2 mm
Page 271

End caps H18



Art. no. 68482 Art. no. 68483

End caps elevated



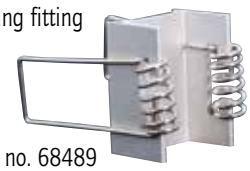
Art. no. 68493 Art. no. 68494

End caps semicircula



Art. no. 68491 Art. no. 68492

Mounting clamp
Ceiling fitting



Art. no. 68489

Mounting clamp
H18



Art. no. 68490

Mounting clamp Z-form



Art. no. 68499

Mounting clamp 30° / 60°



Art. no. 68479

Aluminum Profile PROFI H9.9
for strips up to a width of 18.2 mm

Page 272

End caps H9,9



Collar: Art. no. 68886
Collar: Art. no. 68887

End caps ALU H9,9



Art. no. 68878
Art. no. 68879

Mounting clamp H9,9



Art. no. 68890

Aluminum profile Corner 45°PROFI
for strips up to a width of 18 mm

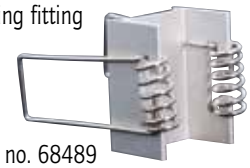
Page 293

End caps corner 45° PROFI



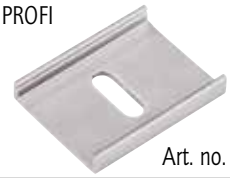
Art. no. 68481
Art. no. 68480

Mounting clamp Ceiling fitting



Art. no. 68489

Mounting clamp corner 45° PROFI



Art. no. 68490

Mounting clamp Z-form



Art. no. 68499

Mounting clamp 30° / 60°



Art. no. 68479

Covering for all PROFI profiles



Cover clear
2 metres Art. no. 68897



Cover - semi-matt
2 metres Art. no. 68894



Cover - matt
1 metre Art. no. 68896
2 metres Art. no. 68898
3 metres Art. no. 68888
PMMA 2 metres
Art. no. 68760



Cover flat matt
2 Meter Art. no. 68893



Cover - semicircular
2 metres Art. no. 68891



Cover - elevated
2 metres Art. no. 68892

Aluminum Profile SlimLine H7

for strips up to a width of 12.2 mm

- Material: Aluminum anodised
- For flexible LED strips up to 12.2 mm in width
- For indoor use
- Lengths: 1, 2 and 3 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in
- **Delivery without cover, end caps and mounting clamps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**



Aluminum Profile
SlimLine
7 mm

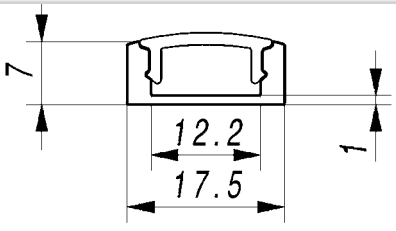


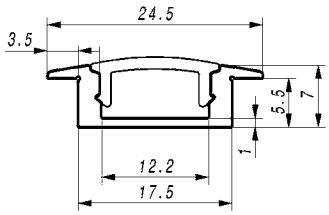


Aluminum profile
SlimLine 7 mm collar

ORDERING INFORMATION

	Type	Length	Article no.
	Aluminum profile SlimLine 7mm	1 metre	68500
	Aluminum profile SlimLine 7mm	2 metres	68505
	Aluminum profile SlimLine 7mm	3 metres	68508
NEW	Aluminum profile SlimLine 7mm, white	3 metres	68509
	Aluminum profile SlimLine 7mm collar	2 metres	68605
	Aluminum profile SlimLine 7mm collar	3 metres	68608
	Profile cover - clear	2 metres	68597
	Profile cover - matt	1 metres	68596
	Profile cover - matt	2 metres	68598
	Profile cover - matt	3 metres	68578
	Profile cover - semi-matt	2 metres	68594
	Profile cover lens 30° matt	2 metres	68799
	Profile cover lens 60° clear	2 metres	68792
	Profile cover lens 60° matt	2 metres	68794
	Connector		68547





Accessories also on Pages 312/313

Aluminum profile LED H.14 mm Slender

NEW

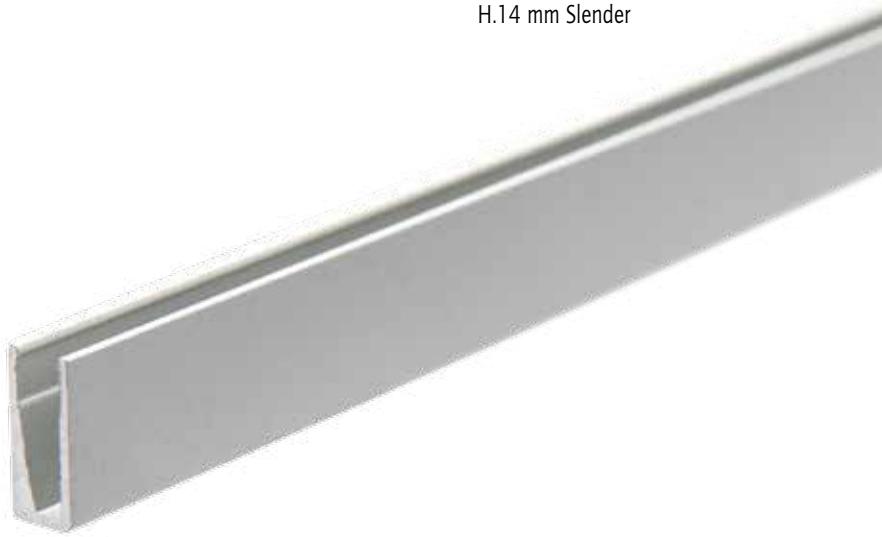
for strips up to a width of 8 mm

- Material: Aluminum anodized
- For flexible LED-Strips up to 8mm in width
- For indoor use
- Length: 2 metres
- Delivery without cover and mounting clamps - Please order separately
- Profile cover: frosted
- Cover material: silicone, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by pushing

Profile cover matt H.14 mm Slender



Aluminum profile LED H.14 mm Slender

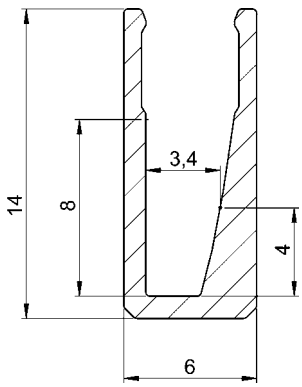


ORDERING INFORMATION

Type	Length	Article no.
Aluminum profile LED H.14 mm Slender	2 meters	68525

Aluminum profile LED H.14mm Slender Accessories

Type	Lenght	Article no.
Endcap right H.14 mm Slender		68526
Endcap left H.14 mm Slender		68527
Endcap in-feeder left H.14 mm Slender		68528
Profile cover matt H.14 mm Slender	2 meters	68556



Aluminum Profile SlimLine H15

for strips up to a width of 12.2 mm

- Material: Aluminum anodised
- For flexible LED strips up to 12.2 mm in width
- For indoor use
- Lengths: 1, 2 and 3 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover, end caps and mounting clamps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**

Aluminum Profile SlimLine 15 mm



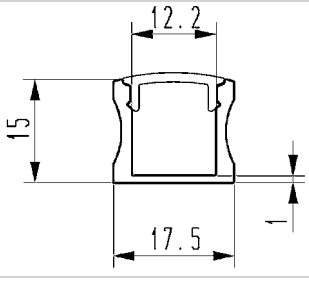


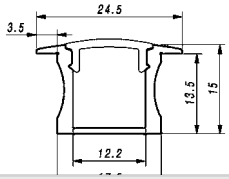
Aluminum profile SlimLine 15 mm collar



ORDERING INFORMATION

	Type	Length	Article no.
	Aluminum profile SlimLine 15 mm	2 metres	68515
	Aluminum profile SlimLine 15 mm	3 metres	68518
NEW	Aluminum profile SlimLine 15mm, white	3 metres	68519
	Aluminum profile SlimLine 15 mm collar	2 metres	68615
	Aluminum profile SlimLine 15 mm collar	3 metres	68618
	Profile cover - clear	2 metres	68597
	Profile cover - matt	1 metres	68596
	Profile cover - matt	2 metres	68598
	Profile cover - matt	3 metres	68578
	Profile cover - semi-matt	2 metres	68594
	Profile cover lens 30° matt	2 metres	68799
	Profile cover lens 60° clear	2 metres	68792
	Profile cover lens 60° matt	2 metres	68794
	Connector		68546





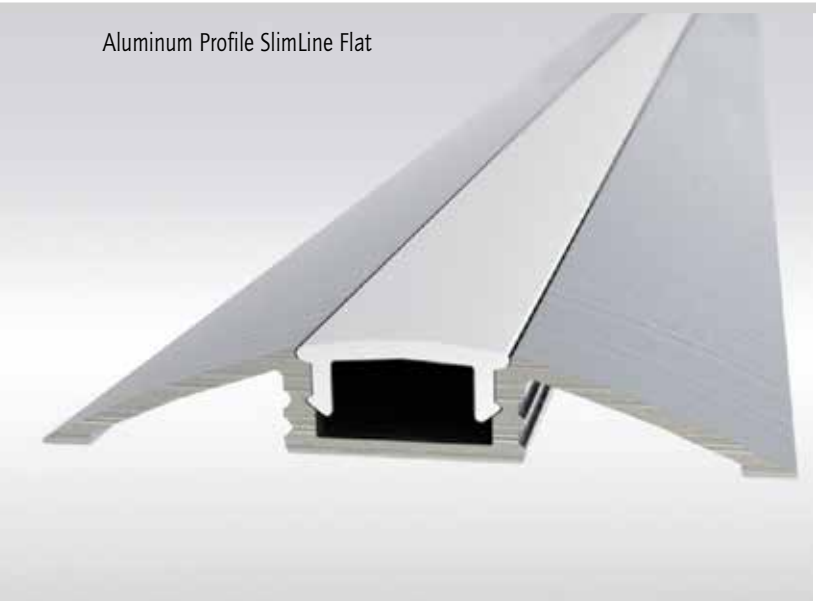
Accessories also on Pages 312/313

Aluminum Profile SlimLine Flat H8

for strips up to a width of 12.2 mm

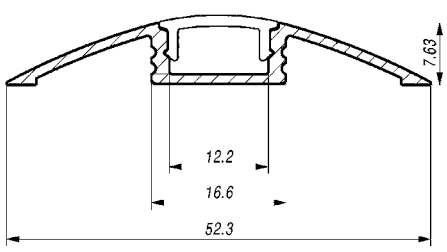
- Material: Aluminum anodised
- For flexible LED strips up to 12.2 mm in width
- For indoor use
- Can be walked on
- Lengths: 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery to the exclusion of cover and end caps - Please order separately.**
- **Note: Not for VARDAflex in-feeder and direct connectors**

Aluminum Profile SlimLine Flat





Type	Length	Article no.
Aluminum profile SlimLine anodized	2 metres	68705
Aluminum profile SlimLine flat white	2 metres	68706
Profile cover - clear	2 metres	68597
Profile cover - matt	2 metres	68598
Profile cover - semi-matt	2 metres	68594
Profile cover lens 30° matt	2 metres	68799
Profile cover lens 60° clear	2 metres	68792
Profile cover lens 60° matt	2 metres	68794



Accessories also on Pages 312/313

Accessories for Alu Profile SlimLine



Aluminum profile SlimLine 7 mm
for strips up to a width of 12.2 mm

Page 308

Aluminum end caps 7 mm



Art. no. 68660
white: 68860

Art. no. 68661
white: 68861

Aluminum end caps 15 mm collar



Art. no. 68548 Art. no. 68549

Metal mounting clamps 7 mm



Art. no. 68540

Connector



Art. no. 68547

Magnet



Art. no. 68541

Aluminum profile SlimLine 15 mm
for strips up to a width of 12.2 mm

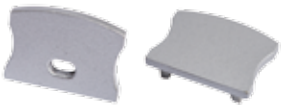
Page 310

End caps 15 mm



Art. no. 68685 Art. no. 68686

Aluminum end caps 15 mm white



Art. no. 68862 Art. no. 68863

Aluminum end caps 15 mm collar



Art. no. 68544 Art. no. 68545

Mounting clamps 15 mm



Art. no. 68690
white: 68539

Mounting clamps - steel



Art. no. 68591

Mounting clamp Ceiling fitting



Art. no. 68592

End caps 15 mm for lens 60°



Art. no. 68787 Art. no. 68788

Magnet



Art. no. 68542

Connector



Art. no. 68546

Aluminum profile SlimLine Corner
for strips up to a width of 12.2 mm
Page 326

End caps corner



Art. no. 68688 white: 68670
Art. no. 68687 white: 68671

Metal mounting clamps Corner



Art. no. 68899 white: 68676

Aluminum profile SlimLine Corner 45°
for strips up to a width of 12.2 mm
Page 327

ALU end caps corner 45°



Art. no. 68561 white: 68666
Art. no. 68560 white: 68667

ALU mounting clamps Corner 45°



Art. no. 68599 white: 68668

ALU connector



Art. no. 68559

Aluprofil SlimLine Flat
for strips up to a width of 12.2 mm

Page 311

End caps - flat



Art. no. 68084 white: 68674
Art. no. 68089 white: 68673

Mounting end caps - flat



Art. no. 68689 white: 68669
Art. no. 68589 white: 68672

Aluminum Profile SlimLine Wall
for strips up to a width of 12.2 mm

Page 336

End caps Wall



on the left Art. no. 68981
on the right Art. no. 68980

Aluminum profile SlimLine Stair
for strips up to a width of 12.2 mm

Page 351

End caps Stair



on the left
Art. no. 68184
on the right
Art. no. 68185

Covering for all SlimLine profiles



Cover clear
2 metres, Art. no. 68597



Cover semi-matt
2 metres, Art. no. 68594



Cover - matt
1 metre, Art. no. 68596
2 metres, Art. no. 68598
3 metres, Art. no. 68578

Covering for all SlimLine profiles Lens



Cover lens clear 60°
2 metres, Art. no. 68792



Cover lens matt 30°
2 metres, Art. no. 68799



Cover lens matt 60°
2 metres, Art. no. 68794

Aluminum Profile SL WIDE H20

for strips up to a width of 18.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18.2 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Length: 2 metres
- Profile cover in matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using the mounting clamp
- **Delivery without cover, end caps and mounting clamp - please order them separately**





End cap

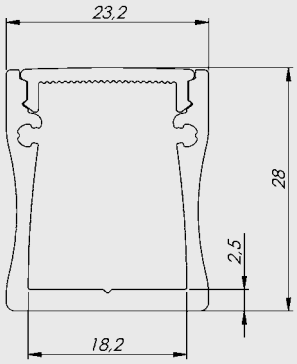


Mounting clamp



ORDERING INFORMATION

Type	Length	Article no.
Aluminum Profile SL WIDE H20	2 metres	68825



Accessories Aluminum Profile SL WIDE H20

Accessories	Length	Article no.
Mounting clamp		68959
ALU end cap for SLW20		68884
Profile cover - matt SLW20	2 metres	68991

Aluminum Profile SL WIDE H20 collar

for strips up to a width of 18.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18.2 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Length: 2 metres
- Profile cover in matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover, end caps and mounting clamp - please order them separately**

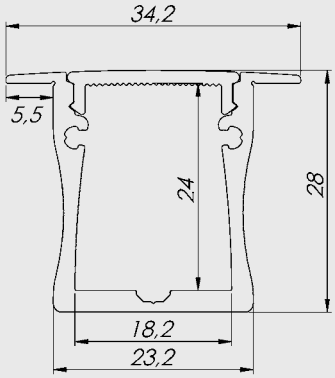








Type	Length	Article no.
Aluminum profile SL WIDE 20mm collar	2 metres	68845



Accessories
Alu Profile SL WIDE H20 collar

Accessories	Length	Article no.
ALU end cap for 68845		68885
Fitting clamp for 68845		68573
Profile cover matt SLW20	2 metres	68991



Aluminum Profile PowerLine H35

for strips up to a width of 31 mm

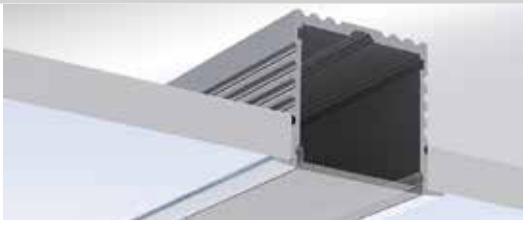
- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 31mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors**
- For indoor use
- Lengths: 1, 2 and 3 metres
- New cover with optimized optical properties
- Available in clear and matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in
- **Delivery without cover, end caps and mounting clamp - please order them separately**

ALU profile PowerLine 35 mm



ALU profile PowerLine 35 mm collar







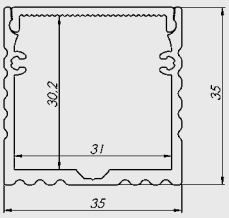
ALU connector
for 68935

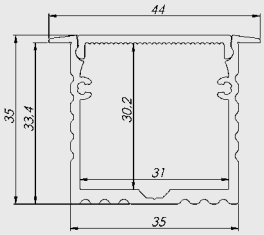


End cap
Item No. 68587

ORDERING INFORMATION

Type	Depth	Length	Article no.
Aluminum Profile PowerLine H35	30.2 mm	2 metres	68935
Aluminum Profile PowerLine H35	30.2 mm	3 metres	68938
Aluminum Profile PowerLine H35 collar	30.2 mm	2 metres	68945
Aluminum Profile PowerLine H35 collar	30.2 mm	3 metres	68948
Profile cover Prismen clear 35mm		2 metres	68137
Profile cover Prismen matt 35mm		2 metres	68138
Profile cover Prismen matt 35mm		3 metres	68139
Profile cover - clear		2 metres	68997
Profile cover - matt		3 metres	68994
Profile cover - matt		2 metres	68998
End cap ALU profile PowerLine 35 mm			68587
End cap ALU profile PowerLine 35 mm collar			68569
ALU connector for 68935			68570
ALU connector 90° for 68935			68562
Mounting clamp			68572
Connector collar			68571
NEW Set magnet fixation + mounting clamp			68164
NEW Mounting helper			68106





Aluminum Profile SL WIDE H10

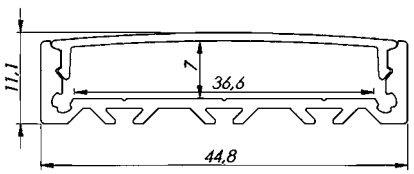
for strips up to a width of 36.6 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 36.6 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connector**
- For indoor use
- Length: 2 metres
- Slightly arched cover with optimised optical properties
- Profile cover in matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- Cable duct (improved heat dissipation, as a result)
- **Delivery without cover and end caps - please order them separately**



ORDERING INFORMATION

Type	Length	Article no.
ALU Profile SL WIDE H10	2 metres	68975



Accessories Alu Profile SL WIDE H10

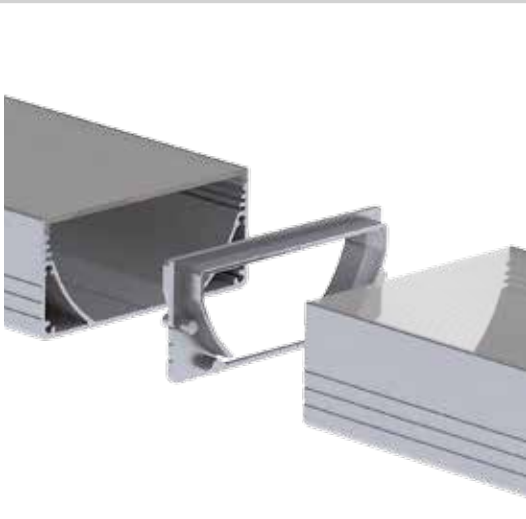
Accessories	Artikel Nr
ALU-End cap in-feeder for 68975	68983
Aluminum end cap for 68975	68984
Profile cover - matt SLW10	68999

Aluminum Profile PowerLine 80 H35

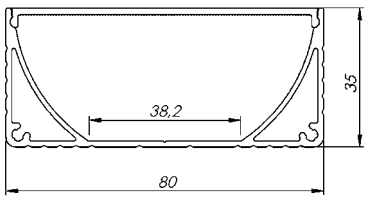
for strips up to a width of 38 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 38 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connector**
- For indoor use
- Matt covering can be delivered as accessories
- Length: 2 and 3 metres
- New cover with homogeneous optical properties
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover and end caps - please order them separately**





Type	Length	Article no.
Aluminum profile SlimLine 80 H35	2 metres	68965
Aluminum profile SlimLine 80 H35	3 metres	68968
Profile cover - matt	2 metres	68992
Profile cover - matt	3 metres	68993
Aluminum end cap 80 mm		68982
Aluminum connector		68664



Aluminum Profile PowerLine 80 Collar

for strips up to a width of 42 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 42 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connector**
- For indoor use
- Matt covering can be delivered as accessories
- Length: 2 and 3 metres
- New cover with homogeneous optical properties
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover and end caps - please order them separately**





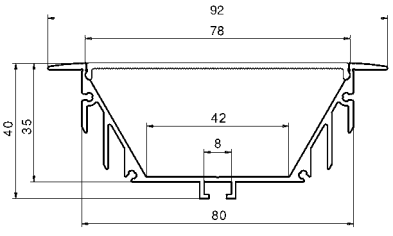
Aluminum connector



Aluminum end cap

ORDERING INFORMATION

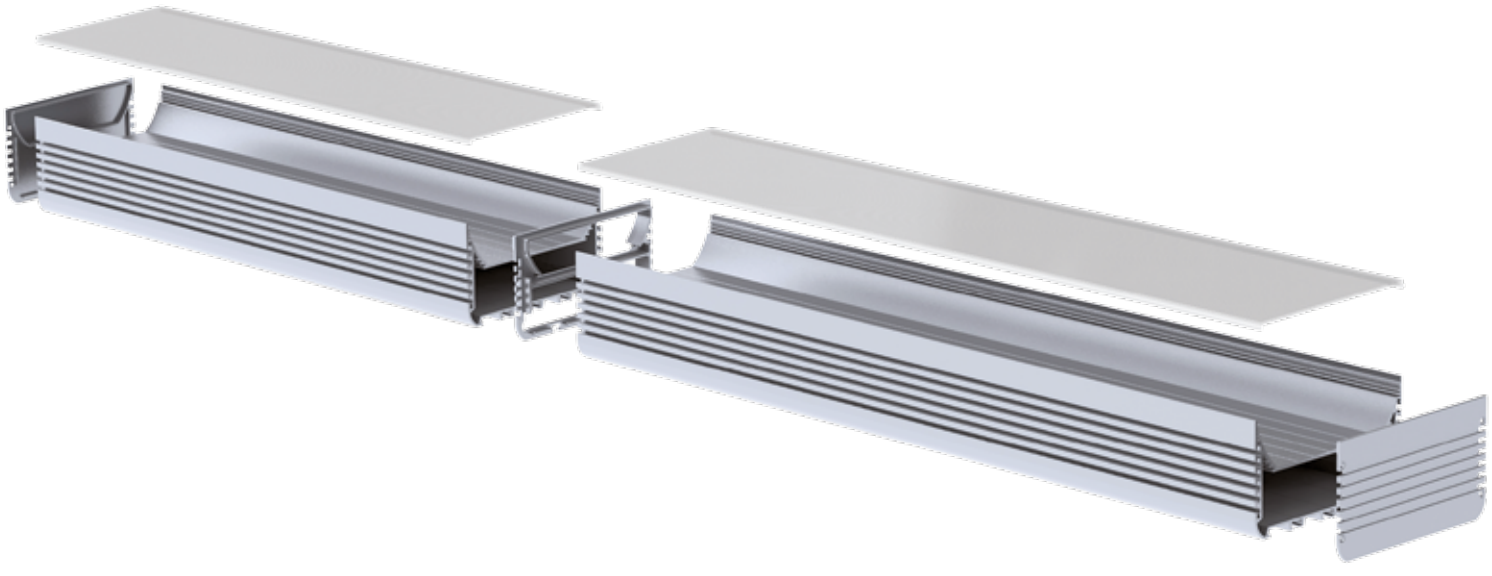
Type	Length	Article no.
ALU profile PowerLine 80 collar	2 metres	68966
ALU profile PowerLine 80 collar	3 metres	68969
Profile cover - matt	2 metres	68992
Profile cover - matt	3 metres	68993
Aluminum end cap		68977
Aluminum connector		68976
NEW Mounting clamp for 68966 /68969		68574



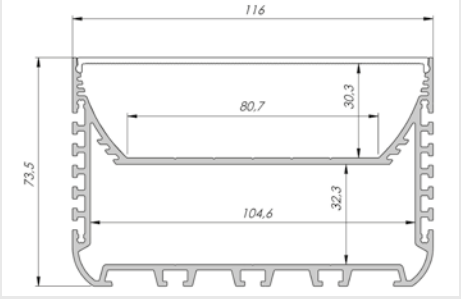
Alu Profile PowerLine W116

for strips up to a width of 80.7 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 80.7 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connector**
- For indoor use
- Length: 2 metres
- Profile cover in matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cable duct (improved heat dissipation, as a result)
- **Delivery without cover and end caps - please order them separately**



Type	Length	Article no.
ALU profile PowerLine W116	2 metres	68875
Profile cover - matt wall outer	2 metres	68579
End cap for 68875		68575
Connector for 68875		68576



Aluminum Profile Handrail

for strips up to a width of 12.5 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12.5 mm in width
- For indoor use
- Length: 3 metres
- For glass bannisters and balconies in a 17.5 mm glass thickness

Black
Art. no. 68869





anodised
Art. no. 68868

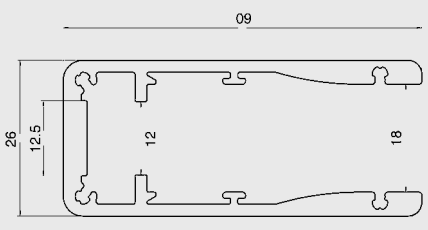




Seal
Art. no. 68870

ORDERING INFORMATION

Type	Length	Article no.
ALU profile hand rail anodised	3 metres	68868
ALU profile hand rail black	3 metres	68869
Seal	3 metres	68870



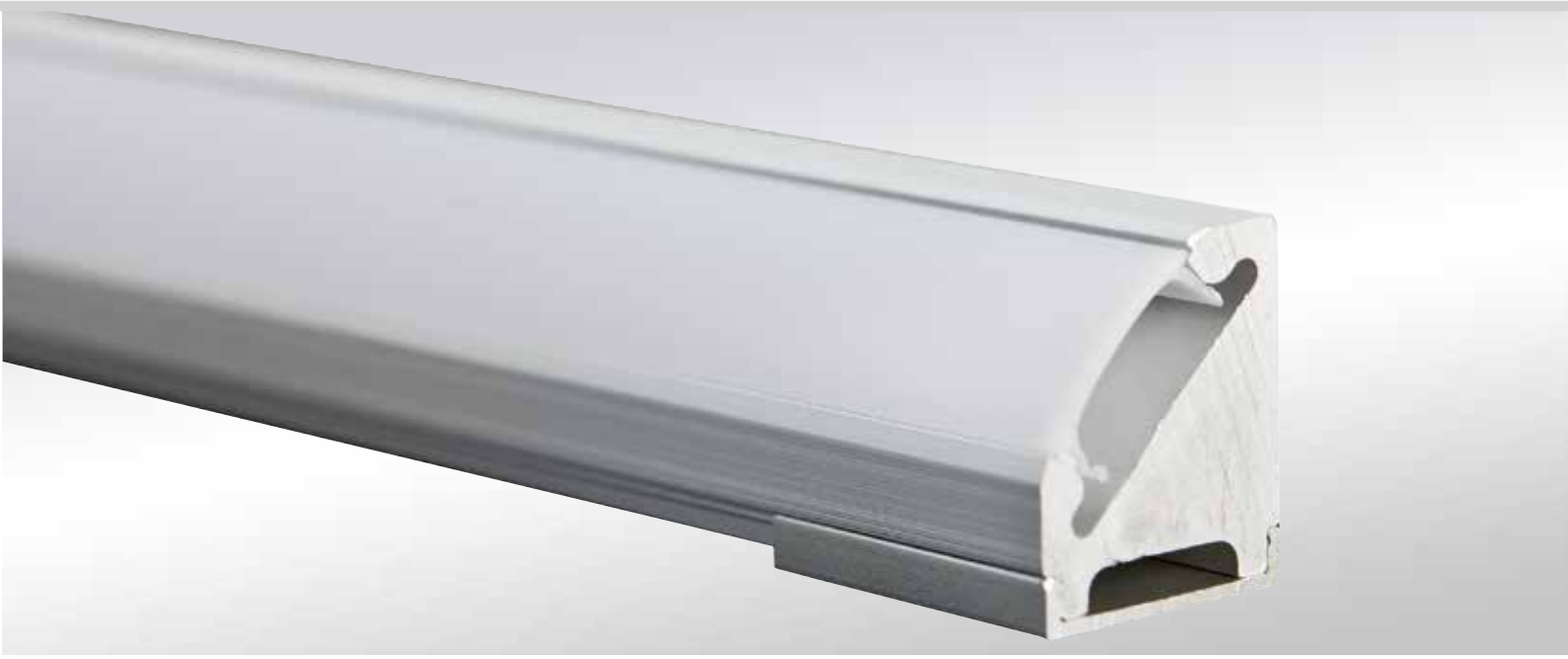




Aluminum Profile LED Corner 45° Profi

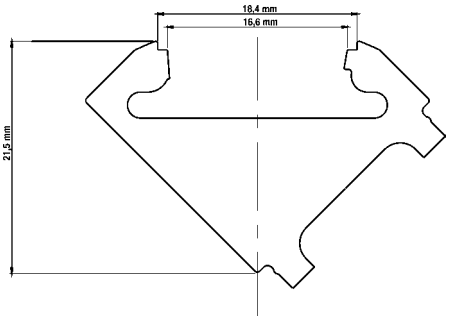
for strips up to a width of 18.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18.2 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Length: 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using installation clamp 68490
- Cable duct (improved heat dissipation, as a result)
- **Delivery without cover, end caps and mounting clamps - please order them separately**



ORDERING INFORMATION

	Type	Length	Article no.
	ALU Profile LED Corner 45° Profi	2 metres	68455
	Mounting clamp for 68455		68490
	End cap in-feeder for 68455		68480
	End cap for 68455		68481
	Profile cover - clear	2 metres	68897
	Profile cover - semi-matt	2 metres	68894
	Profile cover - matt	2 metres	68898
	Profile cover flush matt	2 metres	68893
NEW	Profile cover - matt, PMMA, outdoor	2 metres	68760
	Mounting clamp Z-form for cabinet		68499
	Mounting clamp 30° / 60°		68479
	Mounting clamp ceiling fitting		68489

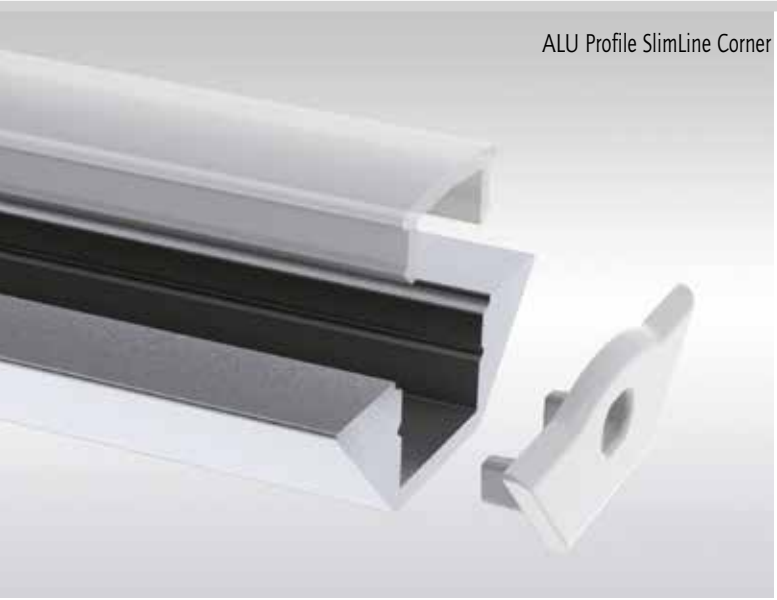


Accessories also on Pages 306/307

Aluminum Profile SlimLine Corner

for strips up to a width of 12.2 mm

- Material: Aluminum anodised
- For flexible LED strips up to 12.2 mm in width
- For indoor use
- Length 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in
- **Delivery without cover, end caps and mounting clamps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**

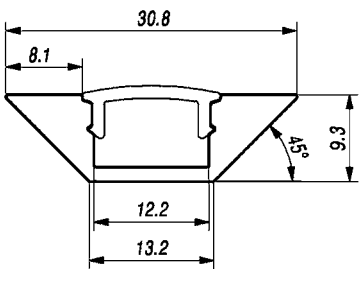


ALU Profile SlimLine Corner



ORDERING INFORMATION

Type	Length	Colour	Article no.
ALU Profile SlimLine Corner	2 metres	Alu anodised	68625
ALU Profile SlimLine Corner	2 metres	white	68626
Profile cover - clear	2 metres		68597
Profile cover - matt	2 metres		68598
Profile cover - semi-matt	2 metres		68594
Profile cover lens 30° matt	2 metres		68799
Profile cover lens 60° clear	2 metres		68792
Profile cover lens 60° matt	2 metres		68794

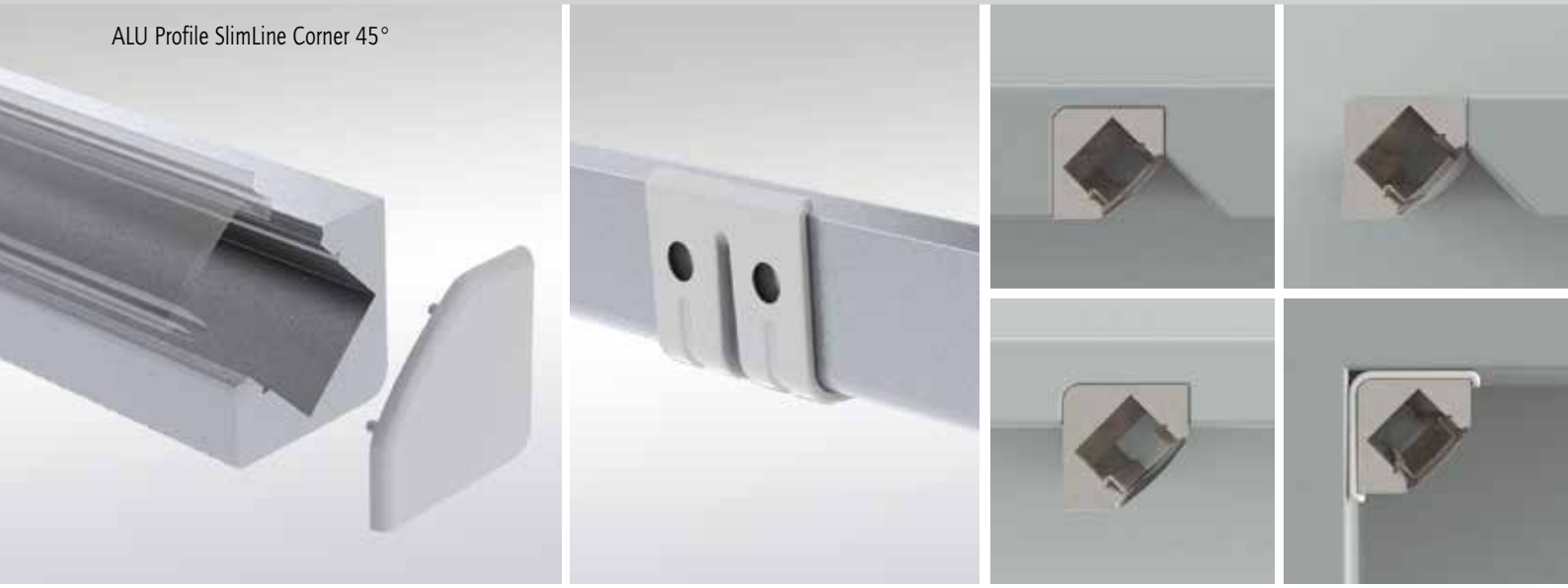


Accessories also on Pages 312/313

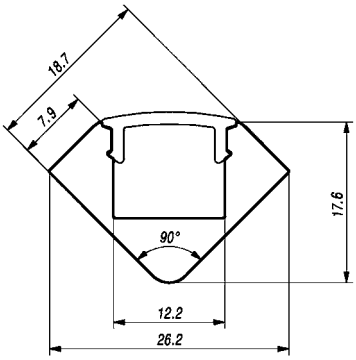
Alu Profile SlimLine Corner 45°

for strips up to a width of 12.2 mm

- Material: Aluminum anodised
- For flexible LED strips up to 12.2 mm in width
- For indoor use
- Length: 2 and 3 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in
- **Delivery without cover, end caps and mounting clamps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**



Type	Length	Colour	Article no.
ALU Profile SlimLine Corner 45°	2 metres	Alu anodised	68635
ALU Profile SlimLine Corner 45°	2 metres	white	68636
ALU Profile SlimLine Corner 45°	3 metres	Alu anodised	68638
Profile cover - clear	2 metres		68597
Profile cover - matt	2 metres		68598
Profile cover - matt	3 metres		68578
Profile cover - semi-matt	2 metres		68594
Profile cover lens 30° matt	2 metres		68799
Profile cover lens 60° clear	2 metres		68792
Profile cover lens 60° matt	2 metres		68794



Accessories also on Pages 312/313



Small Clamps - Big Impact

No-trouble fitting in suspended ceilings

Turn our H18 collar profile, alu profile SL Wide H20 and Powerline 80 collar into a ceiling installation light strip for unbounded configuration possibilities



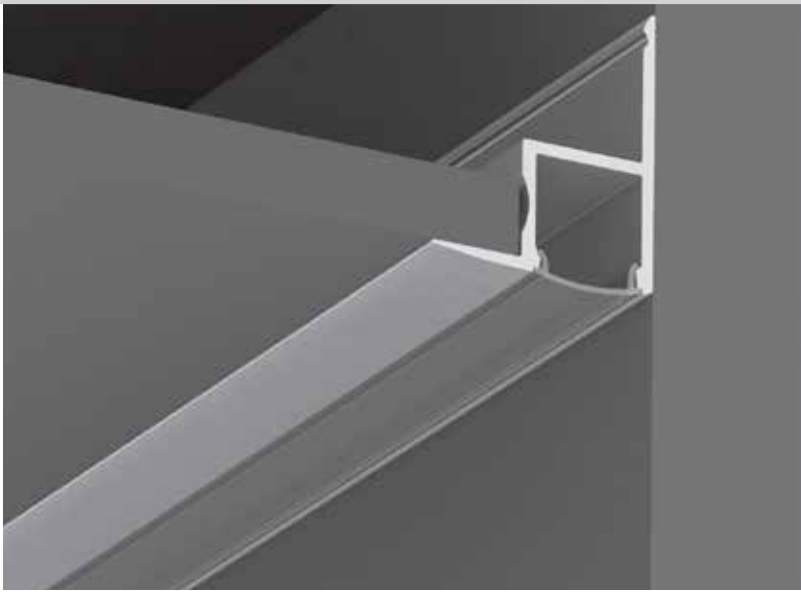
Aluminum Profile PROFI Ceiling

for suspended ceilings · for strips up to an 18 mm width

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Lengths: 1 and 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover - please order separately**

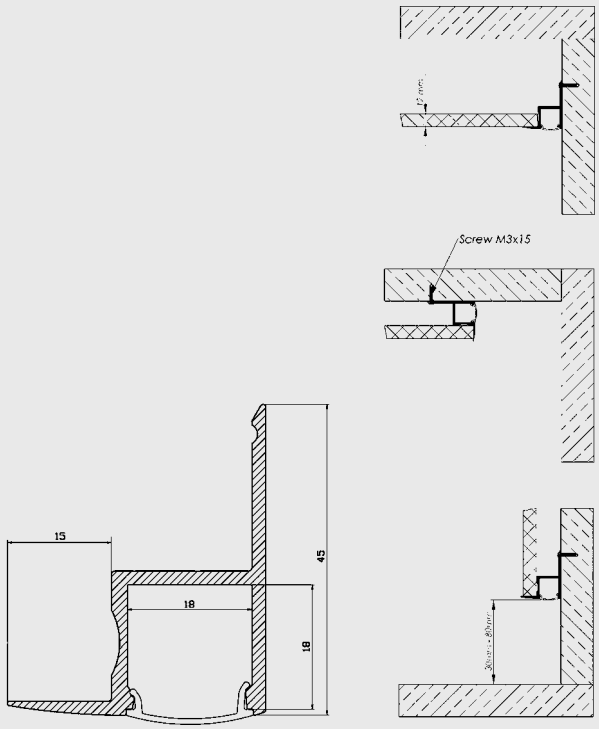


ALU Profile PROFI Ceiling



ORDERING INFORMATION

Type	Length	Article no.
Aluminum profile PROFI ceiling	2 metres	68855
Profile cover - clear	2 metres	68897
Profile cover - semi-matt	2 metres	68894
Profile cover - matt	1 metre	68896
Profile cover - matt	2 metres	68898
Profile cover - flat matt	2 metres	68893



Aluminum Profile Wallwasher Ceiling

for strips up to a width of 12.2 mm

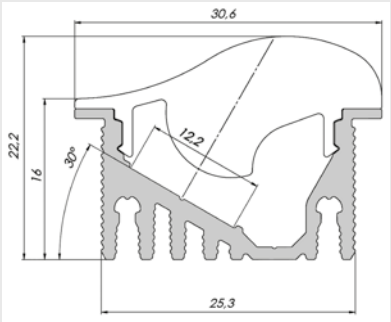
- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12.2 mm in width
- For indoor use
- Length: 2 metres
- Profile cover in matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cable duct (improved heat dissipation, as a result)
- Delivery without cover and end caps - please order them separately
- **Note: Not for VARDAflex in-feeder and direct connectors**





ORDERING INFORMATION

Type	Length	Article no.
ALU Profile Wallwasher Ceiling	2 metres	68655
Profile cover matt wall outer	2 metres	68659
End cap on the left for 68655		68658
End cap on the right for 68655		68657

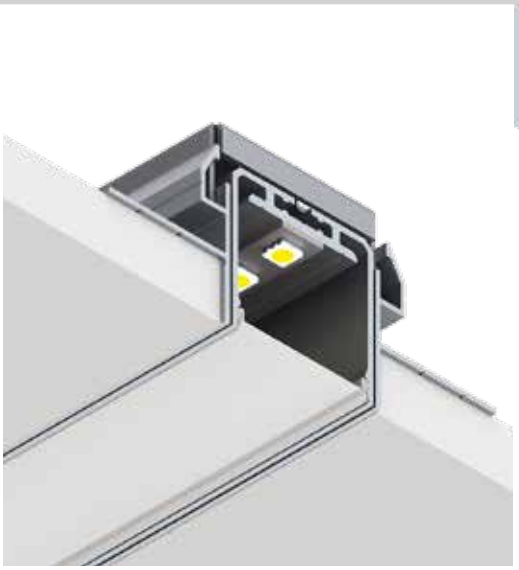


Aluminum Profile Powerline LED H.35mm Smooth

for strips up to a width of 27 mm

- Material: Aluminum anodised
- For flexible LED strips up to 27 mm in width
- Internal size also suitable for VARDAflex in-feeder and direct connectors
- For indoor use
- Length 2 and 3metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupturefree
- Cover can be easily fitted and dismantled by clicking in a the front
- **Delivery without cover, end caps and mounting clamps - please order them separately**





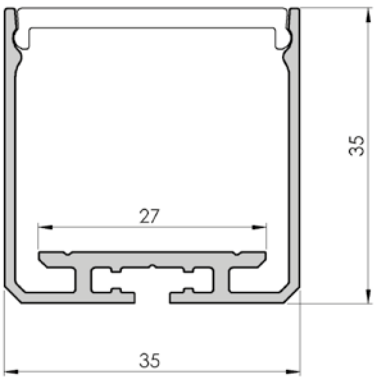


ORDERING INFORMATION

Type	Colour	Length	Article no.
Aluminum Profile Powerline LED H.35mm Smooth	Alu	2 metres	68925
Aluminum Profile Powerline LED H.35mm Smooth	Alu	3 metres	68928
Aluminum Profile Powerline LED H.35mm Smooth	white	3 metres	68929

Accessories Alu Powerl. Profil LED H.35mm Smooth

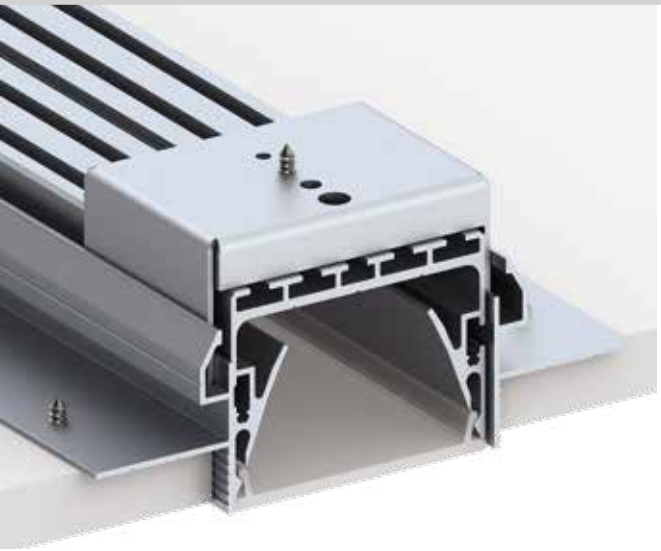
Type	Colour	Length	Article no.
Profile cover - clear		2 metres	68997
Profile cover - matt		3 metres	68994
Profile cover - matt PL35		2 metres	68998
Profile cover Prismn clear 35mm		2 metres	68137
Profile cover Prismn matt 35mm		2 metres	68138
Profile cover Prismn matt 35mm		3 metres	68139
ALU End cap Aluminum Profile Powerl. LED H.35mm Smooth			68101
ALU End cap Aluminum Profile Powerl. LED H.35mm Smooth	white		68102
Profile cover white 35mm	white	3 metres	68577
Mounting profile 2 metres - 2 needed per installation		2 metres	68107
Mounting profile 3 metres - 2 needed per installation		3 metres	68108
Mounting helper f. 68107/68108			68106
ALU connector 90°			68168
ALU connector			68178
Steel cable mounting			68663



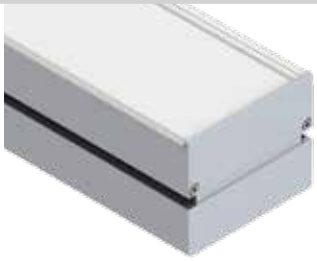
Aluminum Profile LED H.55mm

for strips up to a width of 30 mm

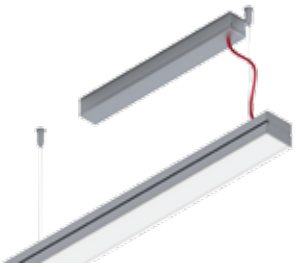
- Material: Aluminum anodised
- For flexible LED strips up to 30 mm in width
- Internal size also suitable for VARDAflex in-feeder and direct connectors
- For indoor use
- Length 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupturefree
- Cover can be easily fitted and dismantled by clicking in a the front
- **Delivery without cover, end caps and mounting clamps - please order them separately**









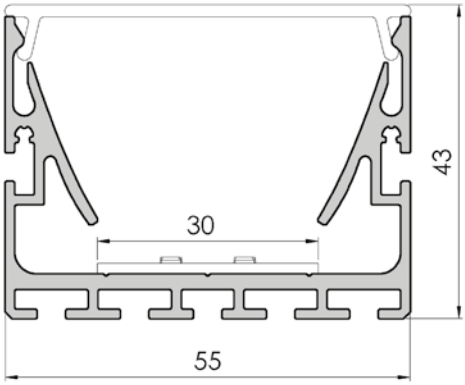


ORDERING INFORMATION

Type	Length	Article no.
ALU Profil LED H.55mm	2 metres	68535

Accessories Alu Profil LED H.55mm

Type	Length	Article no.
Profile cover - matt 55 mm	2 metres	68148
Profile cover Prismn clear 55 mm	2 metres	68142
Profile cover Prismn matt 55 mm	2 metres	68143
End cap 55 mm		68179
ALU connector		68178
ALU connector 90°		68168
Mounting clamp Metall		68169
Magnet-set incl. Mounting clamp + safety wire		68167
Safety clip		68166
Mounting profile 2 metres - 2 needed per installation	2 metres	68107
Mounting profile 3 metres - 2 needed per installation	3 metres	68108
Mounting helper f. 68107/68108		68109
Steel cable mounting		68663



Aluminum Profile PowerLine 116 Collar

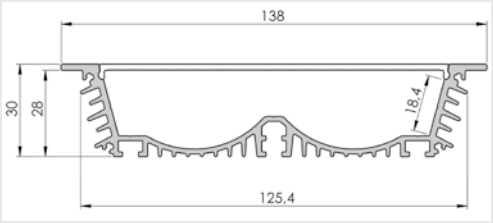
for strips up to a width of 18 mm

- Material: Aluminum anodised
- For flexible LED strips up to 18 mm in width
- Internal size also suitable for VARDAflex in-feeder and direct connectors
- For indoor use
- Length 2 metres
- Cover available in matt
- Covering material: polycarbonate, UV-resistant and rupturefree
- Cover can be easily fitted and dismantled by clicking in a the front
- **Delivery without cover, end caps and mounting clamps - please order them separately**



ORDERING INFORMATION

Type	Colour	Length	Article no.
ALU Profil Profi PL116 Collar	Alu	2 metres	68275
ALU Profil Profi PL116 Collar	white	2 metres	68279



Accessories Aluprofil PowerLine W116 Collar

Type	Colour	Length	Article no.
ALU End cap f. ALU Profil Profi PL116 Collar	Alu		68266
ALU End cap f. ALU Profil Profi PL116 Collar	white		68267
ALU connector f. ALU Profil Profi PL116 Collar			68257
Mounting clamp f. ALU Profil Profi PL116 Collar			68247
Profile cover - matt 116 mm		2 metres	68579

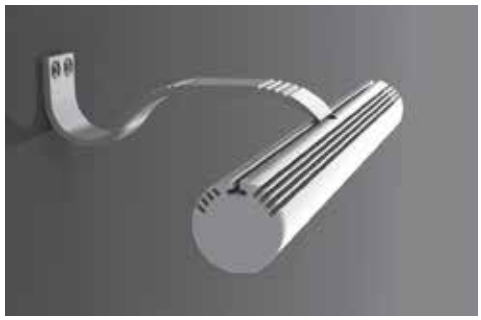
Aluminum Profile Round

for strips up to a width of 12.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12.2 mm in width
- For indoor use
- Clear and matt covers can be delivered as accessories
- Lengths: 1 and 2 metres
- **Delivery without cover, end caps and mounting clamp and wall arms - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**



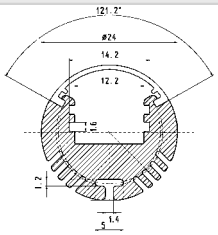


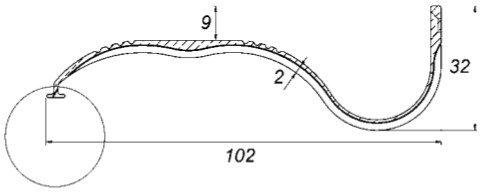


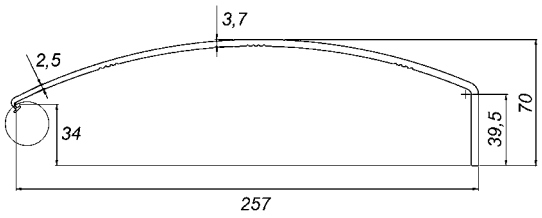


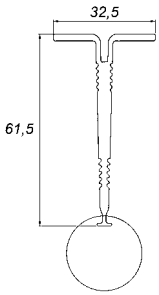
ORDERING INFORMATION

Type	Length	Article no.
Aluminum Profile Round	1 metre	68640
Aluminum Profile Round	2 metres	68645
Profile cover - clear	1 metre	68691
Profile cover - clear	2 metres	68693
Profile cover - matt	1 metre	68692
Profile cover - matt	2 metres	68694









ALU Profile Round
with cover - matt

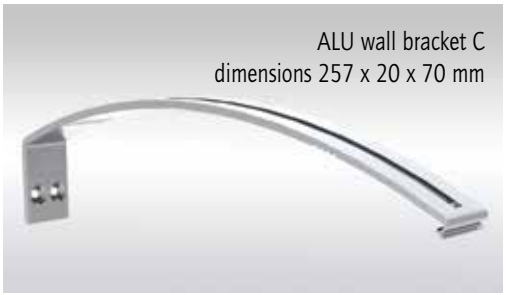


ALU Profile Round
with cover - clear





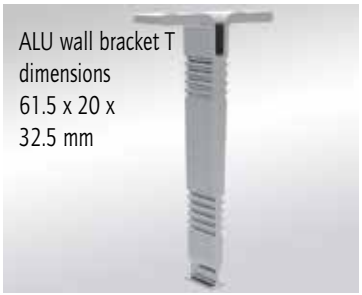
ALU wall bracket C
dimensions 257 x 20 x 70 mm



ALU wall bracket S
dimensions 102 x 20 x 32 mm



ALU wall bracket T
dimensions
61.5 x 20 x
32.5 mm



ALU end caps



Mounting clamps



End cap in-feeder fitting



Accessories	Article no.
Aluminum end cap in-feeder Round	68678
Aluminum end cap Round	68677
Mounting clamp Round	68695
End cap in-feeder fitting	68696
Wall bracket S - profile round, aluminum	68697
Wall bracket C - profile round, aluminum	68698
Wall bracket T - profile round, aluminum	68699
Connector for steel cable mounting	68662
Steel cable mounting	68663

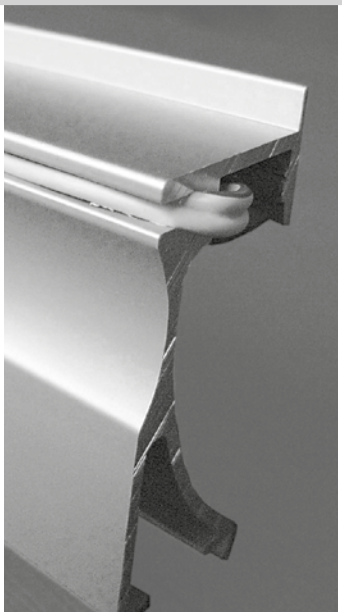
Aluminum Profile SlimLine Wall

for strips up to a width of 12.2 mm

- Material: Aluminum anodised
- For flexible LED strips up to 12.2mm in width
- For indoor use
- Lengths: 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover and end caps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**


Alu Profile SlimLine Wall

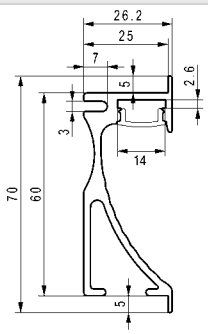






ORDERING INFORMATION

Type	Length	Article no.
Aluminum Profile SlimLine Wall	2 metres	68955
Profile cover - clear	2 metres	68597
Profile cover - matt	2 metres	68598
Profile cover - semi-matt	2 metres	68594
End cap SlimLine wall on the left		68981
End cap SlimLine wall on the right		68980
Profile cover lens 30° matt	2 metres	68799
Profile cover lens 60° clear	2 metres	68792
Profile cover lens 60° matt	2 metres	68794



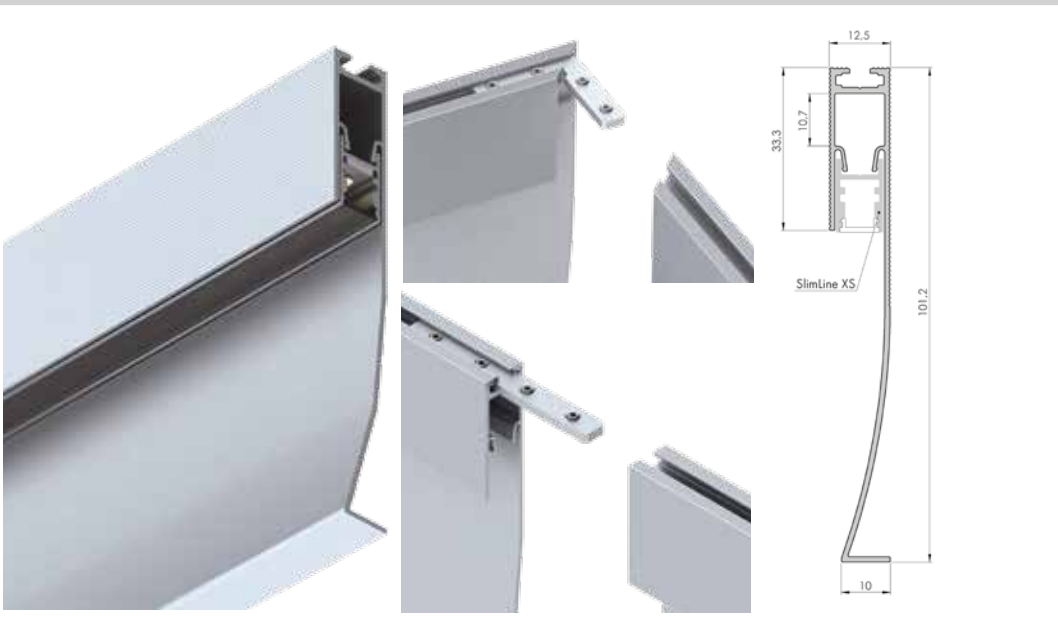
Accessories also on Pages 312/313

Aluminum Profile Baseboard

for strip VARDAflex Mini und Aluminum Profile 68555 (Page 176/177)

- Material: Aluminum anodised
- For indoor use
- Length 2 and 3 metres
- **Delivery without LED-Strip VARDAflex Mini and Aluminum Profile 68555 - please order them separately**





ORDERING INFORMATION

Type	Colour	Length	Article no.
Aluminum Profile Baseboard	Alu	2 metres	68265
Aluminum Profile Baseboard	Alu	3 metres	68268
Aluminum Profile Baseboard	white	3 metres	68269
ALU connector			68178
ALU connector 90°			68168

Alu Profile SL WIDE Wall H20

for strips up to a width of 18.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 18.2mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Lengths: 1 and 2 metres
- Profile cover in matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using the wall mounting clamp
- **Delivery without cover, end caps, screws and wall mounting profile - please order them separately**
- **Use counter-sunk head screws e.g. PH1 2.9 x 9.5 mm for fixing the profile in the mounting rail**

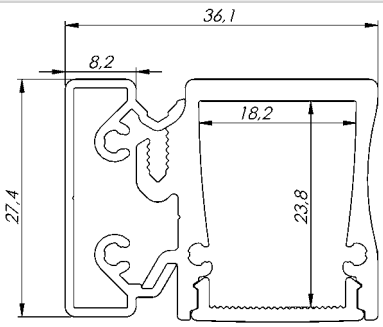




Type	Length	Article no.
Aluminum Profile SL WIDE Wall H20	2 metres	68735

Accessories Alu Profile SL WIDE Wall H20

Accessories	Length	Artikel Nr
Aluminum end cap for SLW20 on the right		68985
Aluminum end cap for SLW20 on the left		68979
Profile cover - matt SLW20	1 metre	68990
Profile cover - matt SLW20	2 metres	68991
Wall mounting profile flat	1 metre	68776
Wall mounting profile flat	2 metres	68777
Aluminum end cap W-Mprofile flat		68782
Wall mounting profile elevated	2 metres	68779
Aluminum end cap W-Mprofile elevated		68789





Bildquelle: XtravaganT

Aluminum Profile PowerLine Wall H35

for strips up to a width of 31 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 31mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors**
- For indoor use
- Lengths: 1 and 2 metres
- Profile cover in clear and matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using the wall mounting profiles
- **Delivery without cover, end caps, screws and wall mounting profile - please order them separately**
- **Use counter-sunk head screws e.g. PH1 2.9 x 9.5 mm for fixing the profile in the mounting rail**

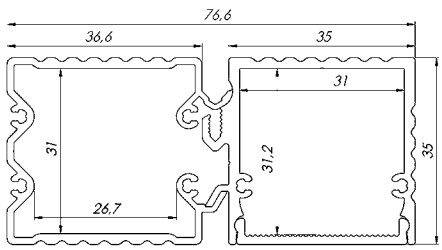


ORDERING INFORMATION

Type	Length	Article no.
Aluminum Profile PowerLine Wall H35	1 metres	68740
Aluminum Profile PowerLine Wall H35	2 metres	68745

Accessories Alu Profile PowerLine Wall H35

Accessories	Length	Article no.
Aluminum end cap on the right for PL35		68986
Aluminum end cap on the left for PL35		68665
Profile cover Prismn clear 35mm	2 metres	68137
Profile cover Prismn matt 35mm	2 metres	68138
Profile cover - clear PL35	1 metre	68995
Profile cover - clear PL35	2 metres	68997
Profile cover - matt PL35	2 metres	68998
Wall mounting profile flat	1 metre	68776
Wall mounting profile flat	2 metres	68777
Aluminum end cap W-Mprofile flat		68782
Wall mounting profile elevated	2 metres	68779
Aluminum end cap W-Mprofile elevated		68789



Aluminum Profile PL Wall H35 Up and Down

for strips up to a 31 mm width

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 31mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors**
- For indoor use
- Lengths: 1 and 2 metres
- Profile cover in clear and matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using the wall mounting profiles
- **Delivery without cover, end caps, screws and wall mounting profile - please order them separately**
- **Use counter-sunk head screws e.g. PH1 2.9 x 9.5 mm for fixing the profile in the mounting rail**





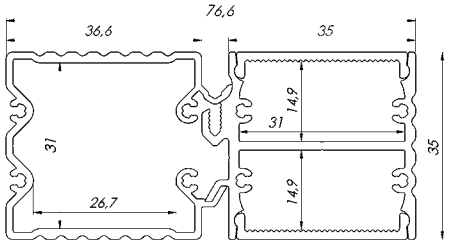


Type	Length	Article no.
Aluminum Profile PowerLine Wall H35 U/D	2 metres	68755

Accessories Alu Profile PowerLine Wall H35 Up and Down

Accessories	Length	Article no.
Aluminum end cap for PL35 U/D		68987
Profile cover Prismn clear 35mm	2 metres	68137
Profile cover Prismn matt 35mm	2 metres	68138
Profile cover - clear PL35	1 metre	68995
Profile cover - clear PL35	2 metres	68997
Profile cover - mattPL35	2 metres	68998
Wall mounting profile flat	2 metres	68777
Aluminum end cap W-Mprofile flat		68782
Wall mounting profile elevated	2 metres	68779
Aluminum end cap W-Mprofile elevated		68789

CAUTION: 2 profile covers are needed



Alu Profile Wall Sail Up and Down

for strips up to 12.2 (up) and 18 mm (down) in width

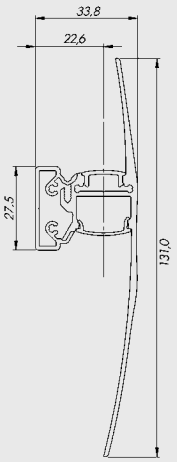
- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12.2 and 18 mm in width respectively
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Length: 2 metres
- Profile cover in clear and matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- The profile can be easily fitted using the wall mounting profiles
- **Delivery without cover, end caps, screws and wall mounting profile - please order them separately**
- **Use counter-sunk head screws e.g. PH1 2.9 x 9.5 mm for fixing the profile in the mounting rail**





ORDERING INFORMATION

Type	Length	Article no.
Aluminum Profile Wall Sail Up and Down	2 metres	68775



Accessory Alu Profile Wall Sail Up and Down

Accessories	Length	Artikel Nr
Aluminum end cap for sail U/D on the right		68988
Aluminum end cap for sail U/D on the left		68978
Wall mounting profile flat	2 metres	68777
Aluminum end cap W-Mprofile flat		68782
Aluminum end cap W-Mprofile elevated		68789

Profile covers SL	Length	Article no.
Profile cover - semi-matt SL	2 metres	68594
Profile cover - clear SL	2 metres	68597
Profile cover - matt SL	2 metres	68598

CAUTION:
2 profile covers are needed
Order SL and a Profi in each instance

Profile cover PROFI	Length	Article no.
Profile cover - clear PROFI	2 metres	68897
Profile cover - matt PROFI	2 metres	68898
Profile cover flush matt PROFI	2 metres	68893

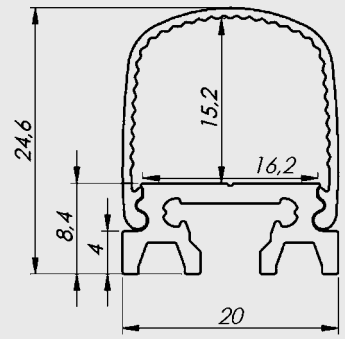
Alu Profile Round Cover H25

for strips up to a width of 16.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 16.2 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors (except for VARDAflex Para)**
- For indoor use
- Length: 2 metres
- Circular profile cover in matt
- Covering material polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- Cable duct (improved heat dissipation, as a result)
- **Delivery without cover and end caps - please order them separately**







Type	Length	Article no.
ALU Profile Round Cover	2 metres	68675

Accessories Alu Profile Round Cover H25

Accessories	Length	Article no.
Aluminum end cap for round cover		68679
Round profile cover matt	2 metres	68791

Wall Profile IP54

for strips up to a width of 56 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 56 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors**
- for indoor and outdoor use, IP54
- Length: 2 metres
- Profile cover in matt and clear
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cable duct (improved heat dissipation, as a result)
- Cover can be easily fitted and dismantled by clicking in at the front
- **Delivery without cover and end caps - please order them separately**



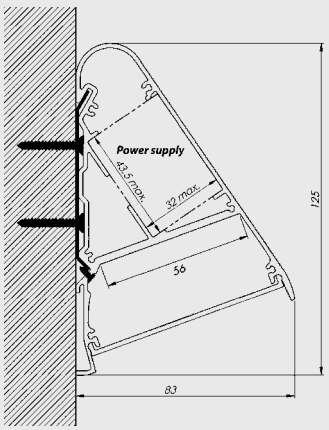
IP 54

ORDERING INFORMATION

Type	Length	Article no.
Wall profile outside IP54	2 metres	68215

Accessories Wall Profile IP 54

Accessories	Length	Article no.
End cap on left with seal for 68215		68288
End cap on right with seal for 68216		68289
Mounting clamp for 68215		68290
Profile cover clear wall outer	2 metres	68291
Profile cover matt wall outer	2 metres	68992





Aluminum Profile LED IP68 H31

inspectable · for strips up to a 20 mm width

passable up to 1 t/cm²

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 20 mm in width
- **Internal size also suitable for VARDAflex in-feeder and direct connectors**
- Length: 2 metres
- Crush and scratch-resistant matt and clear cover - not included in the scope of delivery
- CAUTION: Seal the covers with neutrally cross-linked silicon
- **Delivery without cover, end caps and fastening rail - please order them separately**
- **You can find a mounting manual for IP68 profiles on Page 347.**
- **We suggest the use of grub screws e.g. M5 x 10 for fixing the rails**





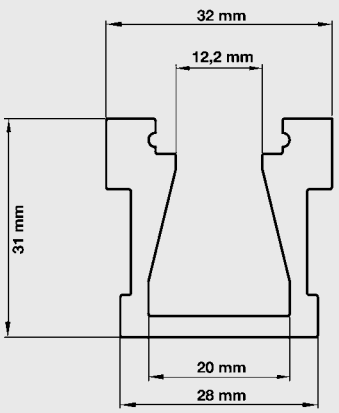
IP 68

ORDERING INFORMATION

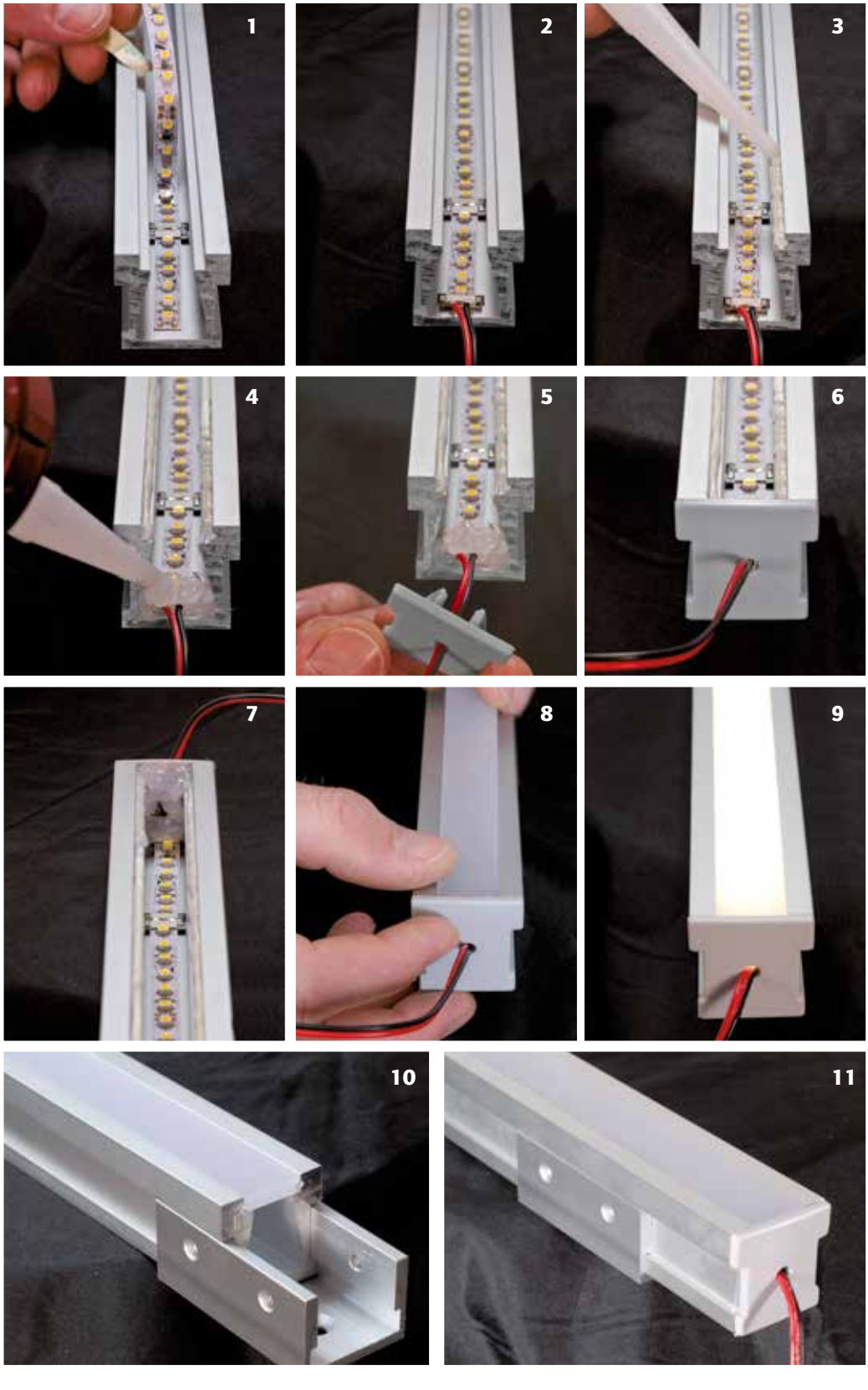
Type	Length	Article no.
Aluminum Profile LED IP68 H31	2 metres	68025

Accessories Alu profile IP68

Accessories	Length	Article no.
Fastening rail		68028
End cap in-feeder		68786
End cap		68785
Silicon, neutrally cross-linked, 310ml		89999
Profile cover matt IP68	2 metres	68094
Profile cover clear IP68	2 metres	68099



Mounting for IP68-Profiles



1 Glue strip into the profile
2 Fit the in-feeder connector
3. Insert silicon into the covering rail and
4. at the start of the profile section
5. Fit the end cap
6. End cap fitted
7. Seal with silicon from the back
8. at the cover
9. Function test
10. Fit the mounting rail
11. **Allow to harden 48 hours needed for complete hardening**
12. Finished

CAUTION!
Only use neutrally cross-linked silicon.

Aluminum Profiles IP68 H11

for strips up to a width of 12 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12 mm in width
- Length: 2 metres
- Crush and scratch-resistant matt and clear cover - not included in the scope of delivery
- CAUTION: Seal the covers with neutrally cross-linked silicon
- **Delivery without cover, end caps and fastening rail - please order them separately**
- **You can find a mounting manual for IP68 profiles on Page 347.**
- **Note: Not for VARDAflex in-feeder and direct connectors**



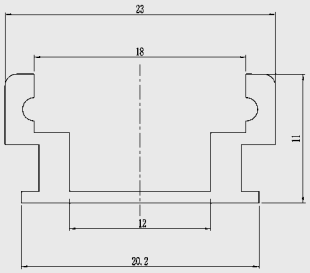


68225

IP 68

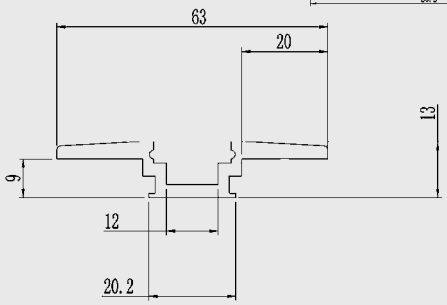
ORDERING INFORMATION

Type	Length	Colour	Article no.
Aluminum profile IP68 H11	2 metres	ALU	68125
Aluminum profile Collar IP68 H11	2 metres	ALU	68225



Accessories Alu profile IP68

Accessories	Length	Article no.
Fastening rail	50 mm	68128
End cap in-feeder IP68 H11		68286
End cap IP68 H11		68285
End cap in-feeder Collar IP68 H11		68284
End cap Collar IP68 H11		68287
Silicon, neutrally cross-linked, 310ml		89999
Profile cover matt IP68	2 metres	68094
Profile cover clear IP68	2 metres	68099



Alu Profiles IP68 Corner

for strips up to a width of 12.2 mm

- For flexible LED strips and rigid strips up to 12.2 mm in width
- Length: 2 metres
- Crush and scratch-resistant matt and clear cover - not included in the scope of delivery
- CAUTION: Seal the covers with neutrally cross-linked silicon
- **Delivery without cover, end caps and fastening rails - please order them separately**
- **You can find a mounting manual for IP68 profiles on Page 347.**
- **We suggest the use of grub screws e.g. M5 x 10 for fixing the rails**
- **Note: Not for VARDAflex in-feeder and direct connector**

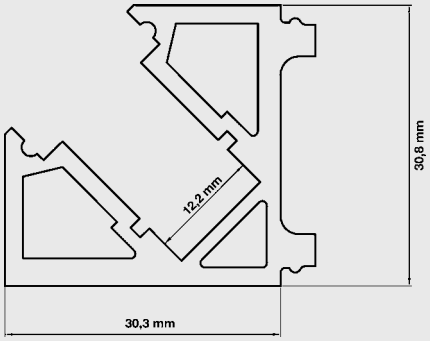




IP 68

Type	Length	Colour	Article no.
Aluminum Profile IP68 Corner	2 metres	ALU	68035

Accessories	Length	Artikel Nr
Fastening rail		68038
End cap		68783
End cap in-feeder		68784
Silicon, neutrally cross-linked, 310ml		89999
Profile cover matt IP68	2 metres	68094
Profile cover clear IP68	2 metres	68099



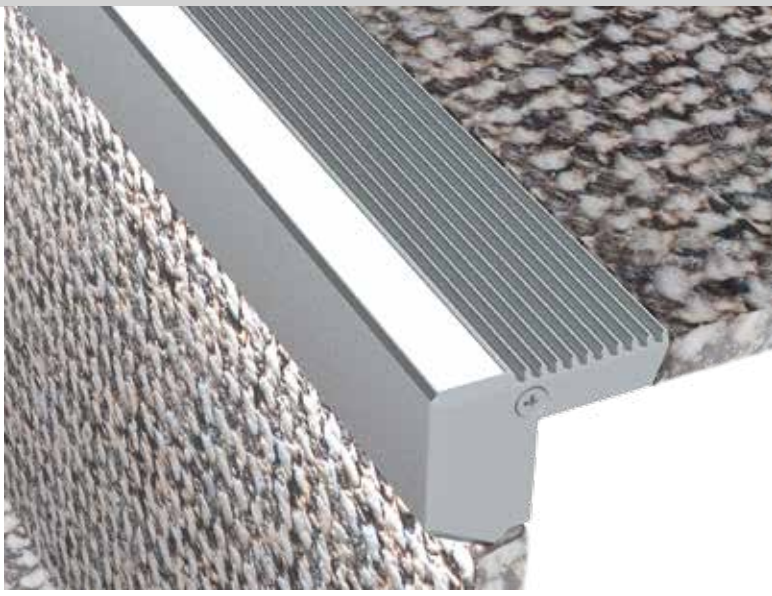
Aluminum profile Stair Slender

for strips up to a width of 8 mm

NEW

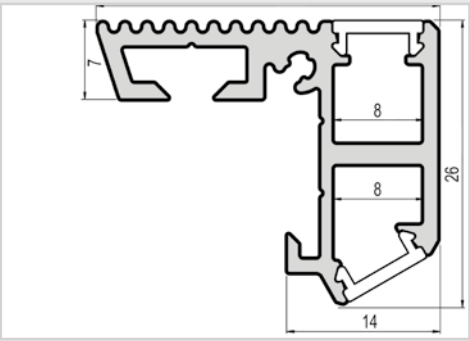
- Material: Aluminum anodized
- For flexible LED-Strips up to 8mm in width
- For indoor use
- Length: 2 and 3 metres
- Delivery without cover and mounting clamps - Please order separately
- Profile cover: frosted
- Cover material: Polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in





ORDERING INFORMATION

Type	Length	Article no.
Aluminum profile stair Slender	2 metres	68235
Aluminum profile stair Slender	3 metres	68236
Profile cover - matt	2 metres	68568
Profile cover - matt	3 metres	68228
ALU End cap on the left		68280
ALU End cap on the right		68281

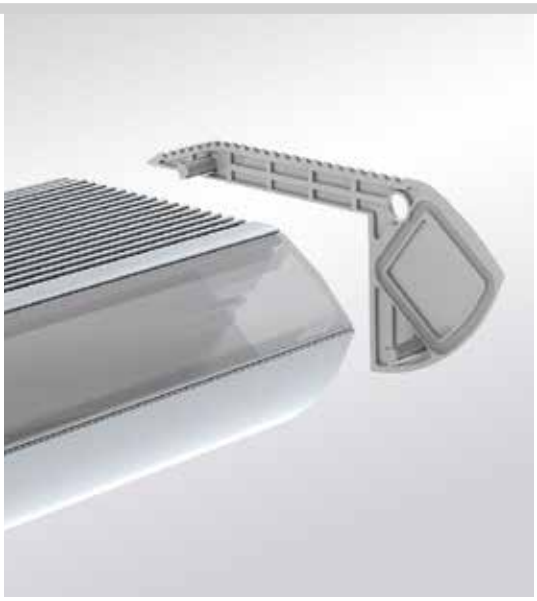


Alu Profile SlimLine Stair

for strips up to a width of 12.2 mm

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12.2 mm in width
- For indoor use
- Lengths: 1 and 2 metres
- New slightly arched cover with optimised optical properties
- Available in clear, matt and semi-matt
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- For accident prevention reasons, we would suggest bolting the stair profiles
- **Delivery without cover and end caps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connector**

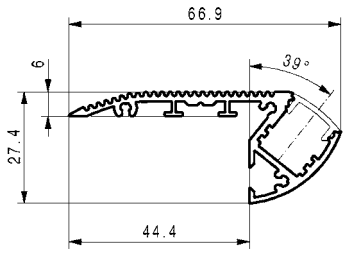






ORDERING INFORMATION

Type	Length	Article no.
Aluminum Profile SlimLine Stair	1 metre	68180
Aluminum Profile SlimLine Stair	2 metres	68181
Profile cover - clear	2 metres	68597
Profile cover - matt	1 metre	68596
Profile cover - matt	2 metres	68598
Profile cover - semi-matt	2 metres	68594
End cap SlimLine Stair on the left		68184
End cap SlimLine Stair on the right		68185



Accessories also on Pages 312/313

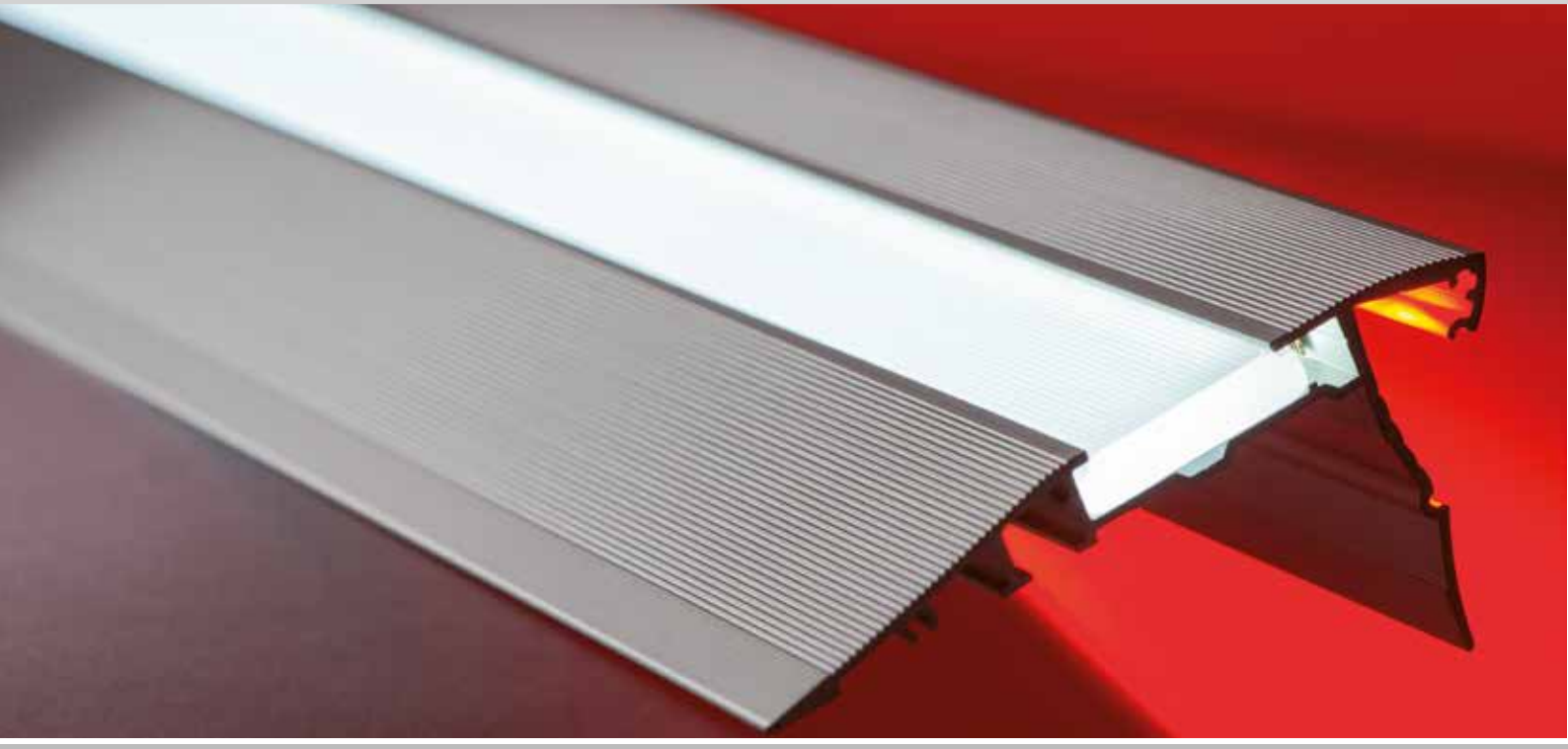
Alu Profile Stair indirect

for strips up to 12 and 6 mm in width

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12.2 mm in width (indirect lighting at the front) upper lighting max. 6 mm width
- For indoor use
- Length: 2 metres + 3 metres
- Matt cover for lighting at the top or anti-slip rubber (grey)
- Side LED strip brings about a homogeneous upper lighting
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- For accident prevention reasons, we would suggest bolting the stair profiles
- **Delivery without cover, anti-slip rubber and end caps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**

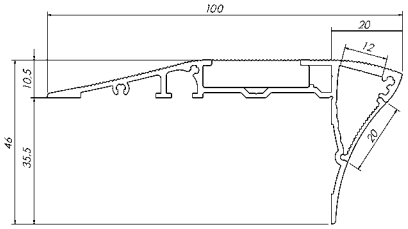


End caps



ORDERING INFORMATION

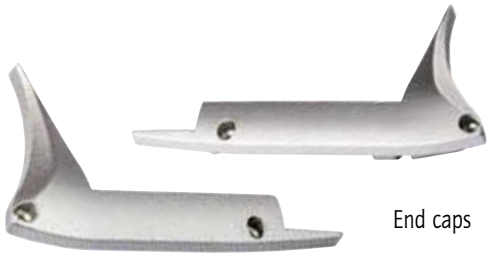
Type	Length	Article no.
Aluminum Profile Stair indirect	2 metres	68255
Aluminum Profile Stair indirect	3 metres	68256
Profile cover - front	2 metres	68298
Profile cover - front	3 metres	68295
Profile cover - matt Plexi at top	2 metres	68299
Profile cover - matt Plexi at top	3 metres	68296
Anti-slip rubber - grey	2 metres	68297
Anti-slip rubber - grey	3 metres	68294
ALU end cap stair indirect on left		68259
ALU end cap stair indirect on right		68258



Alu Profile Stair indirect Carpet

for strips up to 12 and 6 mm in width

- Material: Aluminum anodised
- For flexible LED strips and rigid strips up to 12.2 mm in width (indirect lighting at the front) upper lighting a max. 6 mm width
- For indoor use
- Length: 2 metres
- Matt cover for lighting at the top or anti-slip rubber (grey)
- Side LED strip brings about a homogeneous upper lighting
- Covering material: polycarbonate, UV-resistant and rupture-free
- Cover can be easily fitted and dismantled by clicking in at the front
- For accident prevention reasons, we would suggest bolting the stair profiles
- **Delivery without cover, anti-slip rubber and end caps - please order them separately**
- **Note: Not for VARDAflex in-feeder and direct connectors**

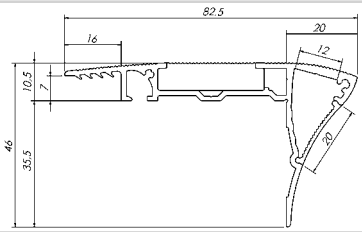


End caps



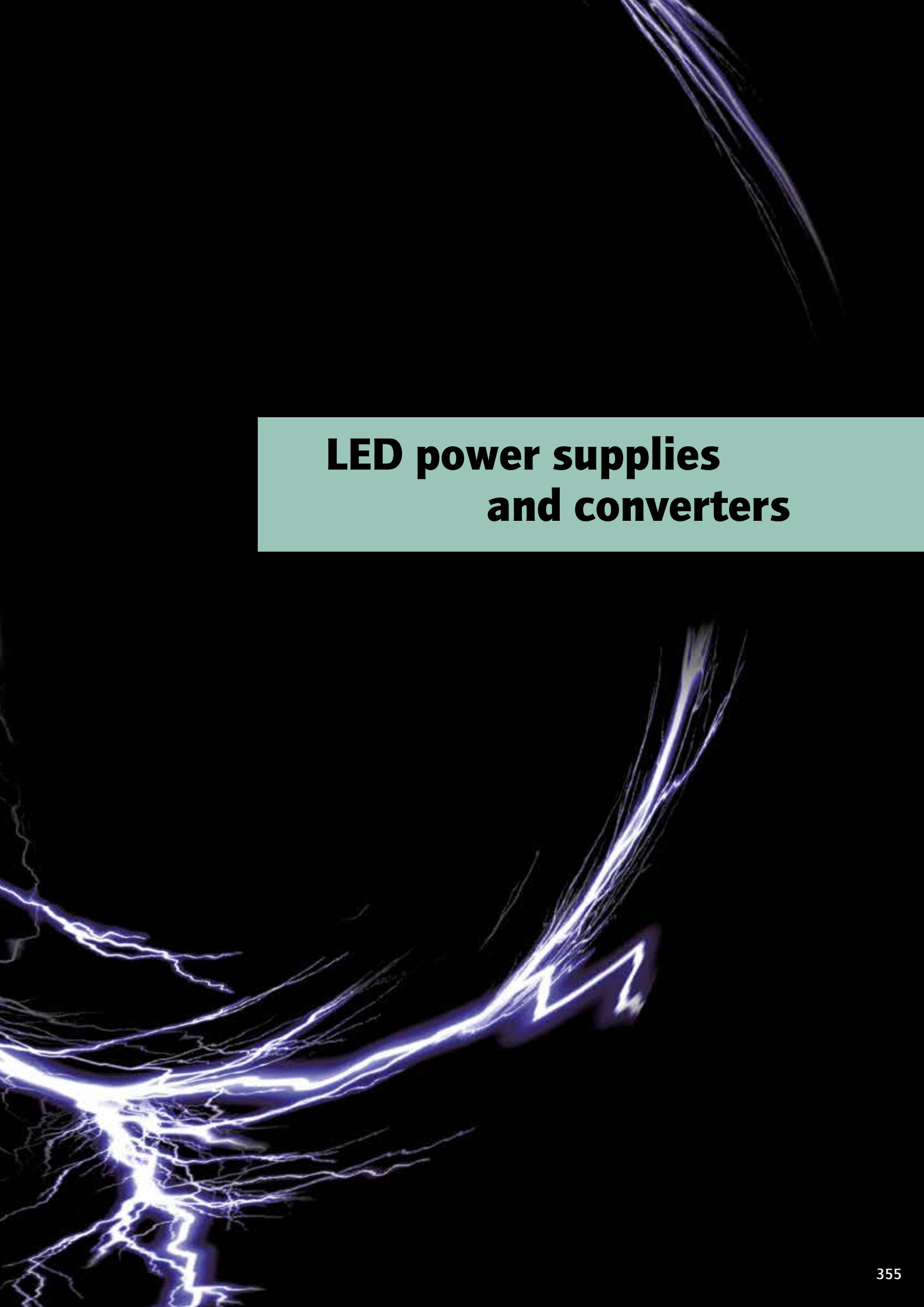
Anti-slip rubber

Type	Length	Article no.
Aluminum Profile Stair indirect Carpet	2 metres	68245
Profile cover - at the front	2 metres	68298
Profile cover - matt Plexi at top	2 metres	68299
Anti-slip rubber - grey	2 metres	68297
ALU end cap stair indirect Carpet on left		68249
ALU end cap stair indirect Carpet on right		68248





LED power supplies and converters



Overview
LED Power Supplies. 12/24 V DC

Art. No.				85469	85984	85470	85071	85471	85461
Volt				12V	12V	12V	12V	12V	12V
Watt				12W	25W	36W	50W	60W	58W
IP protection				IP64	IP64	IP64	IP67	IP64	IP67
Catalogue page				358	359	360	363	361	363
Type LED Strips	Page	Volt	Power W/m	max. per connetion (one-side)	Maximum length or amount per controller.				
single colour									
VARDAFLEX Neon Piko / Piko Top	238/240	24V	4.5	10m					
VARDAFLEX / CRI95 / IP68 / Infrared	142/144/204/188	12V	4.8	10m	2.2m	4.6m	6.7m	9.3m	11.2m	10.8m
VARDAFLEX 24V / CRI95 24V / Nano IP66 / IP68	142/144/192/194	24V	4.8	10m						
VARDAFLEX Side Mini (IP67) WW	230	12V	4.8	10m	2.2m	4.6m	6.7m	9.3m	11.2m	10.8m
VARDAFLEX Neon Mini / Mini Tube	248/250	24V	5	15m						
VARDAFLEX Outdoor IP65	208	24V	6	15m						
VARDAFLEX Neon Color R / Neon Tube Color R	258	24V	6.5	10m						
VARDAFLEX Side Mini (IP67) W	230	12V	7.2	10m	1.5m	3.1m	4.5m	6.2m	7.5m	7.2m
VARDAFLEX Neon Amber / Top Amber	252/280	24V	7.2	10m						
VARDAFLEX Plus / Mini / Plus IP68	146/176/206	12V	9.6	10m	1.1m	2.3m	3.3m	4.6m	5.6m	5.4m
VARDAFLEX Side Mini IP67 R/Y/B/G	230	12V	9.6	10m	1.1m	2.3m	3.3m	4.6m	5.6m	5.4m
VARDAFLEX Plus 24V / Plus IP67	146/202	24V	9.6	10m						
VARDAFLEX Plus CRI90 / Plus Nano IP66	148/194	24V	9.6	10m						
VARDAFLEX Neon Color G/B / Tube Color G/B	258/274	24V	10.6	10m						
VARDAFLEX Neon Top	280	24V	11	10m						
VARDAFLEX Outdoor Plus IP65 / Opal Outdoor Plus	210/212	24V	12	10m						
VARDAFLEX Neon/ Neon Tube / Neon SVQ	252/272/278	24V	12	10m						
VARDAFLEX Neon Mikro / Mikro Top	242/244	24V	12.5	6m						
VARDAFLEX Plus Profi	150	12V	14.4	10m	0.7m	1.5m	2.25m	3.1m	3.7m	3.6m
VARDAFLEX Double / CRI95	152/154	12V	19.2	8m	0.5m	1.1m	1.6m	2.3m	2.8m	2.7m
VARDAFLEX Para UV blacklight	190	12V	19.2	5m	0.5m	1.1m	1.6m	2.3m	2.8m	2.7m
VARDAFLEX Double / CRI95 24V / Double Nano IP66	152/154/196	24V	19.2	8m						
VARDAFLEX Para / Asymmetrical / Side Mini Double	156/182/180	24V	19.2	5m						
VARDAFLEX Ultra	158	12V	19.8	3m	0.5m	1.1m	1.6m	2.2m	2.7m	2.6m
VARDAFLEX Surround	184	24V	23.04	5m						
VARDAFLEX Triple	160	12V	24.5	3m	0.4m	0.9m	1.3m	1.8m	2.2m	2.1m
VARDAFLEX Double Profi	162	12V	25	3m	0.4m	0.9m	1.2m	1.8m	2.1m	2m
VARDAFLEX Double Profi 24V	162	24V	25	3m						
VARDAFLEX High Eco	164	12V	28.8	3m	0.3m	0.7m	1.1m	1.5m	1.8m	1.8m
VARDAFLEX High Performance	166	24V	44	2m						
VARDAFLEX High End	166	24V	38.5	2m						
multiple colour									
VARDAFLEX Outdoor RGB IP65	218	24V	6	15m						
VARDAFLEX RGB / RGB IP68	168/216	12V	7.2	10m	1.5m	3.1m	4.5m	6.2m	7.5m	7.2m
VARDAFLEX RGB 24V	168	24V	7.2	10m						
VARDAFLEX RGBWW	172	24V	9.6	5m						
VARDAFLEX Select / Select IP68	186/232	12V	9.6	10m	1.1m	2.3m	3.3m	4.6m	5.6m	5.4m
VARDAFLEX Outdoor Double RGB IP65 / Neon Select	220/256	24V	12	10m						
VARDAFLEX Neon RGB / Tube RGB	260/276	24V	12	10m						
VARDAFLEX Neon Top RGB	284	24V	12	5m						
VARDAFLEX Neon (Outdoor) Intelligence Eight/Two	220 /266	24V	12	10m						
VARDAFLEX RGB Double / RGB Double IP68	168/216	12V	14.4	8m	0.7m	1.5m	2.2m	3.1m	3.7m	3.6m
VARDAFLEX RGB Double 24V (IP68) / RGB Double Nano	198	24V	14.4	8m						
VARDAFLEX Outdoor RGBW Intelligence Eight	262	24V	15	5m						
VARDAFLEX Neon RGBW	264	24V	15	5m						
VARDAFLEX Neon RGBW Intelligence Eight	270	24V	15	5m						
VARDAFLEX Neon Top RGBW Intelligence Twelve	286	24V	15	5m						
VARDAFLEX RGBW (one Chip) / RGBW Nano IP66	170/200	24V	19.2	10m						
VARDAFLEX RGBW+Amber	174	24V	19.2	3m						
VARDAFLEX RGBW+WW/Amber	174	24V	28.8	3m						
VARDAFLEX RGBW+WW	174	24V	33.6	3m						

Type Lighting fixtures	Page	Volt	Power Watt/hour							
LARA round/LARA V4A IP55	52/53	12V	2.8	acc. ballast	3 Piece	8 Piece	11 Piece	16 Piece	19 Piece	18 Piece
LARA square	48/51	12V	2.5	acc. ballast	4 Piece	9 Piece	12 Piece	18 Piece	21 Piece	20 Piece
LARA square 2er	48/51	12V	5	acc. ballast	2 Piece	4 Piece	6 Piece	9 Piece	10 Piece	10 Piece
LARA square 3er	48/51	12V	7.5	acc. ballast	1 Piece	3 Piece	4 Piece	6 Piece	7 Piece	7 Piece

85462	85463	85464	87466	85459	85987	85475	85076	85476	85451	85477	85452	85453	85454	87456
12V	12V	12V	12V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
99W	132W	160W	264W	12W	25W	36W	15-50W	60W	75W	100W	100W	151W	199W	320W
IP67	IP67	IP67	IP65	IP64	IP64	IP64	IP67	IP64	IP67	IP64	IP67	IP67	IP67	IP65
363	363	363	364	358	359	360	363	361	363	362	363	363	363	364

ATTENTION: please note max. length per connection!

				2.4m	5m	7.2m	3.3-10m	12m	15m	20m	20m	30.2m	39.8m	64m
18.5m	24.7m	30m	49.5m											
				2.2m	4.6m	6.7m	3.1-9.3m	11.2m	14m	18.7m	18.7m	28.3m	37.3m	60m
18.5m	24.7m	30m	49.5m											
				2.1m	4.5m	6.4m	3-9m	10.8m	13.5m	18m	18m	27.1m	35.8m	57.6m
				1.8m	3.7m	5.4m	2.5-7.5m	9m	11.2m	15m	15m	22.6m	29.8m	48m
				1.6m	3.4m	4.9m	2.3-6.9m	8.3m	10.3m	13.8m	13.8m	20.9	27.5m	44.3m
12.3m	16.5m	20m	33m											
				1.5m	3.1m	4.5m	2-6.2m	7.5m	9.3m	12.5m	12.5m	18.8m	24.8m	40m
9.2m	12.3m	15m	24.7m											
9.2m	12.3m	15m	24.7m											
				1.1m	2.3m	3.3m	1.5-4.6m	5.6m	7m	9.3m	9.3m	14.1m	18.6m	30m
				1.1m	2.3m	3.3m	1.5-4.6m	5.6m	7m	9.3m	9.3m	14.1m	18.6m	30m
				1m	2.1m	3m	1.4-4.6m	5m	6.3m	8.4m	8.4m	12.8m	16.8m	27.1m
				0.9m	2m	2.9m	1.3-4m	4.9m	6.1m	8.1m	8.1m	12.3m	16.2m	26.1m
				0.9m	1.8m	2.7m	1.2-3.7m	4.5m	5.6m	7.5m	7.5m	11.3m	14.9m	24m
				0.9m	1.8m	2.7m	1.2-3.7m	4.5m	5.6m	7.5m	7.5m	11.3m	14.9m	24m
				0.8m	1.8m	2.5m	1.2-3.6m	4.3m	5.4m	7.2m	7.2m	10.8m	14.3m	23m
6.1m	8.2m	10m	16.5m											
4.6m	6.1m	7.5m	12.3m											
4.6m	6.1m	7.5m	12.3m											
				0.5m	1.1m	1.6m	0.7-2.3m	2.8m	3.5m	4.6m	4.6m	7m	9.3m	15m
				0.5m	1.1m	1.6m	0.7-2.3m	2.8m	3.5m	4.6m	4.6m	7m	9.3m	15m
4.5m	6m	7.2m	12m											
				0.4m	0.9m	1.4m	0.6-1.9m	2.3m	2.9m	3.9m	3.9m	5.8m	7.7m	12.5m
3.6m	4.8m	5.8m	9.6m											
3.5m	4.7m	5.7m	9.5m											
				0.4m	0.9m	1.2m	0.6-1.8m	2.1m	2.7m	3.6m	3.6m	5.4m	7.1m	11.5m
3m	4.1m	5m	8.2m											
				0.2m	0.5m	0.7m	0.3-1m	1.2m	1.5m	2m	2m	3m	4m	6.5m
				0.2m	0.5m	0.8m	0.3-1.1m	1.4m	1.7m	2.3m	2.3m	3.5m	4.6m	7.4m
				1.8m	3.7m	5.4m	2.5-7.5m	9m	11.2m	15m	15m	22.6m	29.8m	48m
12.3m	16.5m	20m	33m											
				1.5m	3.1m	4.5m	2-6.2m	7.5m	9.3m	12.5m	12.5m	18.8m	24.8m	40m
				1.1m	2.3m	3.3m	1.5-4.6m	5.6m	7m	9.3m	9.3m	14.1m	18.6m	30m
9.2m	12.3m	15m	24.7m											
				0.9m	1.8m	2.7m	1.2-3.7m	4.5m	5.6m	7.5m	7.5m	11.3m	14.9m	24m
				0.9m	1.8m	2.7m	1.2-3.7m	4.5m	5.6m	7.5m	7.5m	11.3m	14.9m	24m
				0.9m	1.8m	2.7m	1.2-3.7m	4.5m	5.6m	7.5m	7.5m	11.3m	14.9m	24m
				0.9m	1.8m	2.7m	1.2-3.7m	4.5m	5.6m	7.5m	7.5m	11.3m	14.9m	24m
6.1m	8.2m	10m	16.5m											
				0.7m	1.5m	2.2m	1-3.1m	3.7m	4.6m	6.2m	6.2m	9.4m	12.4m	20m
				0.7m	1.5m	2.1m	1-3m	3.6m	4.5m	6m	6m	9m	11.9m	19.2m
				0.7m	1.5m	2.1m	1-3m	3.6m	4.5m	6m	6m	9m	11.9m	19.2m
				0.7m	1.5m	2.1m	1-3m	3.6m	4.5m	6m	6m	9m	11.9m	19.2m
				0.7m	1.5m	2.1m	1-3m	3.6m	4.5m	6m	6m	9m	11.9m	19.2m
				0.5m	1.1m	1.6m	0.7-2.3m	2.8m	3.5m	4.6m	4.6m	7m	9.3m	15m
				0.5m	1.1m	1.6m	0.7-2.3m	2.8m	3.5m	4.6m	4.6m	7m	9.3m	15m
				0.3m	0.7m	1.1m	0.5-1.5m	1.8m	2.3m	3.1m	3.1m	4.7m	6.2m	10m
				0.3m	0.6m	0.9m	0.4-1.3m	1.6m	2m	2.6m	2.6m	4m	5.3m	8.5m

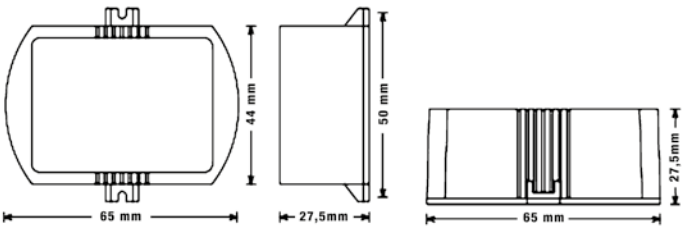
31 Piece	42 Piece	51 Piece	84 Piece											
35 Piece	47 Piece	57 Piece	95 Piece											
17 Piece	23 Piece	28 Piece	47 Piece											
11 Piece	15 Piece	19 Piece	31 Piece											



rutec LED 12V and 24V DC power supplies

for indoor and outdoor use

- IP64
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overload and overtemperature
- No minimum load necessary
- Primary and secondary-sided 1 supply and feed line



Parallel

ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~240V AC	12V 1A	12	plastic	65 x 50 x 27.5	±10%	>0.45	75%	50°C	80°C	-20~+50°C	85469
100~240V AC	24V 0.5A	12	plastic	65 x 50 x 27.5	±10%	>0.45	75%	50°C	80°C	-20~+50°C	85459



rutec LED 12V and 24V DC power supplies

for indoor and outdoor use

- IP64
- **Built-in active power factor correction (active PFC)**
- Protection Class II, CE, SELV, RoHS, REACH
- Protection against short-circuit, overload and overtemperature
- No minimum load necessary
- Primary and secondary-sided 1 supply and feed line

LPS Parallel

ORDERING INFORMATION

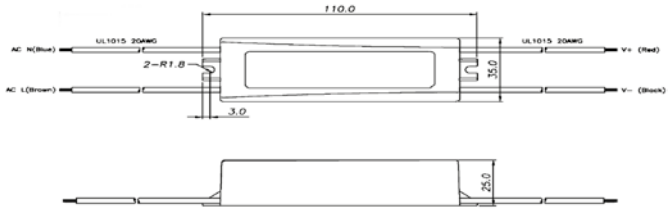
Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
90~295V AC	12V 2.1A	25	plastic	174 x 30.5 x 25	±5%	>0.45	82%	40°C	80°C	-20~+50°C	85984
90~295V AC	24V 1.04A	25	plastic	174 x 30.5 x 25	±5%	>0.45	84%	40°C	80°C	-20~+50°C	85987



rutec LED 12V and 24V DC power supplies

for indoor and outdoor use

- IP64
- Protection Class II, CE, RoHS, REACH, MM, LPS
- Protection against short-circuit, overload and overtemperature
- No minimum load necessary
- Primary and secondary-sided 1 supply and feed line



LPS Parallel RoHS REACH

ORDERING INFORMATION

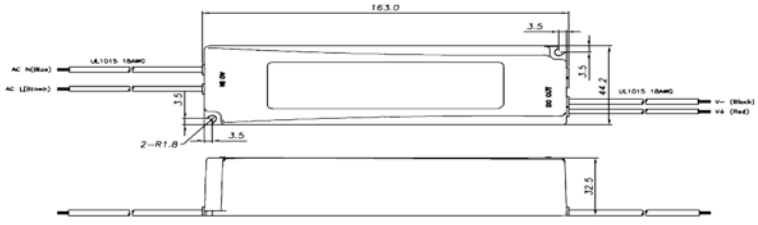
Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~240V AC	12V 3A	36	plastic	110 x 35 x 25	±5%	>0.45	83%	40°C	80°C	-20~+40°C	85470
100~240V AC	24V 1.5A	36	plastic	110 x 35 x 25	±5%	>0.45	85%	40°C	80°C	-20~+40°C	85475



rutec LED 12V and 24V DC power supplies

for indoor and outdoor use

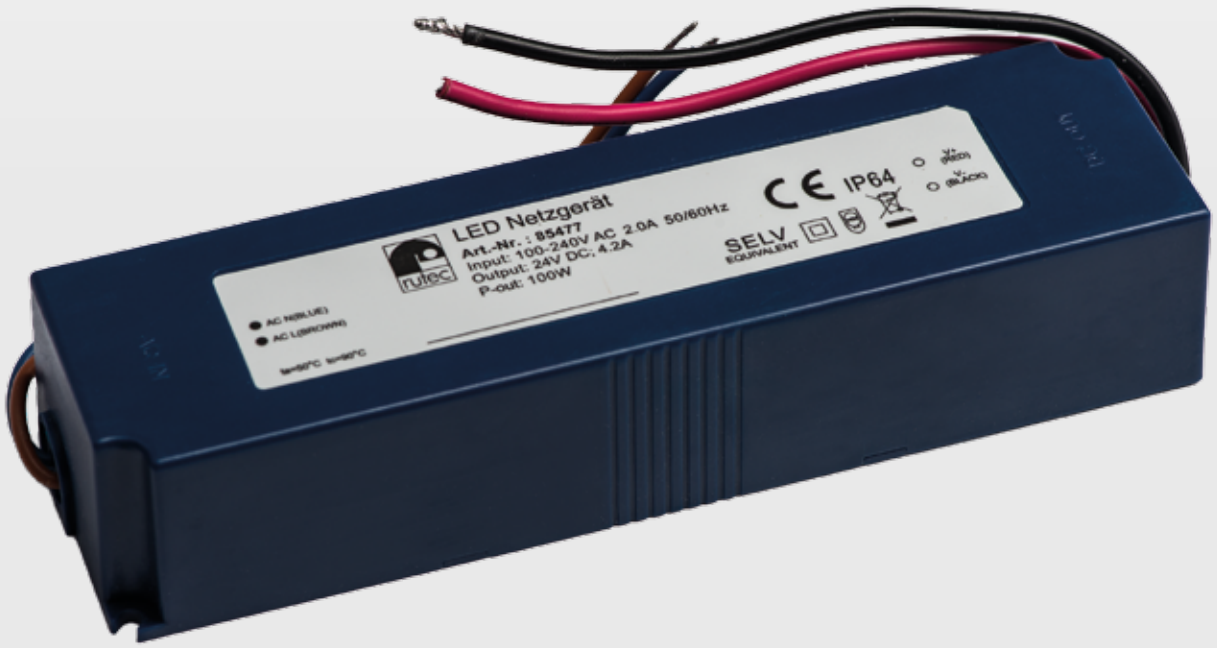
- IP64
- Protection Class II, CE, RoHS, REACH, MM, LPS
- Protection against short-circuit, overload, overcurrent and overtemperature
- No minimum load necessary
- Primary and secondary-sided 1 supply and feed line



LPS Parallel RoHS REACH

ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~240V AC	12V 5A	60	plastic	163 x 45 x 33	±5%	>0,45	85%	40°C	80°C	-20~+40°C	85471
100~240V AC	24V 2.5A	60	plastic	163 x 45 x 33	±5%	>0,45	87%	40°C	80°C	-20~+40°C	85476

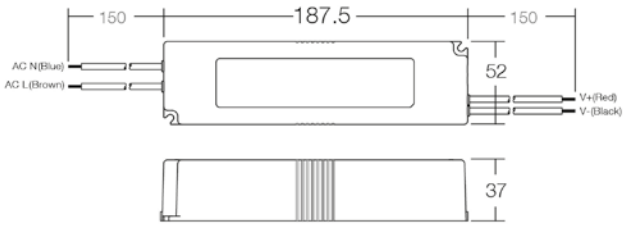


rutec LED 24V DC power supply

NEW

for indoor and outdoor use

- IP64
- Protection Class II, CE, RoHS, REACH, SELV
- Protection against short-circuit, overload, overcurrent and overtemperature
- No minimum load necessary
- Primary and secondary-sided 1 supply and feed line



Parallel RoHS REACH Equiv. SELV

ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~240V AC	24V 4.16A	100	plastic	187.5x52x37	±5%	>0,45	86%	50°C	90°C	-20~+50°C	85477



rutec LED 12V and 24V DC power supplies

for indoor and outdoor use

AKTIV PFC

- 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 - 15W
- Primary and secondary-sided 1 supply and feed line

Attention:
24V 50W
Art. 85076
min. power 15W

TÜVRheinland ZERTIFIZIERT
Bauart geprüft
Sicherheit
Regelmäßige Produktions-überwachung
www.tuv.com
ID 2000000000

except 85461 + 85451 + 85071 + 85076

CE IP 67 Parallel Equiv. SELV RoHS REACH

ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~277V AC	12V 4,16A	50	Aluminum	176 x 68 x 39	±5%	>0.94	82%	50°C	90°C	-20~+50°C	85071
100~277V AC	24V 2.1A	15-50	Aluminum	176 x 68 x 39	±5%	>0.94	85%	50°C	90°C	-20~+50°C	85076
100~277V AC	12V 4.9A	58	Aluminum	176 x 68 x 39	±5%	>0.94	86%	50°C	90°C	-20~+50°C	85461
100~277V AC	24V 3.15A	75	Aluminum	176 x 68 x 39	±5%	>0.94	86%	50°C	90°C	-20~+50°C	85451
100~277V AC	12V 8.3A	99	Aluminum	222 x 68 x 39	±5%	>0.95	88%	50°C	90°C	-30~+50°C	85462
100~277V AC	12V 11A	132	Aluminum	222 x 68 x 39	±5%	>0.95	88%	45°C	90°C	-30~+50°C	85463
100~277V AC	24V 4.2A	100	Aluminum	222 x 68 x 39	±5%	>0.95	90%	50°C	90°C	-30~+50°C	85452
100~277V AC	24V 6.3A	151	Aluminum	222 x 68 x 39	±5%	>0.95	90%	45°C	90°C	-30~+50°C	85453
100~277V AC	12V 13.4A	160	Aluminum	244 x 68 x 39	±5%	>0.94	87%	45°C	90°C	-30~+50°C	85464
100~277V AC	24V 8.3A	199	Aluminum	244 x 68 x 39	±5%	>0.94	90%	45°C	90°C	-30~+50°C	85454



12 V and 24 V DC HLG series for indoor and outdoor use

AKTIV PFC

- 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, overvoltage and overtemperature
- Galvanic isolation
- Output current / voltage adjustable via set screw (internal potentiometer) (just for 87456)
- Primary and secondary-sided 1 supply and feed line
- Primary-sided 1 supply secondary-sided 2 feed lines

TÜVRheinland Equiv. SELV IP 65 Parallel RoHS REACH

ORDERING INFORMATION

	Model	Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	R&N	Efficiency	Temperature range	Article no.
	HLG-120-12	90~264V AC	12V 0~10A	120	Aluminum	220 x 68 x 38.8	±2.5%	150mV	92%	-40~+70°C	87494
	HLG-150-12	90~264V AC	12V 0~12.5A	150	Aluminum	228 x 68 x 38.8	±2.5%	150mV	92%	-30~+70°C	87463
	HLG-240-12	90~264V AC	12V 0~16A	192	Aluminum	244.2 x 68 x 38.8	±2.5%	150mV	90%	-30~+70°C	87465
	HLG-320H-12	90~264V AC	12V 0~22A	264	Aluminum	252 x 90 x 43.8	±2.5%	150mV	92%	-30~+70°C	87466
	HLG-320H-24A	90~264V AC	24V 0~13.3A	320	Aluminium	252 x 90 x 43.8	±1.0%	150mV	94%	-30~+70°C	87456
NEW	HLG-600H-24B	90~305V AC	24V 0~25A	600	Aluminium	280 x 144 x 48.5	±1.0%	150mV	95%	-40~+90°C	87457



Meanwell LED Power Supply 5V 40W IP67

for indoor and outdoor use

- IP67
- Protection class II, CE, SELV, RoHS, LPS
- Protection against short-circuit, overload and overvoltage
- no minumum load
- Primary and secondary-sided 1 supply and feed line

IP 67 Parallel

ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
90~264V AC	5V 8A	40	Aluminum	162.5x42.5x32	±8%	>0.94	76%	50°C	90°C	-30~+70°C	87400

rutec LED converter overview

			Art. No.	85960	85439	85440	85442
			Current mA	250 mA	350 mA	350 mA	350 mA
			Load in W min ... max	6.5 ... 12W	1W ... 2W	2W ... 4W	1W ... 8W
			IP Protection Class	IP 64	IP 65	IP 65	IP 65
			Catalogue page	372	371	371	370
			Important: The secondary side of the converter must be wired before starting the				
Type	**Catalogue page**	**Power Watts**	**Current mA**				
LED Downlight CALA 10W	18	10	250	1 Piece			
LED light point	37	1	350		1 ... 2 Piece	2 ... 4 Piece	1 ... 6 Piece
LED crystal light points 1 flame	33-35	1	350		1 ... 2 Piece	2 ... 4 Piece	1 ... 6 Piece
Melimar Minitube light point	32	1	350		1 ... 2 Piece	2 ... 4 Piece	1 ... 6 Piece
Recessed wall spotlights	56-57	1	350		1 ... 2 Piece	2 ... 4 Piece	1 ... 6 Piece
LED downlight V4A IP65	42	1	350		1 ... 2 Piece	2 ... 4 Piece	1 ... 6 Piece
LED light point 2 flames	34	2	350		1 Piece	1 ... 2 Piece	1 ... 4 Piece
Melimar light point	32	3.2	350			1 Piece	1 ... 2 Piece
Miriel, Indis, Earwen Deko COB	26-28	5	350				1 Piece
LED Downlight 6.2W	64	6.2	350				1 Piece
Power-LED Module 6.2W	124	6.2	350				1 Piece
R5788 COB IP44	38-39	6.5	350				1 Piece
LED Downlight, extendable	23	6.9	350				1 Piece
Idril Deko recessed spotlight COB	29	8	350				1 Piece
TALU Compact	8 – 12	8	350				1 Piece
TULKA 8W COB IP55	43	8	350				1 Piece
Rinca	22	8	350				1 Piece
TALU Power	13	10	350				
LED Downlight 10W	65	10	350				
Power-LED Module 10W	126	10	350				
CALINA IP54	40	13	350				
LED Downlight CALA 14W	19	14	350				
Melimar COB 3.7W	25	3.7	600				
MR-11 Power LED Module 5.2W	123	5.2	600				
Melimar 6W	24	6	600				
LED Downlight CALA 6W	17	6.1	600				
LED Downlight CALA 25W	20	25	600				
LARA greenhouse	52	3	700				
Melimar crystal light point	36	3	700				
Recessed furniture spotlight 4.2W	45	4.2	700				
Focusable COB	14	6.9	700				
Power-LED Module 13W	128	13	700				
LED Downlight CALA 41W	21	41	1000				

	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 ... 16W	9.1 ... 14.7W	1.8 ... 6.6W	21 ... 25.2W	3W	3 ... 6.6W	3 ... 6W	3 ... 18W	21 ... 36W	30 ... 48W
	IP20	IP 64	IP 64	IP 64	IP 65	IP 20	IP 67	IP 20	IP 64	IP 64
	374	372	375	376	371	370	370	374	372	377
converter up so that the lights are protected against excessive start-up current. (series wiring)										
	3 ... 6 Piece									
	3 ... 6 Piece									
	3 ... 6 Piece									
	3 ... 6 Piece									
	3 ... 6 Piece									
	2 ... 3 Piece									
	1 ... 5 Piece	3 ... 5 Piece								
	1 ... 3 Piece	1 ... 2 Piece								
	1 ... 2 Piece									
	1 ... 2 Piece									
	1 ... 2 Piece	1 ... 2 Piece								
	1 ... 2 Piece	1 ... 2 Piece								
	1 ... 2 Piece	1 Piece								
	1 ... 2 Piece	1 Piece								
	1 ... 2 Piece	1 Piece								
	1 ... 2 Piece	1 Piece								
	1 Piece	1 Piece								
	1 Piece	1 Piece								
	1 Piece	1 Piece								
	1 Piece	1 Piece								
	1 Piece	1 Piece								
			1 Piece	6 Piece						
			1 Piece							
			1 Piece	4 Piece						
			1 Piece	4 Piece						
				1 Piece						
					1 Piece	1 ... 2 Piece	1 ... 2 Piece	1 ... 6 Piece	7 ... 12 Piece	
					1 Piece	1 ... 2 Piece	1 ... 2 Piece	1 ... 6 Piece	7 ... 12 Piece	
						1 Piece	1 Piece	1 ... 4 Piece	5 ... 8 Piece	
								1 ... 2 Piece	3 ... 5 Piece	
								1 Piece	2 Piece	
										1 Piece

Dimmable
Phase cut, 1-10V

	Art. No.	**85965**	**85445**	**85446**
	Input	230V AC	230V AC	230V AC
	Output Current mA	240 mA (only for CALA-Serie)	350 mA	350 mA
	Load in W min ... max	5.8 ... 10W	6.2 ... 8W	8 ... 10.5W
	Type	Phase cut single-colour	Phase cut single-colour	Phase cut single-colour
	Catalogue page	378	378	378
	Important: The secondary side of the converter must be wired before starting the converter up			

Type	Page	Power Watt	Current mA			
LED Downlight CALA 10W	18	10	250	1 Piece		
LED light point	37	1	350			
LED crystal light points 1 flame	33-35	1	350			
Melimar Minitube light point	32	1	350			
Recessed wall spotlights	56-57	1	350			
LED downlight V4A IP65	42	1	350			
LED light point 2 flames	34	2	350			
Melimar light point	32	3.2	350		2 Piece	3 Piece
Miriel, Indis, Earwen Deko COB	26-28	5	350			2 Piece
LED Downlight 6.2W	64	6.2	350		1 Piece	
Power-LED Module 6.2W	124	6.2	350		1 Piece	
R5788 COB IP44	38-39	6.5	350		1 Piece	
LED Downlight, extendable	23	6.9	350		1 Piece	
TALU DimTo Warm	7	7	350		1 Piece	
Power-LED Modul Dim To Warm	125	7	350		1 Piece	
Idril Deko downlight COB	29	8	350		1 Piece	
TALU Compact	8 – 12	8	350		1 Piece	
TULKA 8W COB IP55	43	8	350		1 Piece	
Rinca	22	8	350		1 Piece	
TALU Power	13	10	350			1 Piece
LED downlight 10W	65	10	350			1 Piece
Power-LED Module 10W	126	10	350			1 Piece
CALINA	40	13	350			
CALINA Dim To Warm	41	13	350			
LED Downlight CALA 14W	19	14	350			
Melimar COB 3.7W	25	3.7	600			
MR-11 Power LED Module 5.2W	123	5.2	600			
Melimar 6W	24	6	600			
LED Downlight CALA 6W	17	6	600			
LED Downlight CALA 25W	20	25	600			
LARA greenhouse	52	3	700			
Melimar crystal light point	36	3	700			
Recessed furniture spotlight 4.2W	45	4.2	700			
Focusable COB	14	6.9	700			

	85975	80395	80475	85955	85985	85434
	230V AC	230V AC	24V DC	230V AC	230V AC	230V AC
	350 mA	350 mA	4x350 mA	600 mA	600 mA	700 mA
	10.5 ... 16.8W	1x15W	4x8.4W	6 ... 10.8W	18 ... 25.2W	6.6 ... 12.6W
	Phase cut single-colour	0/1-10V single-colour	0/1-10V single-colour	Phase cut single-colour	Phase cut single-colour	Phase cut single-colour
	379	439	440	378	379	378
so that the lights are protected against excessive start-up current. (series wiring)						
CAUTION: Observe maximum number per channel for each controller !!!						
		1 ... 6 Piece	4x 1 ... 6 Piece			
		1 ... 6 Piece	4x 1 ... 6 Piece			
		1 ... 6 Piece	4x 1 ... 6 Piece			
		1 ... 6 Piece	4x 1 ... 6 Piece			
		1 ... 6 Piece	4x 1 ... 6 Piece			
		1 ... 7 Piece	4x 1 ... 4 Piece			
	4 ... 5 Piece	1 ... 4 Piece	4x 1 ... 2 Piece			
	3 Piece	1 ... 3 Piece	4x 1 Piece			
		1 ... 2 Piece	4x 1 Piece			
		1 ... 2 Piece	4x 1 Piece			
	2 Piece	1 ... 2 Piece	4x 1 Piece			
	2 Piece	1 ... 2 Piece	4x 1 Piece			
	2 Piece					
	2 Piece					
	2 Piece	1 Piece	4x 1 Piece			
	2 Piece	1 Piece	4x 1 Piece			
	2 Piece	1 Piece	4x 1 Piece			
	2 Piece	1 Piece	4x 1 Piece			
		1 Piece				
		1 Piece				
		1 Piece				
	1 Piece	1 Piece				
	1 Piece					
	1 Piece	1 Piece				
				2 Piece		
				2 Piece	4 Piece	
				1 Piece	3 ... 4 Piece	
				1 Piece	3 ... 4 Piece	
					1 Piece	
						4 ... 5 Piece
						4 ... 5 Piece
						2 Piece
						1 Piece





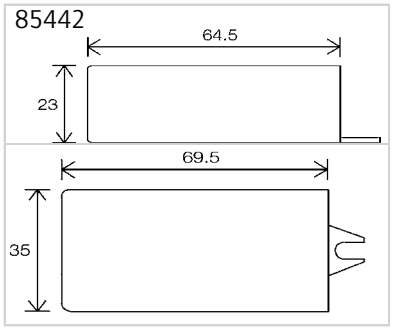
rutec LED constant current converters

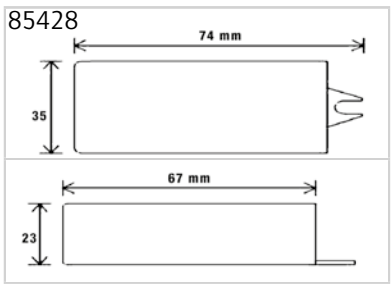
for indoor and outdoor use

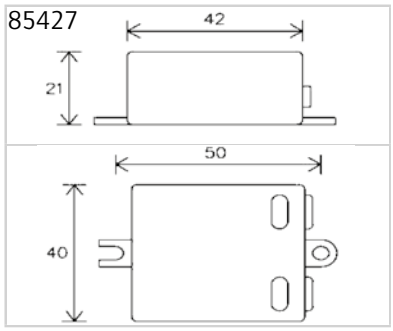
Art. 85442
- IP65
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overload and overcurrent
- Primary and secondary-sided 1 supply and feed line. **Note the minimum power.**

Art. 85428
- IP65
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overload and overcurrent
- Primary and secondary-sided 1 supply and feed line. **Note the minimum power.**

Art. 85427
- IP20
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overload and overcurrent
- Single-screw connection for supply and feed line. **Note the minimum power.**







ORDERING INFORMATION

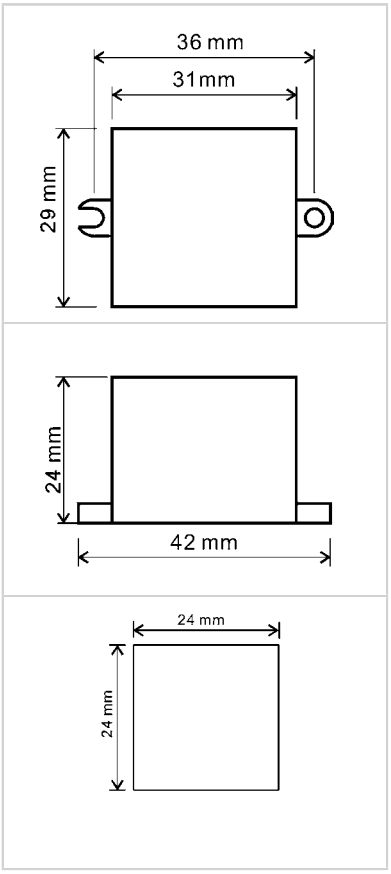
Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	Temperature range	Article no.
100~240V AC	350mA	3-36VDC	1-8	plastic	69.5 x 35 x 23	±5%	>0.45	72%	-10~+40°C	85442
100~240V AC	700mA	3-12VDC	3-6	plastic	74 x 35 x 23	±6%	>0.45	55%	-10~+40°C	85428
100~240V AC	700mA	3-12VDC	3-6	plastic	50 x 40 x 21	±6%	>0.5	75%	-10~+40°C	85427



rutec LED constant current converters

for indoor and outdoor use

- IP65
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overload and overcurrent
- Primary and secondary-sided 1 supply and feed line
- **Note the minimum power.**



series connection

ORDERING INFORMATION

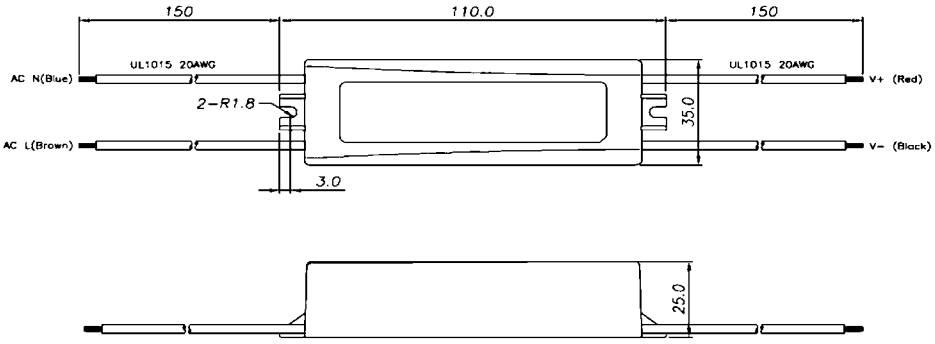
Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	Temperature range	Article no.
100~240V AC	350mA	3-8VDC	1-2	plastic	42 x 29 x 24	±6%	>0.45	64%	-10~+40°C	85439
100~240V AC	350mA	7-14VDC	2-4	plastic	42 x 29 x 24	±6%	>0.45	75%	-10~+40°C	85440
100~240V AC	700mA	3-5VDC	3	plastic	42 x 29 x 24	±6%	>0.45	59%	-10~+40°C	85441



rutec LED constant current converters

for indoor and outdoor use

- IP64
- Protection Class II, CE, RoHS, REACH (MM 85433)
- Protection against short-circuit, overload and overcurrent
- Primary and secondary-sided 1 supply and feed line



85433

ORDERING INFORMATION

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~240V AC	250mA	26-48VDC	6.5-12	plastic	110 x 35 x 25	±5%	>0.8	84%	60°C	90°C	-20~+50°C	85960
100~240V AC	350mA	26-42VDC	9.1-14.7	plastic	110 x 35 x 25	±5%	>0.8	84%	60°C	90°C	-20~+60°C	85970*
100~240V AC	700mA	30-48VDC	21-36	plastic	110 x 35 x 25	±10%	>0.45	85%	40°C	75°C	-20~+40°C	85433

*** not suitable for Module 6,2W (page 124)**



LED power supplies and converters

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 synchronous 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



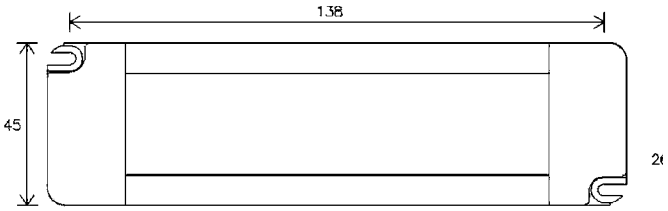
rutec LED constant current converters

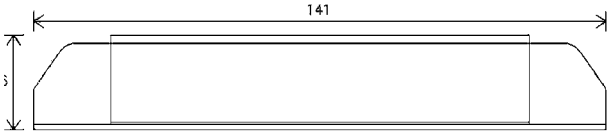
for indoor use

AKTIV PFC

- Built-in active power factor correction (active PFC)
- IP20
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overload and overcurrent
- Screw connections
- **Note the minimum power.**

TÜVRheinland ZERTIFIZIERT
Bauart geprüft
Sicherheit
Regelmäßige Produktions-überwachung
www.tuv.com
ID 2000000000





series connection RoHS REACH

ORDERING INFORMATION

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	Temperature range	Article no.
100~240V AC	350mA	10-54VDC	3-16	plastic	141 x 45 x 26	±6%	>0.95	80%	-10~+40°C	85443
100~240V AC	700mA	3-34VDC	3-18	plastic	141 x 45 x 26	±6%	>0.95	80%	-10~+40°C	85430

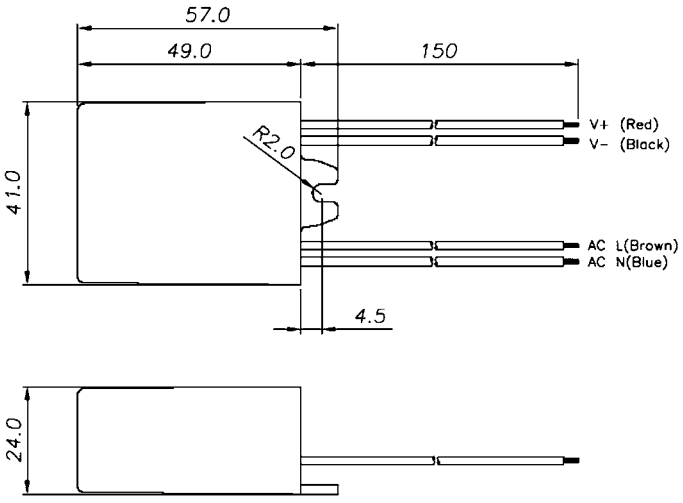


rutec LED constant current converters

for indoor and outdoor use

AKTIV PFC

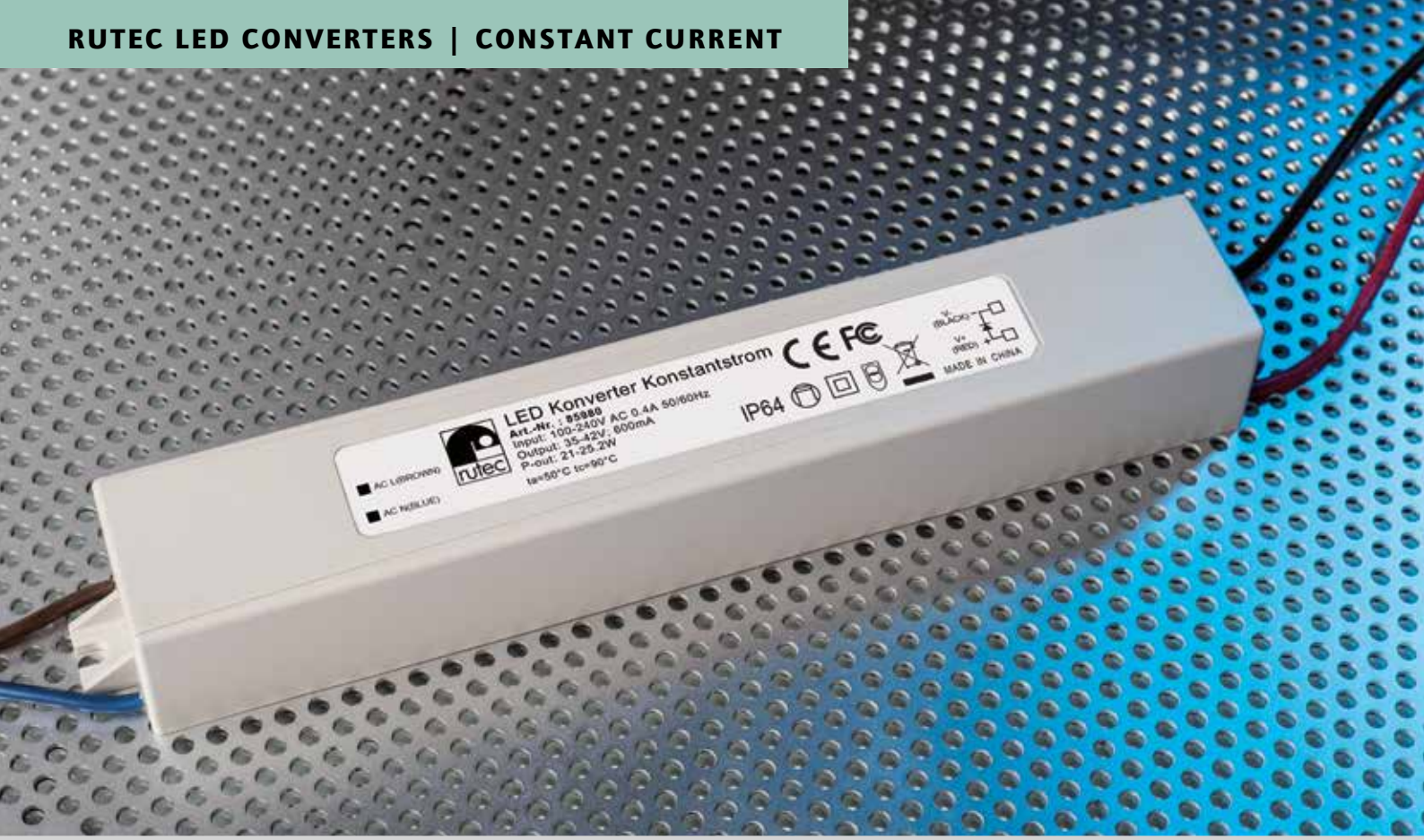
- Built-in active power factor correction (active PFC)
- IP64
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, current-stabilised
- Primary and secondary-sided 1 supply and feed line
- **Note the minimum power.**



series connection RoHS REACH

ORDERING INFORMATION

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
90~295V AC	600mA	3-11VDC	1.8-6.6	plastic	57 x 40.8 x 24	±5%	>0.45	75%	40°C	65°C	-20~+40°C	85950

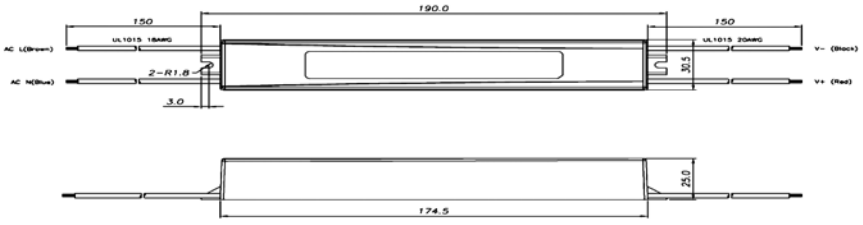


rutec LED constant current converters

for indoor and outdoor use

AKTIV PFC

- Built-in active power factor correction (active PFC)
- IP64
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overtemperature and overcurrent
- Primary and secondary-sided 1 supply and feed line
- **Note the minimum power.**



series connection RoHS REACH

ORDERING INFORMATION

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~240V AC	600mA	35-42VDC	21-25.2	plastic	174.5 x 30.5 x 25	±8%	>0.9	82%	50°C	90°C	-20~+50°C	85980

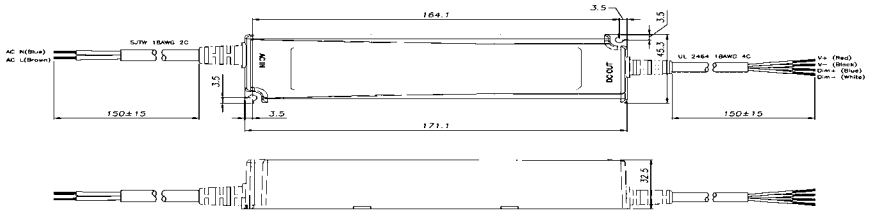


rutec LED constant current converters

for indoor and outdoor use

AKTIV PFC

- Built-in active power factor correction (active PFC)
- IP64
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit, overtemperature and overcurrent
- Primary and secondary-sided 1 supply and feed line
- **Note the minimum power.**



series connection

ORDERING INFORMATION

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
100~240V AC	1000mA	34-48VDC	34-48	plastic	163 x 45 x 33	±5%	>0.94	88%	50°C	70°C	-30~+50°C	85990

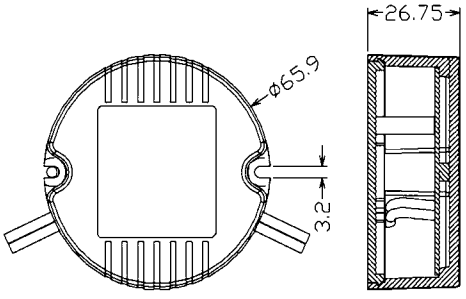


rutec LED constant current converters dimmable

for indoor use

AKTIV PFC

- Built-in active power factor correction (active PFC)
- IP64
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit and overload
- Primary and secondary-sided 1 supply and feed line
- **Dimmable with phase cut dimmers (Tronic dimmer) e.g. Berker 286710**
- **Note the minimum power.**



series connection RoHS REACH

ORDERING INFORMATION

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
230V AC	240mA	24-42VDC	5.8-10	plastic	66 x 27	±6%	>0.85	79%	40°C	70°C	-20~+50°C	85965
230V AC	350mA	18-23VDC	6.2-8	plastic	59 x 26.8	±6%	>0,85	79%	40°C	70°C	-20~+40°C	85445
230V AC	350mA	23-30VDC	8-10.5	plastic	66 x 27	±6%	>0.85	80%	40°C	70°C	-20~+50°C	85446
230V AC	600mA	10-18VDC	6-10.8	plastic	66 x 27	±6%	>0.85	79%	40°C	70°C	-20~+50°C	85955
230V AC	700mA	12-18VDC	6-12	plastic	66 x 27	±6%	>0.85	80%	50°C	65°C	-20~+50°C	85434

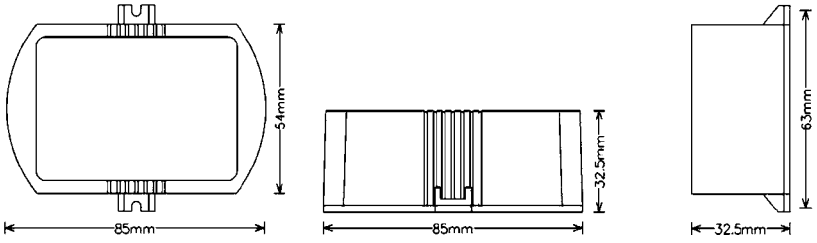


rutec LED constant current converters dimmable

for indoor use

AKTIV PFC

- Built-in active power factor correction (active PFC)
- IP64
- Protection Class II, CE, RoHS, REACH
- Protection against short-circuit and overload
- Primary and secondary-sided 1 supply and feed line
- **Dimmable with phase cut dimmers (Tronic dimmer) e.g. Berker 286710**
- **CAUTION 85975 - only for the CALA series**

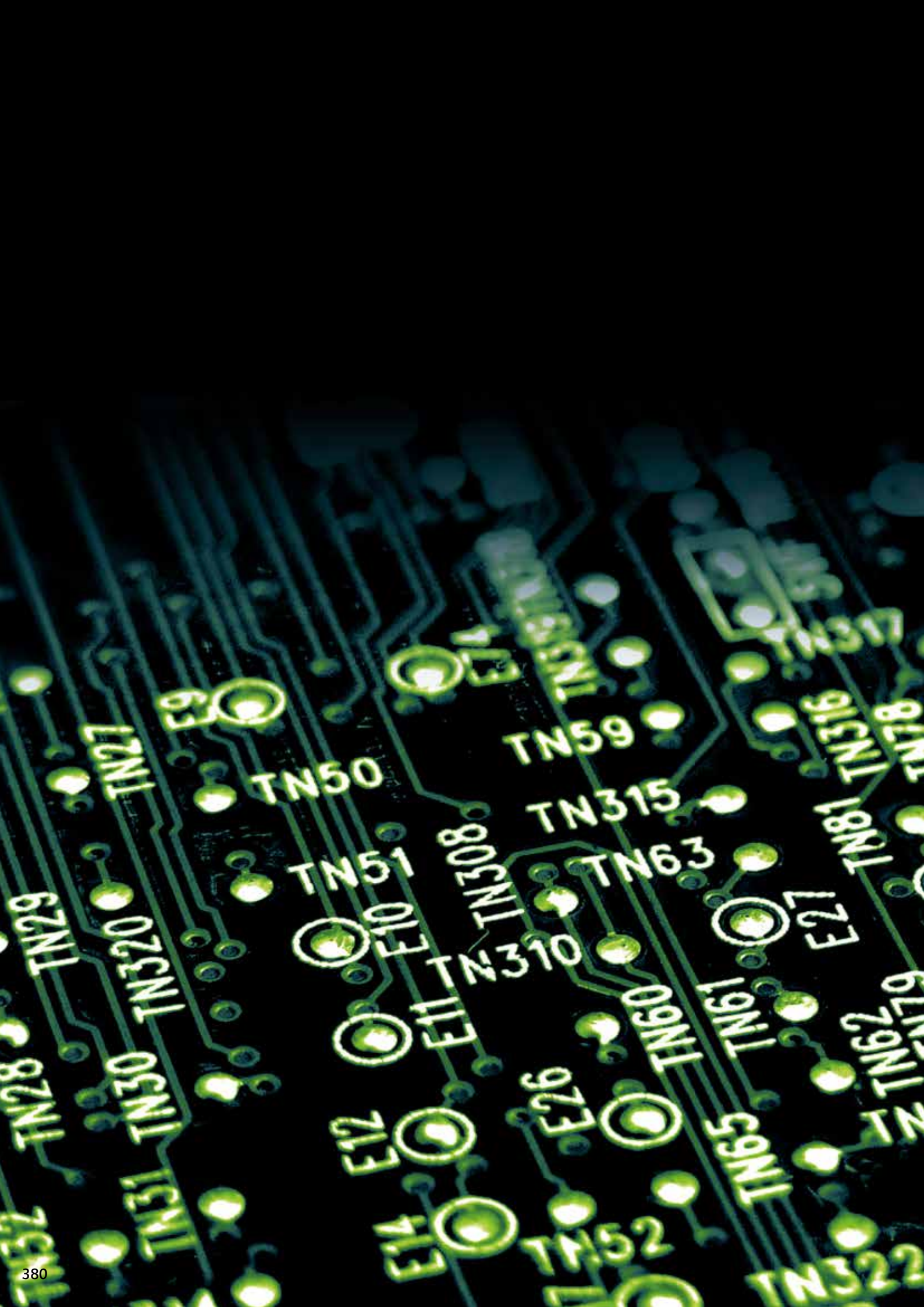


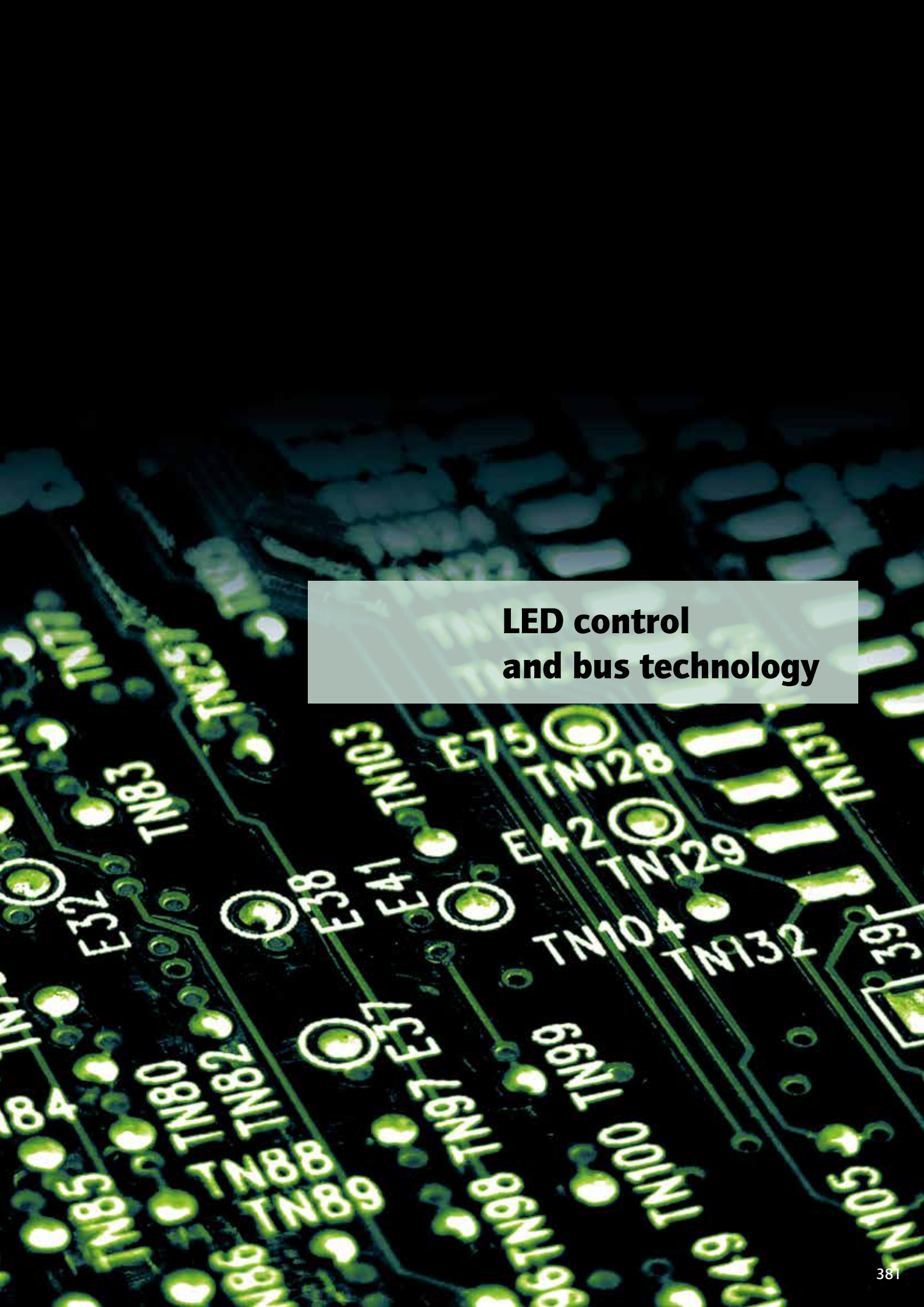
series connection RoHS REACH

ORDERING INFORMATION

Input AC	Output Current	Output Voltage	Power watts	Housing	Size (mm)	Tol.	PF	Efficiency	TA	TC	Temperature range	Article no.
230V AC	350mA	30-48VDC	10.5-16.8	plastic	85 x 54 x 32.5	±6%	>0.85	80%	40°C	70°C	-20~+70°C	85975*
230V AC	600mA	30-42VDC	18-25.2	plastic	85 x 54 x 32.5	±6%	>0.85	83%	40°C	70°C	-20~+70°C	85985

*** not suitable for Module 6,2W (page 124)**


TN50
TN59
TN315
TN63
TN51
TN310
TN308
TN60
TN61
TN65
TN62
TN52
TN317
TN316
TN318
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

	Art. No.	80494	89450 + 89451 / 89540	89452 89453	89454
	Input	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC
	Output	240W / 480W	144W / 288W	144W / 288W	96W / 192W
	Typ	Funk Set single colour	Master+Slave IP44 single colour (1x3 Channel) / Master single colour	Master+Slave single colour (3x1 Channel)	Master Select
	Page	414	394/395	400	401
Type LED Strips	Page	Volt	Power W/m	max. per connetion (one-side)				
single colour								
VARDAFLEX Neon Piko / Piko Top	238/240	24V	4.5	10m	106.6m	64m	64m	2x21.3m
VARDAFLEX / CRI95 / IP68 / Infrared	142/144/204/188	12V	4.8	10m	50m	30m	30m	2x10m
VARDAFLEX 24V / CRI95 24V / Nano IP66 / IP68	142/144/192/194	24V	4.8	10m	100m	60m	60m	2x20m
VARDAFLEX Side Mini (IP67) WW	230	12V	4.8	10m	50m	30m	30m	2x10m
VARDAFLEX Neon Mini / Mini Tube	248/250	24V	5	15m	96m	57.6m	57.6m	2x19.2m
VARDAFLEX Outdoor IP65	208	24V	6	15m	80m	48m	48m	2x16m
VARDAFLEX Neon Color R / Neon Tube Color R	258	24V	6.5	10m	73.8m	44.3m	44.3m	2x14.7m
VARDAFLEX Side Mini (IP67) W	230	12V	7.2	10m	33.3m	20m	20m	2x6.6m
VARDAFLEX Neon Amber / Top Amber	252/280	24V	7.2	10m	66.6m	40m	40m	2x13.3m
VARDAFLEX Plus / Mini / Plus IP68	146/176/206	12V	9.6	10m	25m	15m	15m	2x5m
VARDAFLEX Side Mini IP67 R/Y/B/G	230	12V	9.6	10m	25m	15m	15m	2x5m
VARDAFLEX Plus 24V / Plus IP67	146/202	24V	9.6	10m	50m	30m	30m	2x10m
VARDAFLEX Plus CRI90 / Plus Nano IP66	148 /194	24V	9.6	10m	50m	30m	30m	2x10m
VARDAFLEX Neon Color G/B / Tube Color G/B	258/274	24V	10.6	10m	45.2m	27.1m	27.1m	2x9m
VARDAFLEX Neon Top	280	24V	11	10m	43.6m	26.1m	26.1m	2x8.7m
VARDAFLEX Outdoor Plus IP65 / Opal Outdoor Plus	210/212	24V	12	10m	40m	24m	24m	2x8m
VARDAFLEX Neon/ Neon Tube / Neon SVQ	252/272/278	24V	12	10m	40m	24m	24m	2x8m
VARDAFLEX Neon Mikro / Mikro Top	242/244	24V	12.5	6m	38.4m	23m	23m	2x7.6m
VARDAFLEX Plus Profi	150	12V	14.4	10m	16.6m	10m	10m	2x3.3m
VARDAFLEX Double / CRI95	152/154	12V	19.2	8m	12.5m	7.5m	7.5m	2x2.5m
VARDAFLEX Para UV blacklight	190	12V	19.2	5m	12.5m	7.5m	7.5m	2x2.5m
VARDAFLEX Double / CRI95 24V / Double Nano IP66	152/154/196	24V	19.2	8m	25m	15m	15m	2x5m
VARDAFLEX Para / Asymmetrical / Side Mini Double	156/182/180	24V	19.2	5m	25m	15m	15m	2x5m
VARDAFLEX Ultra	158	12V	19.8	3m	12.1m	7.2m	7.2m	2x2.4m
VARDAFLEX Surround	184	24V	23.04	5m	20.8m	12.5m	12.5m	2x4.1m
VARDAFLEX Triple	160	12V	24.5	3m	9.7m	5.8m	5.8m	2x1.9m
VARDAFLEX Double Profi	162	12V	25	3m	9.6m	5.7m	5.7m	2x1.9m
VARDAFLEX Double Profi 24V	162	24V	25	3m	19.2m	11.5m	11.5m	2x3.8m
VARDAFLEX High Eco	164	12V	28.8	3m	8.3m	5m	5m	2x1.6m
VARDAFLEX High Performance	166	24V	44	2m	10.9m	6.5m	6.5m	2x2.1m
VARDAFLEX High End	166	24V	38.5	2m	12.4m	7.4m	7.4m	2x2.4m
multiple colour								
VARDAFLEX Outdoor RGB IP65	218	24V	6	15m				
VARDAFLEX RGB / RGB IP68	168/216	12V	7.2	10m				
VARDAFLEX RGB 24V	168	24V	7.2	10m				
VARDAFLEX RGBWW	172	24V	9.6	5m				
VARDAFLEX Select / Select IP68	186/232	12V	9.6	10m				10m
VARDAFLEX Neon Select IP68	256	24V	12	10m				16m
VARDAFLEX Outdoor Double RGB IP65	220	24V	12	10m				
VARDAFLEX Neon RGB / Tube RGB	260/276	24V	12	10m				
VARDAFLEX Neon Top RGB	284	24V	12	5m				
VARDAFLEX RGB Double / RGB Double IP68	168/216	12V	14.4	8m				
VARDAFLEX RGB Double 24V (IP68) / RGB Double Nano	216/198	24V	14.4	8m				
VARDAFLEX Neon RGBW	262	24V	15	5m				
VARDAFLEX RGBW (one Chip) / RGBW Nano IP66	170/200	24V	19.2	10m				
VARDAFLEX RGBW+Amber	174	24V	19.2	3m				
VARDAFLEX RGBW+WW/Amber	174	24V	28.8	3m				
VARDAFLEX Double RGB+W+WW/Amber	174	24V	33.6	3m				

Type Lighting fixtures	Page	Volt	Power Watt/h	max. per connetion (one-side)					
LARA round/LARA V4A IP55	52/53	12V	2.8	acc. ballast	85 Piece	51 Piece	51 Piece		
LARA square	48/51	12V	2.5	acc. ballast	96 Piece	57 Piece	57 Piece		
LARA square 2er	48/51	12V	5	acc. ballast	48 Piece	28 Piece	28 Piece		
LARA square 3er	48/51	12V	7.5	acc. ballast	32 Piece	19 Piece	19 Piece		

89460 + 89461 89560	89465 + 89466	80460	80495	89462 89463	89467 89468	80462	89150	80464	88510	80491
12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC
144W / 288W	144W / 288W	288W / 576W	240W / 480W	120W / 240W	240W	240W / 480W	96W / 192W	300W / 600W	100W / 200W	240W / 480W
Master+Slave RGB / Master RGB IP44	Master+Slave RGB Synchro	RF - Controller RGB with colour wheel	RF-Set RGBW	RF - Controller RGBW	Master+Slave RGBW Bus	RF - Controller RGBW with colour wheel	EnOcean RGB/RGBW	RF - Controller RGB+W+WW	IP68 – Repeater 1-3 colours	Repeater 1-4 colours
394/395	397	416	416	391	393	413	417	415	442	443
	64m		26.6m	13.3m	13.3m	26.6m	10.6m	2x26.6m	44.4m	106.6m
	30m		12.5m	6.2m		12.5m	5m	2x12.5m	20.8m	50m
	60m		25m	12.5m	12.5m	25m	10m	2x25m	41.6m	100m
	30m		12.5m	6.2m		12.5m	5m	2x12.5m	20.8m	50m
	57.6m		24m	12m	12m	24m	9.6m	2x24m	40m	96m
	48m		20m	10m	10m	20m	8m	2x20m	33.3m	80m
	44.3m		18.4m	9.2m	9.2m	18.4m	7.m	2x18.4m	30.7m	73.8m
	20m		8.3m	4.1m		8.3m	3.3m	2x8.3m	13.8m	33.3m
	40m		16.6m	8.3m	8.3m	16.6m	6.6m	2x16.6m	27.7m	66.6m
	15m		6.2m	3.1m		6.2m	2.5m	2x6.2m	10.4m	25m
	15m		6.2m	3.1m		6.2m	2.5m	2x6.2m	10.4m	25m
	30m		12.5m	6.2m	6.2m	12.5m	5m	2x12.5m	20.8m	50m
	30m		12.5m	6.2m	6.2m	12.5m	5m	2x12.5m	20.8m	50m
	27.1m		11.3m	5.6m	5.6m	11.3m	4.5m	2x11.3m	18.8m	45.2m
	26.1m		10.9m	5.4m	5.4m	10.9m	4.3m	2x10.9m	18.1m	43.6m
	24m		10m	5m	5m	10m	4m	2x10m	16.6m	40m
	24m		10m	5m	5m	10m	4m	2x10m	16.6m	40m
	23m		9.6m	4.8m	4.8m	9.6m	3.8m	2x9.6m	16m	38.4m
	10m		4.1m	2m		4.1m	1.6m	2x4.1m	6.9m	16.6m
	7.5m		3.1m	1.5m		3.1m	1.2m	2x3.1m	5.2m	12.5m
	7.5m		3.1m	1.5m		3.1m	1.2m	2x3.1m	5.2m	12.5m
	15m		6.2m	3.1m	3.1m	6.2m	2.5m	2x6.2m	10.4m	25m
	15m		6.2m	3.1m	3.1m	6.2m	2.5m	2x6.2m	10.4m	25m
	7.2m		3m	1.5m		3m	1.2m	2x3m	5m	12.1m
	12.5m		5.2m	2.6m	2.6m	5.2m	2m	2x5.2m	8.6m	20.8m
	5.8m		2.4m	1.2m		2.4m	0.9m	2x2.4m	4m	9.7m
	5.7m		2.4m	1.2m		2.4m	0.9m	2x2.4m	4m	9.6m
	11.5m		4.8m	2.4m	2.4m	4.8m	1.9m	2x4.8m	8m	19.2m
	5m		2m	1m		2m	0.8m	2x2m	3.4m	8.3m
	6.5m		2.7m	1.3m	1.3m	2.7m	1m	2x2.7m	4.5m	10.9m
	7.4m		3.1m	1.5m	1.5m	3.1m	1.2m	2x3.1m	5.1m	12.4m
48m	48m	96m	60m	30m	30m	60m	24m	60m	33.3m	60m
20m	20m	40m	25m	12.5m		25m	10m	25m	13.8m	25m
40m	40m	80m	50m	25m	25m	50m	20m	50m	27.7m	50m
			50m	25m	25m	50m	20m	50m		50m
								12.5m	6.9m	12.5m
								20m	11.1m	20m
24m	24m	48m	30m	15m	15m	30m	12m	30m	16.6m	30m
24m	24m	48m	30m	15m	15m	30m	12m	30m	16.6m	30m
24m	24m	48m	30m	15m	15m	30m	12m	30m	16.6m	30m
10m	10m	20m	12.5m	6.2m		12.5m	5m	12.5m	6.9m	12.5m
20m	20m	40m	25m	12.5m	12.5m	25m	10m	25m	13.8m	25m
			32m	16m	16m	32m	12.8m	32m		32m
			25m	12.5m	12.5m	25m	10m	25m		25m
								31.2m		
								20.8m		
								17.8m		

							8 Piece	2x 21 Piece	35 Piece	85 Piece
							9 Piece	2x 24 Piece	40 Piece	96 Piece
							4 Piece	2x 12 Piece	20 Piece	48 Piece
							3 Piece	2x 8 Piece	13 Piece	32 Piece

Dimmer and Controller
Constant voltage (wired)
KNX, DALI, DMX, Switch, 1-10V

	Art. No.	80120	80100 / 80140	80780	80710 / 80770
	Input	230V AC	12V / 24V DC	230V AC	12V / 24V DC
	Output	100W	240W / 480W	50W	240W / 480W
	Type	KNX actuator 1-4 colours	KNX actuator 1-4 colours	DALI Dimm-actuator 1 Channels	DALI Dimm-actuator 1x4 Channels
	Page	420	421	424	425
Type LED Strips	Page	Volt	Power W/m	max. per connetion (one-side)				
single colour								
VARDAFLEX Neon Piko / Piko Top	238/240	24V	4.5	10m	22.2m	106.6m	11.1m	106.6m
VARDAFLEX / CRI95 / IP68 / Infrared	142/144/204/188	12V	4.8	10m		50m		50m
VARDAFLEX 24V / CRI95 24V / Nano IP66 / IP68	142/144/192/194	24V	4.8	10m	20.8m	100m	10.4m	100m
VARDAFLEX Side Mini (IP67) WW	230	12V	4.8	10m		50m		50m
VARDAFLEX Neon Mini / Mini Tube	248/250	24V	5	15m	20m	96m	10m	96m
VARDAFLEX Outdoor IP65	208	24V	6	15m	16.6m	80m	8.3m	80m
VARDAFLEX Neon Color R / Neon Tube Color R	258	24V	6.5	10m	15.3m	73.8m	7.6m	73.8m
VARDAFLEX Side Mini (IP67) W	230	12V	7.2	10m		33.3m		33.3m
VARDAFLEX Neon Amber / Top Amber	252/280	24V	7.2	10m	13.8m	66.6m	6.9m	66.6m
VARDAFLEX Plus / Mini / Plus IP68	146/176/206	12V	9.6	10m		25m		25m
VARDAFLEX Side Mini IP67 R/Y/B/G	230	12V	9.6	10m		25m		25m
VARDAFLEX Plus 24V / Plus IP67	146/202	24V	9.6	10m	10.4m	50m	5.2m	50m
VARDAFLEX Plus CRI90 / Plus Nano IP66	148 /194	24V	9.6	10m	10.4m	50m	5.2m	50m
VARDAFLEX Neon Color G/B / Tube Color G/B	258/274	24V	10.6	10m	9.4m	45.2m	4.7m	45.2m
VARDAFLEX Neon Top	280	24V	11	10m	9m	43.6m	4.5m	43.6m
VARDAFLEX Outdoor Plus IP65 / Opal Outdoor Plus	210/212	24V	12	10m	8.3m	40m	4.1m	40m
VARDAFLEX Neon/ Neon Tube / Neon SVQ	252/272/278	24V	12	10m	8.3m	40m	4.1m	40m
VARDAFLEX Neon Mikro / Mikro Top	242/244	24V	12.5	6m	8m	38.4m	4m	38.4m
VARDAFLEX Plus Profi	150	12V	14.4	10m		16.6m		16.6m
VARDAFLEX Double / CRI95	152/154	12V	19.2	8m		12.5m		12.5m
VARDAFLEX Para UV blacklight	190	12V	19.2	5m		12.5m		12.5m
VARDAFLEX Double / CRI95 24V / Double Nano IP66	152/154/196	24V	19.2	8m	5.2m	25m	2.6m	25m
VARDAFLEX Para / Asymmetrical / Side Mini Double	156/182/180	24V	19.2	5m	5.2m	25m	2.6m	25m
VARDAFLEX Ultra	158	12V	19.8	3m		12.1m		12.1m
VARDAFLEX Surround	184	24V	23.04	5m	4.3m	20.8m	2.1m	20.8m
VARDAFLEX Triple	160	12V	24.5	3m		9.7m		9.7m
VARDAFLEX Double Profi	162	12V	25	3m		9.6m		9.6m
VARDAFLEX Double Profi 24V	162	24V	25	3m	4m	19.2m	2m	19.2m
VARDAFLEX High Eco	164	12V	28.8	3m		8.3m		8.3m
VARDAFLEX High Performance	166	24V	44	2m	2.2m	10.9m	1.1m	10.9m
VARDAFLEX High End	166	24V	38.5	2m	2.5m	12.4m	1.2m	12.4m
multiple colour								
VARDAFLEX Outdoor RGB IP65	218	24V	6	15m	12.5m	60m		
VARDAFLEX RGB / RGB IP68	168/216	12V	7.2	10m		25m		
VARDAFLEX RGB 24V	168	24V	7.2	10m	10.4m	50m		
VARDAFLEX RGBWW	172	24V	9.6	5m		50m		
VARDAFLEX Select / Select IP68	186/232	12V	9.6	10m		12.5m		
VARDAFLEX Neon Select IP68	256	24V	12	10m	8.3m	20m		
VARDAFLEX Outdoor Double RGB IP65	220	24V	12	10m	6.2m	30m		
VARDAFLEX Neon RGB / Tube RGB	260/276	24V	12	10m	6.2m	30m		
VARDAFLEX Neon Top RGB	284	24V	12	5m	6.2m	30m		
VARDAFLEX RGB Double / RGB Double IP68	168/216	12V	14.4	8m		12.5m		
VARDAFLEX RGB Double 24V (IP68) / RGB Double Nano	216/198	24V	14.4	8m	5.2m	25m		
VARDAFLEX Neon RGBW	262	24V	15	5m	6.6m	32m		
VARDAFLEX RGBW (one Chip) / RGBW Nano IP66	170/200	24V	19.2	10m	5.2m	25m		
VARDAFLEX RGBW+Amber	174	24V	19.2	3m				
VARDAFLEX RGBW+WW/Amber	174	24V	28.8	3m				
VARDAFLEX Double RGB+W+WW/Amber	174	24V	33.6	3m				

Type Lighting fixtures	Page	Volt	Power Watt/h	max. per connetion (one-side)				
LARA round/LARA V4A IP55	47/53	12V	2.8	acc. ballast		85 Piece		85 Piece
LARA square	48/50	12V	2.5	acc. ballast		96 Piece		96 Piece
LARA square 2er	48/50	12V	5	acc. ballast		48 Piece		48 Piece
LARA square 3er	48/50	12V	7.5	acc. ballast		32 Piece		32 Piece

	80715 / 80775	80720	80200 / 80270	80205	80220	80206	80474	89502	88510	80491
	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC	12V / 24V DC
	240W / 480W	240W / 480W	240W / 480W	384W / 768W	240W / 480W	300W / 600W	96W / 192W	36W / 72W	100W / 200W	240W / 480W
	DALI actuator 1-4 Channels	DALI actuator 1-4 Channels	DMX actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-4 colours	DMX actuator 1-5 colours	pushbutton / 1-10V (potentiometer)	Touchdimmer (for profiles)	IP68 – Repeater 1-3 colours	Repeater 1-4 colours
	426	427	429	431	431	432	441	444	442	443
	106.6m	106.6m	106.6m	170.6m	106.6m	133.3m	42.6m	16m	44.4m	106.6m
	50m	50m	50m	80m	50m	62.5m	20m	7.5m	20.8m	50m
	100m	100m	100m	160m	100m	125m	40m	15m	41.6m	100m
	50m	50m	50m	80m	50m	62.5m	20m	7.5m	20.8m	50m
	96m	96m	96m	153.6m	96m	120m	38.4m	14.4m	40m	96m
	80m	80m	80m	128m	80m	100m	32m	12m	33.3m	80m
	73.8m	73.8m	73.8m	118.1m	73.8m	92.3m	29.5m	11m	30.7m	73.8m
	33.3m	33.3m	33.3m	53.3m	33.3m	41.6m	13.3m	5m	13.8m	33.3m
	66.6m	66.6m	66.6m	106.6m	66.6m	83.3m	26.6m	10m	27.7m	66.6m
	25m	25m	25m	40m	25m	31.2m	10m	3.7m	10.4m	25m
	25m	25m	25m	40m	25m	31.2m	10m	3.7m	10.4m	25m
	50m	50m	50m	80m	50m	62.5m	20m	7.5m	20.8m	50m
	50m	50m	50m	80m	50m	62.5m	20m	7.5m	20.8m	50m
	45.2m	45.2m	45.2m	72.4m	45.2m	56.6m	18.1m	6.7m	18.8m	45.2m
	43.6m	43.6m	43.6m	69.8m	43.6m	54.5m	17.4m	6.5m	18.1m	43.6m
	40m	40m	40m	64m	40m	50m	16m	6m	16.6m	40m
	40m	40m	40m	64m	40m	50m	16m	6m	16.6m	40m
	38.4m	38.4m	38.4m	61.4m	38.4m	48m	15.3m	5.7m	16m	38.4m
	16.6m	16.6m	16.6m	26.6m	16.6m	20.8m	6.6m	2.5m	6.9m	16.6m
	12.5m	12.5m	12.5m	20m	12.5m	15.6m	5m	1.8m	5.2m	12.5m
	12.5m	12.5m	12.5m	20m	12.5m	15.6m	5m	1.8m	5.2m	12.5m
	25m	25m	25m	40m	25m	31.2m	10m	3.7m	10.4m	25m
	25m	25m	25m	40m	25m	31.2m	10m	3.7m	10.4m	25m
	12.1m	12.1m	12.1m	19.3m	12.1m	15.1m	4.8m	1.8m	5m	12.1m
	20.8m	20.8m	20.8m	33.3m	20.8m	26m	8.3m	3.1m	8.6m	20.8m
	9.7m	9.7m	9.7m	15.6m	9.7m	12.2m	3.9m	1.4m	4m	9.7m
	9.6m	9.6m	9.6m	15.3m	9.6m	12m	3.8m	1.4m	4m	9.6m
	19.2m	19.2m	19.2m	30.7m	19.2m	24m	7.6m	2.8m	8m	19.2m
	8.3m	8.3m	8.3m	13.3m	8.3m	10.4m	3.3m	1.2m	3.4m	8.3m
	10.9m	10.9m	10.9m	17.4m	10.9m	13.6m	4.3m	1.6m	4.5m	10.9m
	12.4m	12.4m	12.4m	19.9m	12.4m	15.5m	4.9m	1.8m	5.1m	12.4m
	60m	60m	60m	96m	60m	60m			33.3m	60m
	25m	25m	25m	40m	25m	25m			13.8m	25m
	50m	50m	50m	80m	50m	50m			27.7m	50m
	50m	50m	50m	80m	50m	50m				50m
	12.5m	12.5m	12.5m	20m	12.5m	12.5m			6.9m	12.5m
	20m	20m	20m	32m	20m	20m			11.1m	20m
	30m	30m	30m	48m	30m	30m			16.6m	30m
	30m	30m	30m	48m	30m	30m			16.6m	30m
	30m	30m	30m	48m	30m	30m			16.6m	30m
	12.5m	12.5m	12.5m	20m	12.5m	12.5m			6.9m	12.5m
	25m	25m	25m	40m	25m	25m			13.8m	25m
	32m	32m	32m	51.2m	32m	32m				32m
	25m	25m	25m	40m	25m	25m				25m
						31.2m				
						20.8m				
						17.8m				

	85 Piece	85 Piece	85 Piece	137 Piece	85 Piece	107 Piece	34 Piece	12 Piece	35 Piece	85 Piece
	96 Piece	96 Piece	96 Piece	153 Piece	96 Piece	120 Piece	38 Piece	14 Piece	40 Piece	96 Piece
	48 Piece	48 Piece	48 Piece	76 Piece	48 Piece	60 Piece	19 Piece	7 Piece	20 Piece	48 Piece
	32 Piece	32 Piece	32 Piece	51 Piece	32 Piece	40 Piece	12 Piece	4 Piece	13 Piece	32 Piece

Dimmer and controller constant current RF, KNX, DALI, DMX, 1-10V

			Art. Nr.	89430+89431	89432+89433	89440+89441	89445+89446	
			Input	24V DC	24V DC	24V DC	24V DC	
			Current mA	350 mA	700 mA	350 mA	350 mA	
			Load in W min ... max	3x 1-7W	3x 1-15W	3x 1-7W	3x 1-7W	
			Type	RF - Controller single colour	RF - Controller single colour	RF - Controller RGB	RF - Controller Syncro RGB	
			Catalogue page	392	392	392	396	
			Important: The secondary side of the converter must be wired before starting the converter up					
Type	Page	Power Watt	Current mA					
LED Downlight CALA 10W	18	10	250					
LED light point	37	1	350	18/Device.; 6/Ch.		18/Device.; 6/Ch.	18/Device.; 6/Ch.	
LED christal light point 1 flame	33-35	1	350	18/Device.; 6/Ch.		18/Device.; 6/Ch.	18/Device.; 6/Ch.	
Melimar Minitube light point	32	1	350	18/Device.; 6/Ch.		18/Device.; 6/Ch.	18/Device.; 6/Ch.	
Recessed wall spotlights	56-57	1	350	18/Device.; 6/Ch.		18/Device.; 6/Ch.	18/Device.; 6/Ch.	
LED Downlight V4A IP65	42	1	350	18/Device.; 6/Ch.		18/Device.; 6/Ch.	18/Device.; 6/Ch.	
LED light point, 2 flames	34	2	350	9/Device.; 3/Ch.		9/Device.; 3/Ch.	9/Device.; 3/Ch.	
LED christal light point RGB	36	3	350			7 Piece	7 Piece	
RGB LED Spot Trio-Color	127	3	350			7 Piece	7 Piece	
Melimar light point	32	3.2	350	6/Device.; 2/Ch.		6/Device.; 2/Ch.	6/Device.; 2/Ch.	
Miriel, Indis, Earwen Deko COB	26-28	5	350	3/Device.; 1/Ch.		3/Device.; 1/Ch.	3/Device.; 1/Ch.	
LED Downlight 6,2W	64	6.2	350	3/Device.; 1/Ch.		3/Device.; 1/Ch.	3/Device.; 1/Ch.	
Power-LED Modul 6,2W	124	6.2	350	3/Device.; 1/Ch.		3/Device.; 1/Ch.	3/Device.; 1/Ch.	
R5788 COB IP44	38-39	6.5	350	3/Device.; 1/Ch.		3/Device.; 1/Ch.	3/Device.; 1/Ch.	
LED Downlight, extendable	23	6.9	350	3/Device.; 1/Ch.		3/Device.; 1/Ch.	3/Device.; 1/Ch.	
Idril Deko Downlight COB	29	8	350					
TALU Compact	8 – 12	8	350					
TULKA 8W COB IP55	43	8	350					
Rinca	22	8	350					
TALU Power	13	10	350					
LED Downlight 10W	65	10	350					
Power-LED Module 10W	126	10	350					
CALINA	40	13	350					
LED Downlight CALA 14W	19	14	350					
QILE RGBWW LED Downlight	30	23.55	350					
Power-LED Module 18W	129	18	500					
Melimar COB 3,7W	25	3.7	600					
MR-11 Power LED Module 5,2W	123	5.2	600					
Melimar 6W	24	6	600					
LED Downlight CALA 6W	17	6	600					
LED Downlight CALA 25W	20	25	600					
LARA greenhouse	52	3	700		15/Device.; 5/Ch.			
Melimar Kristall light point	36	3	700		15/Device.; 5/Ch.			
Recessed wall spotlights 4,2W	45	4.2	700		9/Device.; 3/Ch.			
Focussable COB	14	6.9	700		6/Device.; 2/Ch.			
LED Downlight CALA 41W	21	41	1000					

	89435	80110	80790	80795	80799	80730	80290
	24V DC	24V DC	230V AC	230V AC	230V AC	24V DC	24V DC
	350 mA/700 mA	350 mA	250mA/350mA/ 500mA/600mA/ 700mA/1000mA	350 mA	350 mA	350 mA	350 mA
	4x 8W (350mA) / 4x 16W (700mA)	4x 8,4W	1x max. 48W (acc. output current)	1x 15W	1x 8W	4x 8,4W	4x 8,4W
	RF - Controller / 1-10V/switch	KNX 1-4 colours	DALI Dim-actuator AC	DALI Dim-actuator AC	DALI Dim-actuator AC	DALI 1-4 colours	DMX 1-4 colours
	403	419	422	422	422	423	428
so that the lights are protected against excessive start-up current. (series wiring)							
			1 Piece				
	24/Device.; 6/Ch.	24/Device.; 6/Ch.	6 Piece	6 Piece	6 Piece	24/Device.; 6/Ch.	24/Device.; 6/Ch.
	24/Device.; 6/Ch.	24/Device.; 6/Ch.	6 Piece	6 Piece	6 Piece	24/Device.; 6/Ch.	24/Device.; 6/Ch.
	24/Device.; 6/Ch.	24/Device.; 6/Ch.	6 Piece	6 Piece	6 Piece	24/Device.; 6/Ch.	24/Device.; 6/Ch.
	24/Device.; 6/Ch.	24/Device.; 6/Ch.	6 Piece	6 Piece	6 Piece	24/Device.; 6/Ch.	24/Device.; 6/Ch.
	24/Device.; 6/Ch.	24/Device.; 6/Ch.	6 Piece	6 Piece	6 Piece	24/Device.; 6/Ch.	24/Device.; 6/Ch.
	12/Device.; 3/Ch.	12/Device.; 3/Ch.	3 Piece	3 Piece	3 Piece	12/Device.; 3/Ch.	12/Device.; 3/Ch.
		8 Piece				8 Piece	8 Piece
		8 Piece				8 Piece	8 Piece
	8/Device.; 2/Ch.	8/Device.; 2/Ch.	5 Piece	4 Piece	2 Piece	8/Device.; 2/Ch.	8/Device.; 2/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	3 Piece	3 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	2 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	2 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	2 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	2 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	1 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	1 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	1 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
	4/Device.; 1/Ch.	4/Device.; 1/Ch.	2 Piece	1 Piece	1 Piece	4/Device.; 1/Ch.	4/Device.; 1/Ch.
			1 Piece	1 Piece			
			1 Piece	1 Piece			
			1 Piece	1 Piece			
			1 Piece	1 Piece			
			1 Piece	1 Piece			
		1 Piece				1 Piece	1 Piece
			1 Piece				
			7 Piece				
			5 Piece				
			4 Piece				
			4 Piece				
			1 Piece				
	20/Device.; 5/Ch.		11 Piece				
	20/Device.; 5/Ch.		11 Piece				
	12/Device.; 3/Ch.		8 Piece				
	8/Device.; 2/Ch.		4 Piece				
			1 Piece				



Everything from one control unit!

Our remote control system enables control of all light installations with one control unit - indoors and outdoors



Dimming of single colour LEDs, floure-scent tubes or 230V installations e.g. filament lamps (also outdoors), colour control of multi-coloured LEDs (RGB or RGBW) - all possible in one RF-system with only one remote control.
And also for the transmitter you have the choice: control through smart phone or tablet, Hand-remote control, table-trans-mitter or wall switch transmitter, control by daylight or time control per motion sensor.

All articels you find on pages 390-412



One for all RF-system



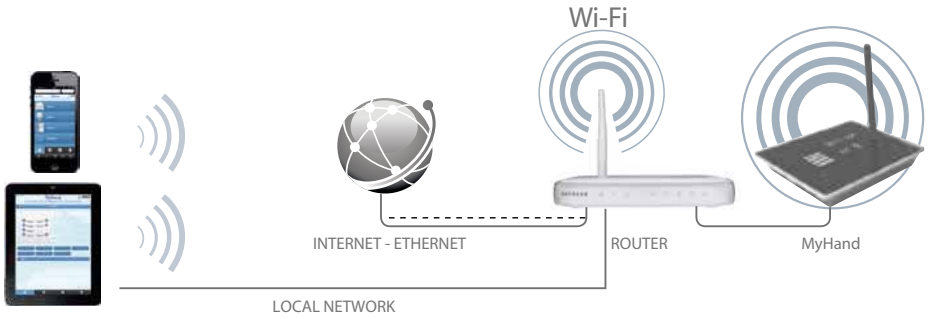


MY HAND remote control

The interface which communicates with the house via Wi-Fi

MY-HAND is an interface which allows you to connect in Wi-Fi mode using a route or via remote control. You can use any type of browser-capable device such as a PC, notebook, tablet PC and smartphone to control a wide range of devices (e.g. lights, air conditioning, sunshades, garage, window shutters etc.) in the house. Additional remote-control receivers are required - see pages 391-412.

- 12 V DC power supply
- Inputs: USB / Ethernet
- Outputs: bidirectional radio
- Range: 150 metres outdoors
- **Made in EU**



REQUIRED ACCESSORIES

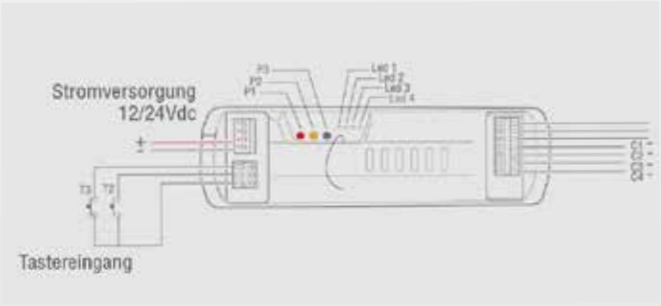
LED power supplies see overview page 356 	RF receivers (page 391 to 405) 	PC, smartphone or tablet (browser suitable device)

ORDERING INFORMATION

Type	Size (mm)	Colour	Surrounding temperature ta	Article no.
MY HAND	127 x 127 x 25	black	-10~+55° C	89500



One for all RF-system



LED RF receivers

Constant voltage 12/24V DC - RGBW

RGBW

- IP20
- 12/24V DC RF receiver with dimmer function.
- for indoor use
- 4 Independent 30 or 60W RGBW outputs for connecting LED strips.
- Additional input for 2 manual pushbuttons (T2 „colour selection", T3 „on/off dimmer function").
- Maximum power power per output: 30W (x4 outputs) at 12V DC and 60W (x4 outputs) at 24V DC
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm^2
- **Pro master max. 4 slave receivers**
- **Master and slave must be connected by cable, max. 7 meters.**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**

CE Parallel RoHS REACH

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND RF
transmitter
page 390



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
RGBW Master	12-24 V	12-24V	12V (30W x 4), 24V (60W x 4)	165 x 47 x 35	-20~+50° C	89462
RGBW Slave	12-24 V	12-24V	12V (30W x 4), 24V (60W x 4)	165 x 47 x 35	-20~+50° C	89463

REMOTE CONTROL AND POTENTIAL-FREE PUSHBUTTON POSSIBLE



One for all RF-system

LED RF receiver

LED RF receiver constant current 350/700 mA, 24V DC power supply required

- IP20
- RF receiver with dimmer function (down to 25% brightness) for the control of single-colour and and RGB power LEDs 350 or 700 mA
- RGB version: 8 preset colours, more than 1000 colours can be set; colour changes possible at any time; automatic colour change cycle (adjustable); every colour can be dimmed; 3 scenes can be called up at any time
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm^2
- **Pro master max. 4 slave receivers**
- **Master and slave must be connected by cable. A 15 cm cable is included in delivery for slave devices.**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**

series connection

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



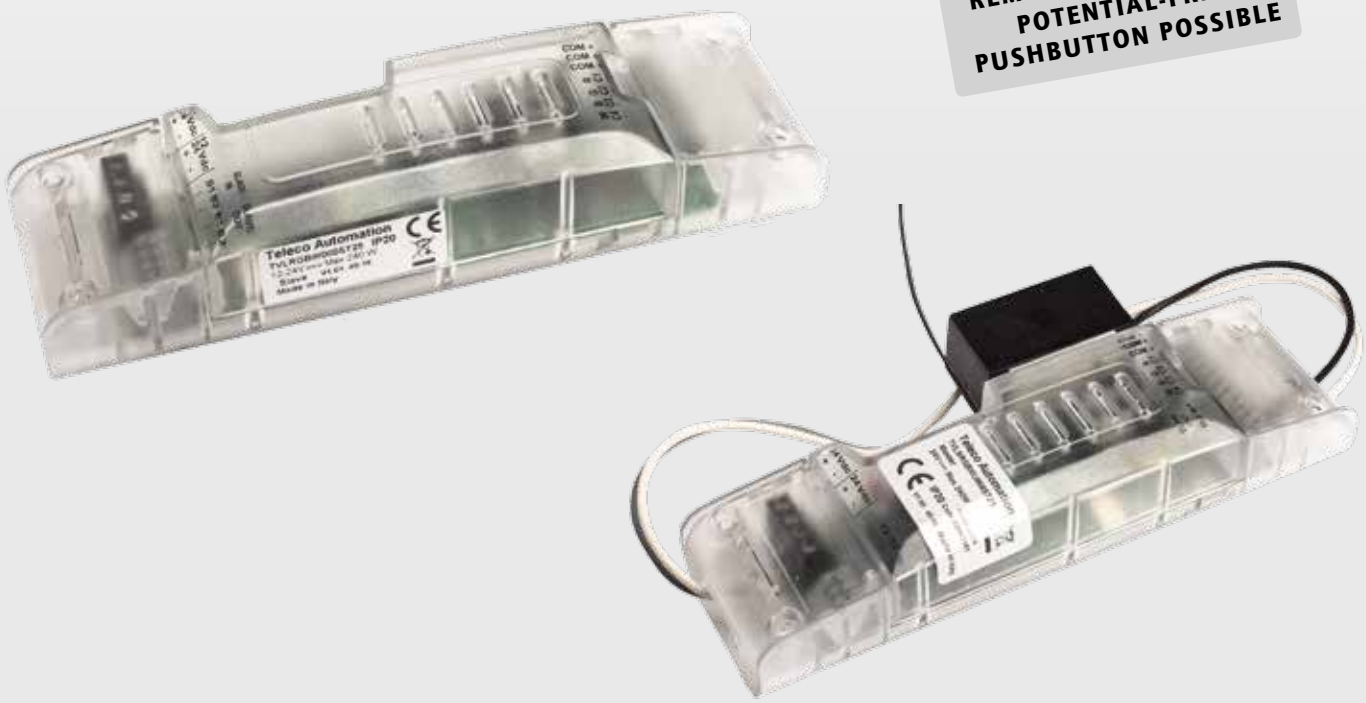
OPTIONAL ACCESSORIES

MY HAND RF transmitter
page 390



ORDERING INFORMATION

Type	Input DC	Output mA	Power watts/ channel	Size (mm)	Surrounding temperature ta	Article no.
Master 350mA	24 V	350	1 - 7 W x 3	165 x 47 x 35	-20~+50° C	89430
Slave 350mA	24 V	350	1 - 7 W x 3	165 x 47 x 35	-20~+50° C	89431
Master 700mA	24 V	700	1 - 15 W x 3	165 x 47 x 35	-20~+50° C	89432
Slave 700mA	24 V	700	1 - 15 W x 3	165 x 47 x 35	-20~+50° C	89433
Master RGB 350mA	24 V	350	1 - 7 W x 3	165 x 47 x 35	-20~+50° C	89440
Slave RGB 350mA	24 V	350	1 - 7 W x 3	165 x 47 x 35	-20~+50° C	89441
Master RGB 350mA+DMX	24 V	350	1 - 7 W x 3	165 x 47 x 35	-20~+50° C	89449
DALI/DMX interface	12-24V	DMX/DALI	-	165 x 47 x 35	-20~+50° C	89000



LED RF receivers for Bus connection

NEW

Constant voltage Constant voltage 24V DC RGBW

- IP20
- 24V DC RF receiver with Dimmer-Function
- for indoor use
- 4 independent 60W RGBW outputs for connection of LED Strips.
- Additional input for 2 manual pushbuttons (T2 „colour selection", T3 „On-Off-Dimmfunction").
- Maximum power per output: 60W (x4 outputs) 24V
- Receiver frequenz: 868,3 MHz
- Maximum cable cross-section at push-button input and output: 1,5 mm^2
- Per Master max. 4 slave receiver
- Master and slave must be connected by Bus-wire, max. 40 metres.
- **Remote control required (from page 408)**
- Push-button control possible
- Made in EU

CE Parallel RoHS REACH

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND RF transmitter
page 390



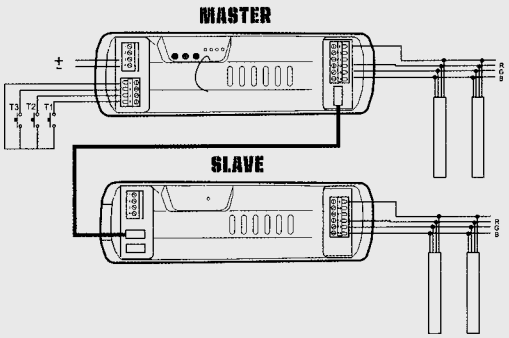
ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Maximum load Last per output	Size (mm)	Surrounding temperature ta	Article no.
Master RGBW	24	24	60W x 4 outputs = 240W total	2,5A (60W) Parallel connection	165x47x40	-20~+50° C	89467
Slave RGBW	24	24	60W x 4 outputs = 240W total	2,5A (60W) Parallel connection	165x47x40	-20~+50° C	89468

One for all RF-system

REMOTE CONTROL AND POTENTIAL-FREE PUSHBUTTON POSSIBLE





rutec LED 12V and 24V DC power supplies for indoor and outdoor use, LED, RF receiver constant voltage 12 V-24 V

- IP20
- RF receiver with dimmer (down to 25% brightness) and control function for the control of single-colour and RGB LEDs with common anode.
- for indoor use
- RGB version: 8 preset colours, more than 1000 colours can be set; colour changes possible at any time; automatic colour change cycle (adjustable); every colour can be dimmed; 3 scenes can be called up at any time
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm^2
- **Pro master max. 4 slave receivers**
- **Master and slave must be connected by cable. (A 15 cm cable is included in delivery for slave devices)**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**

Parallel RoHS REACH

REQUIRED ACCESSORIES

LED power supplies see overview page 356



RF transmitter (pages 408 to 411) or standard commercial pushbutton



OPTIONAL ACCESSORIES

MY HAND RF transmitter page 390



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Master single-colour	12-24 V	12-24 V	12V (144W), 24V (288W)	165x47x35	-20~+50° C	89450
Slave single-colour	12-24 V	12-24 V	12V (144W), 24V (288W)	165x47x35	-20~+50° C	89451
Master RGB	12-24 V	12-24 V	12V (144W), 24V (288W)	165x47x35	-20~+50° C	89460
Slave RGB	12-24 V	12-24 V	12V (144W), 24V (288W)	165x47x35	-20~+50° C	89461
Master RGB DMX	12-24 V	12-24 V	12V (144W), 24V (288W)	165x47x35	-20~+50° C	89469
DALI/DMX interface	12-24 V	DMX/DALI	-	165x47x35	-20~+50° C	89000



rutec LED 12V and 24V DC power supplies for indoor and outdoor use, LED, RF receiver constant voltage 12 V-24 V

- IP44
- RF receiver with dimmer (down to 25% brightness) and control function for the control of single-colour and RGB LEDs with common anode.
- for in- and outdoor use
- RGB version: 8 preset colours, more than 1000 colours can be set; colour changes possible at any time; automatic colour change cycle (adjustable); every colour can be dimmed; 3 scenes can be called up at any time
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm^2
- **Pro master max. 4 slave receivers**
- **Master and slave must be connected by cable. (A 15 cm cable is included in delivery for slave devices)**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**

CE Parallel RoHS REACH IP44

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND RF transmitter
page 390



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Master single-colour IP44	12-24 V	12-24 V	12V (144W), 24V (288W)	342 x 30 x 20	-20~+50° C	89540
Master RGB IP44	12-24 V	12-24 V	12V (144W), 24V (288W)	342 x 30 x 20	-20~+50° C	89560

REMOTE CONTROL AND POTENTIAL-FREE PUSHBUTTON POSSIBLE



One for all RF-system

LED Syncro RF receiver

LED Syncro RF receiver constant current 350

- IP20
- RF receiver with dimmer function (down to 25% brightness) for control of single-colour and RGB power LEDs 350 mA
- RGB version: 8 preset colours, more than 1000 colours can be set; colour changes possible at any time; automatic colour change cycle (adjustable); every colour can be dimmed; 3 scenes can be called up at any time, power at output: max. 7W (x3 outputs), total power: 21W
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm²

- **Master and slave are connected via radio.**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**
- **max. one system per household**

series connection

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND RF transmitter
page 390



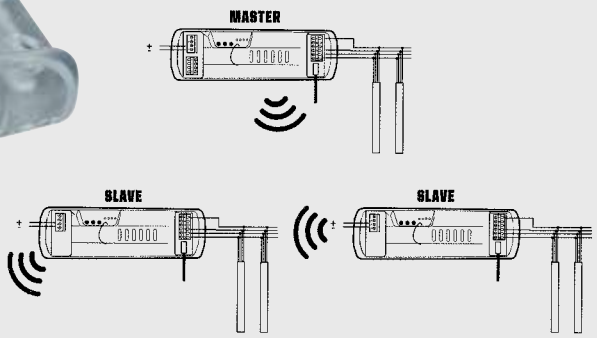
ORDERING INFORMATION

Type	Input DC	Output mA	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Syncro Master RGB 350mA	24 V	350	1-7 W x 3	165 x 47 x 35	-20˜+50° C	89445
Syncro Slave RGB 350mA	24 V	350	1-7 W x 3	165 x 47 x 35	-20˜+50° C	89446

One for all RF-system

REMOTE CONTROL AND POTENTIAL-FREE PUSHBUTTON POSSIBLE





LED Syncro RF receiver

Constant voltage12 V-24 V

- IP20
- RF receiver with dimmer (down to 25% brightness) and control function for the control of single-colour and RGB LEDs with common anode
- for indoor use
- RGB version: 8 preset colours, more than 1000 colours can be set; colour changes possible at any time; automatic colour change cycle (adjustable); every colour can be dimmed; 3 scenes can be called up at any time
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm^2
- **Remote control required (from page 408)**
- **Master and slave are connected via radio**
- **Pushbutton control possible**
- **Made in EU**
- **max. one system per household**

CE Parallel RoHS REACH

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND RF transmitter
page 390

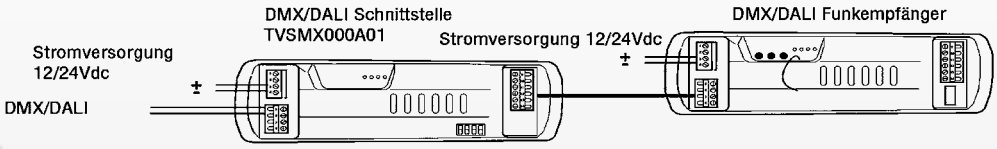


ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Syncro Master RGB	12-24 V	12-24 V	12V (144W), 24V (288W)	165 x 47 x 35	-20˜+50° C	89465
Syncro Slave RGB	12-24 V	12-24 V	12V (144W), 24V (288W)	165 x 47 x 35	-20˜+50° C	89466



One for all RF-system



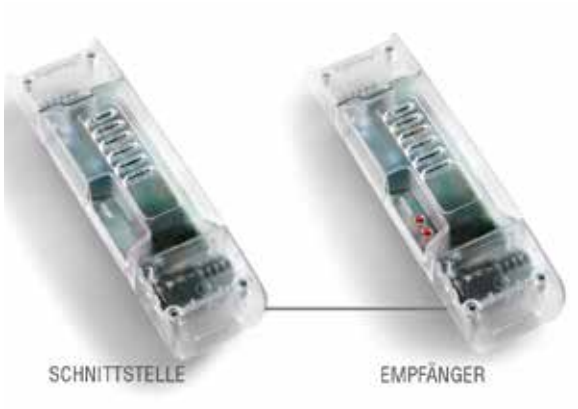
3 INDEPENDENT OUTPUTS

LED RF receiver

DMX / DALI constant current

LED RF receiver and interface constant current 350 mA - DALI/DMX

- IP20
- 350 mA DALI/DMX interface and receiver
- Interface (slave) with IP address adjustable via dip switch
- RF receiver (master) for RGB and single-colour LEDs
- Programmable with FREELED software
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm²
- **The master receiver can be connected to further standard slave devices**
- **Remote control required (from page 408)**
- **Made in EU**



series connection

REQUIRED ACCESSORIES

LED power supplies see overview page 356



RF transmitter (pages 408 to 411) or standard commercial pushbutton



OPTIONAL ACCESSORIES

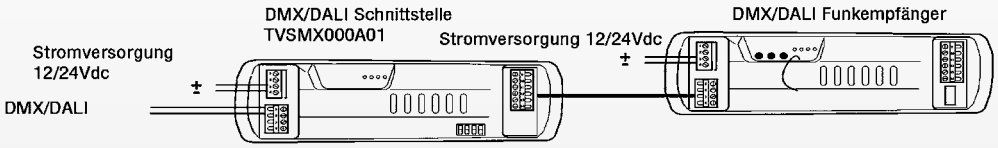
MY HAND remote control transmitter page 390



ORDERING INFORMATION

Type	Input DC	Output mA	Power watts	Size (mm)	Surrounding temperature ta	Article no.
DALI/DMX interface	24V	DMX/DALI	-	165 x 47 x 35	-20˜+50° C	89000
DALI/DMX receiver 350 mA	24 V	350	1 - 7W x 3	165 x 47 x 35	-20˜+50° C	89449
Slave RF receiver RGB 350 mA	24 V	350	1 - 7W x 3	165 x 47 x 35	-20˜+50° C	89441





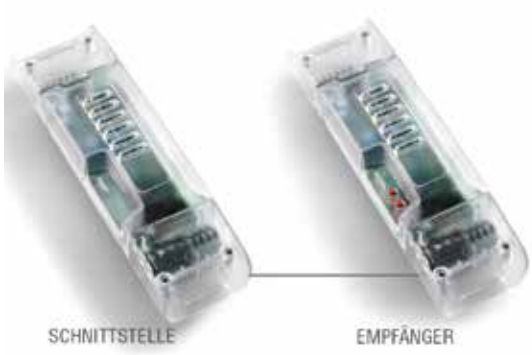
One for all RF-system

LED RF receiver

DMX / DALI 12/24V DC

LED RF receiver and interface constant voltage 12/24V DC - DALI/DMX

- IP20
- 12/24V DC RF receiver with dimmer function.
- for indoor use
- RF receiver (master) for RGB and single-colour LEDs
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm²
- **Master and slave must be connected by cable.**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**



REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND RF transmitter
page 390



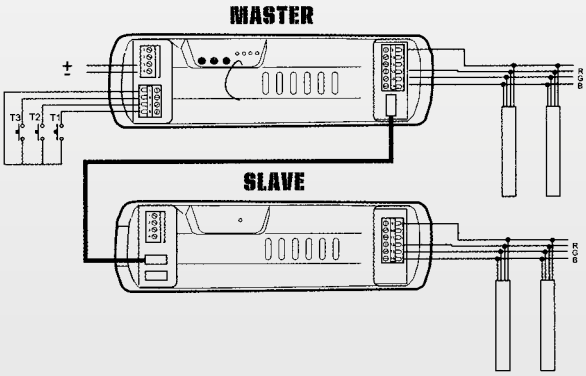
ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
DALI/DMX interface	12-24 V	12-24V	-	165 x 47 x 35	-20˜+50° C	89000
DALI/DMX receiver 12-24V DC	12-24 V	12-24V	12V (50W x 3), 24V (100W x 3)	165 x 47 x 35	-20˜+50° C	89469
Slave RF receiver	12-24 V	12-24V	12V (144W), 24V(288W)	165 x 47 x 35	-20˜+50° C	89461



One for all RF-system

3 INDEPENDENT OUTPUTS



LED RF receiver

Constant voltage 12/24V DC - 3 independent outputs

- IP20
- RF receiver with dimmer function (selectable via bridge) for control of single-colour LEDs with three independent outputs.
- for indoor use
- The outputs can be controlled either separately or together
- Maximum power per output: 50W (x3 outputs) at 12V DC and 100W (x3 outputs) at 24V DC
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm^2
- **Pro master max. 4 slave receivers**
- **Master and slave must be connected by cable.**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**

Parallel RoHS REACH

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND remote
control transmitter
page 390



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Master	12-24 V	12-24V	12V (50W x 3), 24V (100W x 3)	165 x 47 x 35	-20~+50° C	89452
Slave	12-24 V	12-24V	12V (50W x 3), 24V (100W x 3)	165 x 47 x 35	-20~+50° C	89453



2 INDEPENDENT OUTPUTS

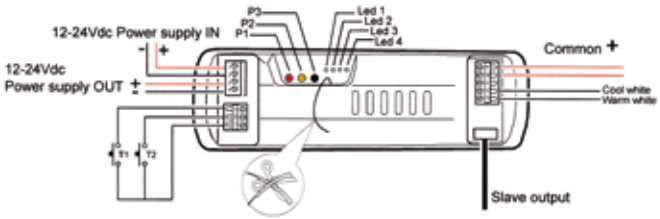
One for all RF-system

LED RF receiver select

Constant voltage 12/24V DC - 2 independent outputs

- IP20
- RF receiver with dimmer function for control of single-colour LEDs with two independent outputs.
- for indoor use
- The outputs can be controlled either separately or together
- Maximum power power per output: 48W (x2 outputs) at 12V DC and 96W (x2 outputs) at 24V DC
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm²

- **Pro master max. 4 slave receivers**
- **Master and slave must be connected by cable.**
- **Remote control required (from page 408)**
- **Pushbutton control possible**
- **Made in EU**



REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



RF transmitter
(pages 408 to 411)
or standard
commercial
pushbutton



OPTIONAL ACCESSORIES

MY HAND remote
control transmitter
page 390



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Master Select	12-24 V	12-24V	12V (2 x 48W), 24V (2 x 96W)	165 x 47 x 35	-20˜+50° C	89454



89300

One for all RF-system



89309

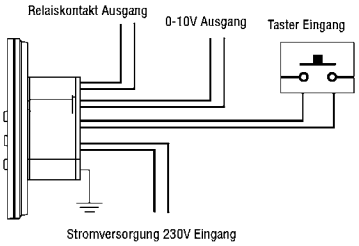
Radio-controlled dimmer 0-10 or 1-10V

0-10 or 1-10V RF dimmer receiver

- IP20
- 0-10 or 1-10V dimmer with additional RF receiver and transmitter function for fluorescent lamps
- Maximum switching load at relay 230V AC, 800W
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at output: 1.5 mm^2
- Fade-function when switching lights on and off.
- Memory function saves last setting.
- **Made in EU**

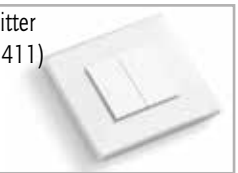
0-10 or 1-10V dimmer with additional radio control receiver and transmitter function

- 0-10 or 1-10V dimmer with additional radio control receiver and transmitter function for fluorescent lamps
- Maximum switching load at relay 230V AC, 800W
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at output: 1.5 mm^2
- Fade-function when switching lights on and off.
- Memory function saves last setting.
- **Made in EU**



REQUIRED ACCESSORIES

LED RF transmitter
(pages 408 to 411)



OPTIONAL ACCESSORIES FOR 89309

LED RF receivers
(page 391 to 405)



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
0-10V Dimmer rec.	230	230	max. 800W	165 x 47 x 35	-20˜+50° C	89300
0-10V Dimmer	230	230	max. 800W	86 x 86 x 36	-20˜+50° C	89309



NEW

LED RF Dimmer 1-10V Constant Current 350/700mA

Radio receiver controlling single colour LED

- Dimmer with integrated RF receiver, 350/700mA, single colour, push-button, 1-10V
- for indoor use
- Maximum power per output (4 outputs): 350 mA (4W-12V, 8W-24V), 700 mA (8W-12V, 16W-24V)
- Receiver frequenz: 868,3 MHz
- Maximum cable cross-section at push-button input and output: 1,5 mm^2
- Fade-function when switching light on and off
- Memory-funktion saves last setting
- Made in EU

REQUIRED ACCESSORIES

LED power supplies
see overview page 356



RF transmitter
(pages 408 to 411)
or standard commercial pushbutton



OPTIONAL ACCESSORIES

MY HAND remote control transmitter
page 390



ORDERING INFORMATION

Type	Input DC	Output mA	Power Watt	Size mm	Surrounding temperature ta	Article no.
1-10V CC	12-24V	350mA/ 700mA	4W-12V, 8W-24V x 4 channel 8W-12V,16W-24V x 4 channel	90 x 87 x 59	-20~+50° C	89435



Master 1000W



Master 2000W

On/off RF receiver 230 V

On/off RF receiver 230V for indoor use

- IP20
- Receiver with on/off relay output for devices up to 1000/2000 W.
- The receiver can be switched to series with an existing switch.
- suitable for fitting in boxes with 55 mm diameter (Art. No. 89501)
- Pushbutton control possible (with 89510)
- **Made in EU**

REQUIRED ACCESSORIES

RF transmitter (pages 408 to 411) or standard commercial pushbutton



ORDERING INFORMATION

Type	Input AC	Output AC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Master - 1000W	230 V	230 V	1 x 1000 Watt	54 x 49 x 25	-20~+50° C	89501
Master - 2000W	230 V	230 V	1 x 2000 or 2 x 1000 Watt	165 x 47 x 35	-20~+50° C	89510

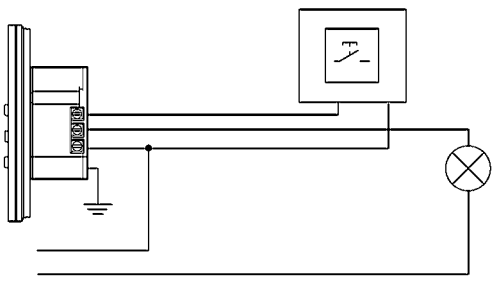


One for all RF-system

RF dimmer 230 V

230V dimmer with additional RF receiver and transmitter function

- for a load of max. 450W
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at output: 1.5 mm^2
- 100% safeguarded against short-circuit and overheating
- Fade function when switching lights on and off.
- Memory function saves last lighting setting.
- **Made in EU**



OPTIONAL ACCESSORIES

89300
LED RF transmitter
(pages 408 to 411)



LED RF receiver
(pages 391 to 405)



ORDERING INFORMATION

Type	Input AC	Output AC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
230V dimmer	230 V	230 V	min. 25W, max. 450W	86 x 86 x 36	-20˜+50° C	89299



One for all RF-system

Motion sensor

2-channel motion sensor with radio control

- 2-channel motion sensor with radio control, IP44, with on/off function
- for indoor and outdoor use
- Transmission range: 100 metres (outdoors)
- Capture range: 12 metres/180°
- On/off time: adjustable between 5 seconds and 5 minutes
- Lux: adjustable from 5 Lux to maximum possible
- Carrier frequency: 868.3 MHz
- Power supply: 6V DC (UM-3 AA batteries 1.5V x 4)
- **Only suitable for following devices: Art no. 89501, 89508, 89550, 89551**

CE RoHS REACH

REQUIRED ACCESSORIES

RF receiver
89501, 89508,
89550, 89551



ORDERING INFORMATION

Type	Size (mm)	Surrounding temperature ta	Article no.
Motion sensor 2-channel	87 x 125 x 120	-20~+50° C	89509



2-Channel RF transmitter for Wall switches

230V AC transmitter with 12 V isolated inputs

- 2-Channel RF transmitter for Wall switches
- for indoor use
- Receiver frequenz: 868,3 MHz
- Input: 230V

REQUIRED ACCESSORIES

RF receiver
(pages 391 to 405)



ORDERING INFORMATION

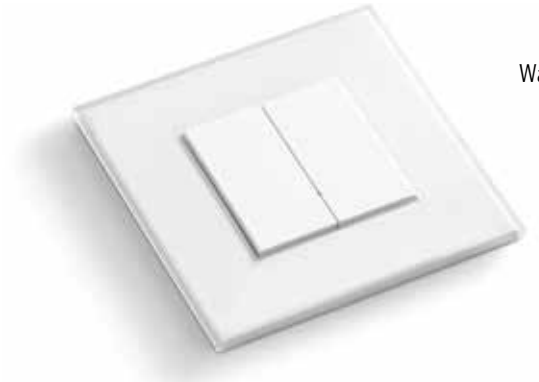
Type	Size mm	Surrounding temperature ta	Article no.
Transmitter 2-channel	50x48x20	-20˜+50° C	89555



Wall switch 1-channel



stainless steel



Wall switch 2-channel

One for all RF-system

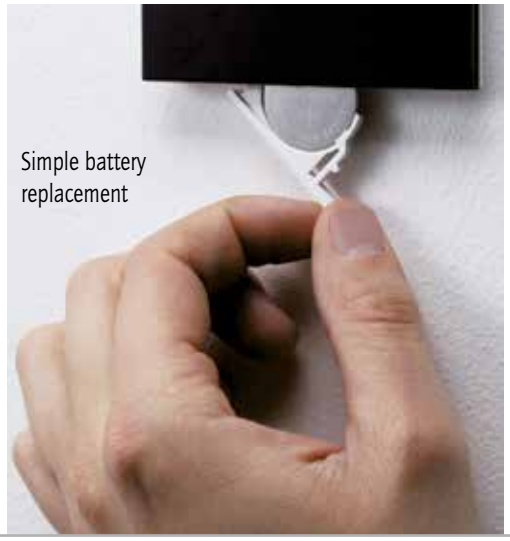


glass

LED wall switch

Wall switch 1 and 2-channel

- for indoor use
- Carrier frequency: 868.3 MHz
- Power supply: 3V ± 10% (lithium battery CR2430)
- Available in black glass and white stainless steel
- Supplied with white plastic removable frames Please order other frames separately.
- **Made in EU**



Simple battery replacement

REQUIRED ACCESSORIES

LED RF receiver
(pages 391 to 405)



ORDERING INFORMATION

Type	Size (mm)	Colour	Surrounding temperature ta	Article no.
Wall switch 1-channel	86 x 86 x 10	plastic white	-10~+55° C	89470
Wall switch 2-channel	86 x 86 x 10	plastic white	-10~+55° C	89471
Removable frames	86 x 86 x 10	stainless steel		89483
Removable frames	86 x 86 x 10	glass white		89484
Removable frames	86 x 86 x 10	glass black		89485



LED-wall switch 7-channel

Wall switch 7-channel

- for indoor use
- Carrier frequency: 868.3 MHz
- Power supply: 3V ± 10% (lithium battery CR2430)
- Available in black glass and white stainless steel
- Supplied with white plastic removable frames.
  Please order other frames separately.
- **Made in EU**



REQUIRED ACCESSORIES

LED RF receiver
(pages 391 to 405)



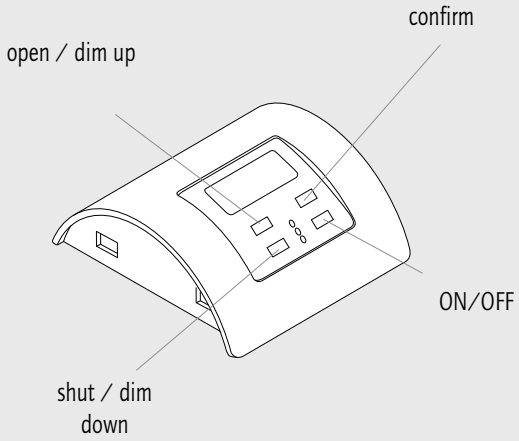
ORDERING INFORMATION

Type	Size (mm)	Colour	Surrounding temperature ta	Article no.
Wall switch 7-channel	86 x 86 x 10	plastic white	-10~+55° C	89472
Removable frames	86 x 86 x 10	stainless steel		89488
Removable frames	86 x 86 x 10	glass black		89490

CONTROLS THE BRIGHTNESS TAKING ACCOUNT OF THE SURROUNDING LIGHT

One for all RF-system

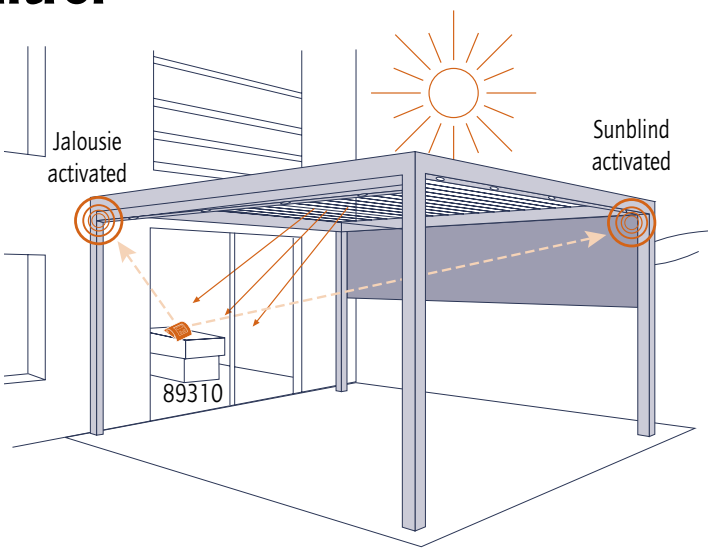




Transmitter with daylight control

RF transmitter for LED RF receiver

- Wall and hand RF transmitter
- Integrated light sensor: the light intensity is automatically adjusted depending on daylight levels and the preset target value is retained.
- for indoor use
- Carrier frequency: 868.3 MHz
- Power supply: 2 x 1.5V (battery AAA)
- **Made in EU**



CE EMC RoHS REACH

OPTIONAL ACCESSORIES

Relay for presence detector 89311



Customary presence detector

ORDERING INFORMATION

Type	Size (mm)	Colour	Surrounding temperature ta	Article no.
Transmitter with daylight control	80 x 80 x 24	black	-10~+55° C	89310
Relay for presence detector	50 x 48 x 20	-	-10~+55° C	89311

One for all RF-system



Art. no. 89579 Art. no. 89578

LED RF transmitter

RF transmitter for LED RF receiver

- RF hand transmitter with wall holder.
- Timer function with 4-channel time pushbutton
- for indoor use
- Carrier frequency: 868.3 MHz
- Power supply: 3V ± 10% (lithium battery CR2430)
- 89480 also available in pearl white, aluminum and anthracite grey
- Made in EU

CE EMC RoHS REACH

Art. no. 89479



Art. no. 89478

Art. no. 89480
can be screwed to flush-mounted / wall fitting box



Art. no. 89477
Table transmitter



Art. no. 89476
4-channel time push switch



REQUIRED ACCESSORIES

LED RF receiver
(pages 391 to 405)



ORDERING INFORMATION

Type	Size (mm)	Colour	Surrounding temperature ta	Article no.
Hand transmitter 42-channel	130 x 41 x 12	black	-10~+55° C	89579
Hand transmitter 7-channel	130 x 41 x 12	black	-10~+55° C	89578
Push switch 42-channel	80 x 80 x 10	white	-10~+55° C	89480
4-channel time push switch	80 x 80 x 10	white	-10~+55° C	89476
Hand transmitter 42-channel	122 x 42 x 15	white	-10~+55° C	89479
Hand transmitter 7-channel	122 x 42 x 15	white	-10~+55° C	89478
Table transmitter 42-channel	80 x 80 x 24	white	-10~+55° C	89477
Adapter frames for 89480	50 x 50	white		89491





RF receiver constant voltage 12 V-24 V including remote control

- IP20
- RF receiver with dimmer (down to 25% brightness) function (selectable via bridge) for the control of single-colour LEDs with three independend outputs.
- for indoor use
- RGB version: 8 preset colours, more than 1000 colours can be set; colour changes possible at any time; automatic colour change cycle (adjustable); every colour can be dimmed; 3 scenes can be called up at any time
- Remote control black
- Receiver frequency: 868.3 MHz
- Maximum cable cross-section at pushbutton input and output: 1.5 mm^2
- **Pro master max. 4 slave receivers**
- **Master and slave must be connected by cable. (A 15 cm cable is included in delivery for slave devices)**
- **Pushbutton control possible**
- **Made in EU**

Parallel RoHS REACH

LED power supplies (see overview page 356)



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Size (mm)	Surrounding temperature ta	Article no.
Master single-colour + remote control	12-24V	12-24V	12V (144W), 24V (288W)	165 x 47 x 35	-20~+50° C	89090
Master RGB + remote control	12-24V	12-24V	12V (144W), 24V (288W)	165 x 47 x 35	-20~+50° C	89095



80479



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 sequence speed adjustable in 8 levels
- Remote control range: 30 metres
- **without Battery**

RGBW controller Master

- Extension with RGB repeater 80491 possible
- High power: 240 W (12V), 480 watts (24V)
- Usable as Slave (Jumper)

REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



For 80479: Receiver 80462



For 80462: Remote control 80479



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
Remote control	3 x AAA			plastic	55 x 120 x 17	-20˜+50° C	80479
Receiver RGBW	12-24V	12-24V	4 x 60W (12V), 4 x 120W (24V)	plastic	166 x 54 x 23	-20˜+50° C	80462

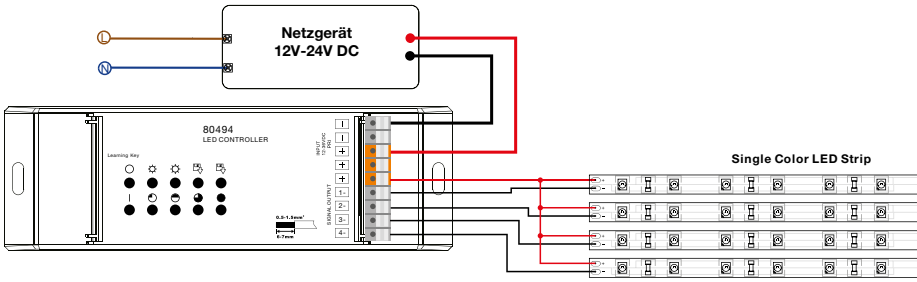


LED Controller Set - single colour 12V/24V

NEW

with remote control

- High power 240W (12V), 480W (24V)
- incl. remote control
- Remote control range: 30 metres
- 2 scenes can be saved
- Receiver frequenz: 868 MHz
- Extensio with Repeater 80491 oder 88510
- with memory effect



Parallel

REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



ORDERING INFORMATION

Type	Input DC	Output DC	Power Watt	Housing	Size mm	Surrounding temperature ta	Articel no.
Set - single colour	12-24V	12-24V	4x60W (12V), 4x120W (24V)	plastic	166 x 53.4 x 23	-20~+50°C	80494





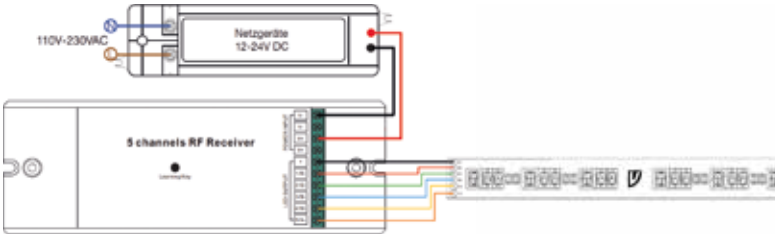
Remote control with colour wheel 4 zones

- 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.
- Receiver frequenz: 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 NEW

Master

- High power 480W (12V), 960W (24V)



REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



ORDERING INFORMATION

Type	Input DC	Output DC	Power Watt	Housing	Size mm	Surrounding temperature ta	Articel no.
Remote control	3x AAA			plastic	153x52x19	-20~+50°C	80477
Receiver RGB+W+WW	12-24V	12-24V	5x96W (12V), 5x192W (24V)	plastic	170x59x29	-20~+50°C	80464



80478



80495



80460

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**

Master RGB controller

- Programmable
- Extension with RGB repeater 80491 or 88510 possible
- High power: 240 W (12V), 480 watts (24V)

RGBW controller Set

RGBW controller with remote control

- High power: 240 W (12V), 480 W (24V)
- Incl. remote control
- 10 varying modes
- Remote control range: 30 metres
- Extension with RGB repeater 80491
- with memory effect

REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



For 80478: Receiver 80460



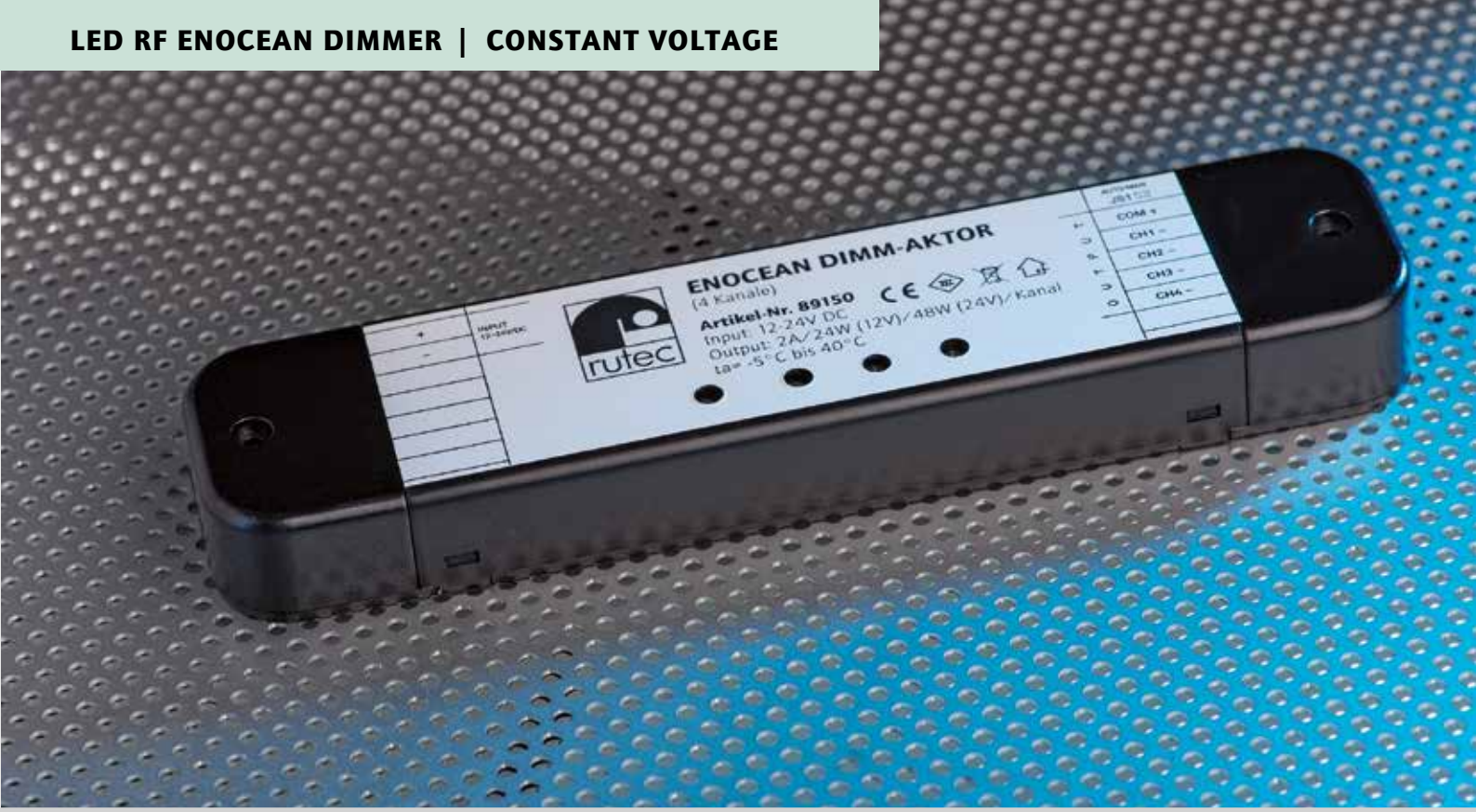
For 80460: Remote control 80478



ORDERING INFORMATION

Type	Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
Remote control	3 x AAA			plastic	55 x 120 x 17	-20~+50° C	80478
Receiver RGB	12-24V	12-24V	3 x 96W (12V), 3 x 192W (24V)	plastic	168 x 58 x 28	-20~+50° C	80460

Type	Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
RGBW controller Set	12-24V	12-24V	4 x 60W (12V), 4 x 120W (24V)	plastic	166 x 54 x 23	-20~+50° C	80495



rutec EnOcean dimmer actuator

LED dimmer for EnOcean bus systems - constant voltage 12-24V

- for 3/4 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 overcurrent
- No minimum load necessary
- Primary and secondary-sided 1 supply and feed line



REQUIRED ACCESSORIES

LED power supplies
(see overview
page 356)

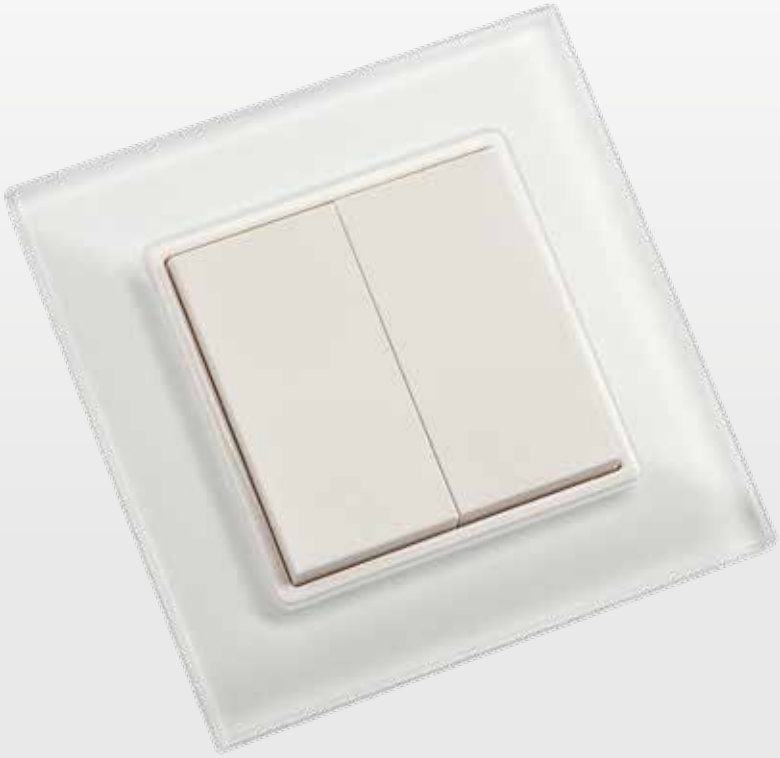


EnOcean transmitter
page 418



ORDERING INFORMATION

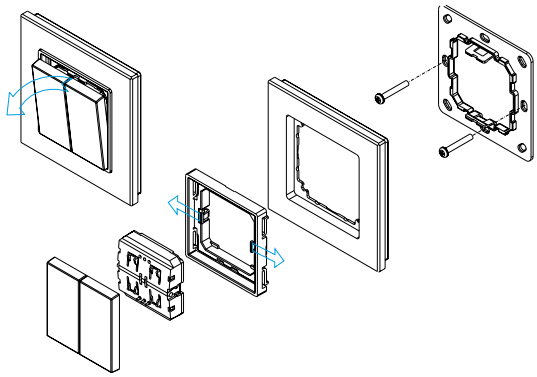
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 24W (12V), 4 x 48W (24V)	plastic	187 x 44 x 19	-5~+40°C	89150



EnOcean transmitter

LED pushbutton 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



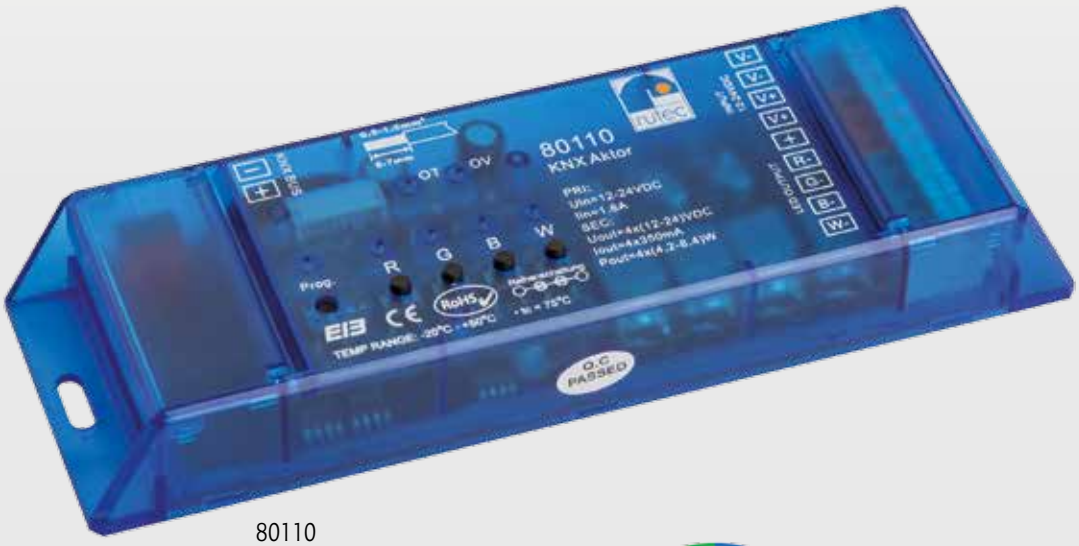
REQUIRED ACCESSORIES

EnOcean receiver page 417



ORDERING INFORMATION

Type	Size mm	Colour	Article no.
Transmitter	86 x 86 x 13.8	Glass - white	80194

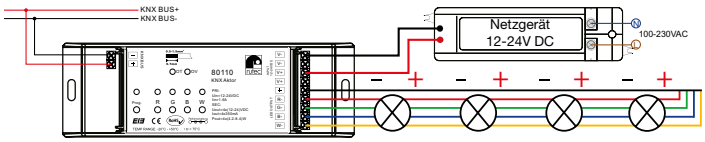


80110

rutec KNX dimmer actuator 350mA

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 knobs 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 EN60529
- Protection Class III, CE, RoHS



REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



KNX visualisation or KNX convenience switch

ORDERING INFORMATION

Input DC	Output	Power max.	Housing	Size (mm)	Temperature range	Article no.
12-24V	4 x 350mA	4 x 4.2W (12V) 4 x 8.4W (24V)	plastic	166 x 54 x 23	-20~+50°C	80110



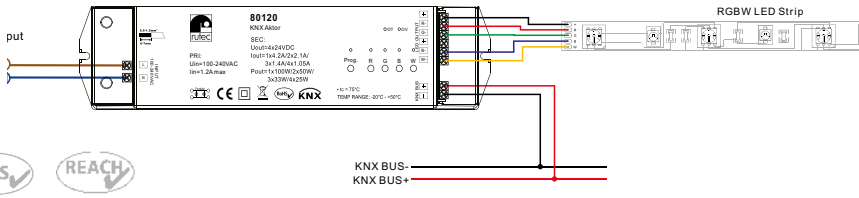
80120

rutec KNX dimmer actuator AC constant voltage

NEW

Constant voltage 1-channel single-colour

- System requirements: ETS 3.0F or higher
- for indoor use (IP20)
- Plug connectors
- Protection against short-circuit, overvoltage and overtemperature
- Manual settings possible using knobs 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 EN60529
- Total power: 1 x 100W; 2 x 50W; 3 x 33W,4 x 25W
- Protection Class II, CE, RoHS



Parallel

REQUIRED ACCESSORIES

KNX visualisation
or
KNX convenience switch

ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
100-240V	24V DC	1 x 100W; 2 x 50W; 3 x 33W,4 x 25W	plastic	244 x 64 x 32	-20~+50°C	80120



80100

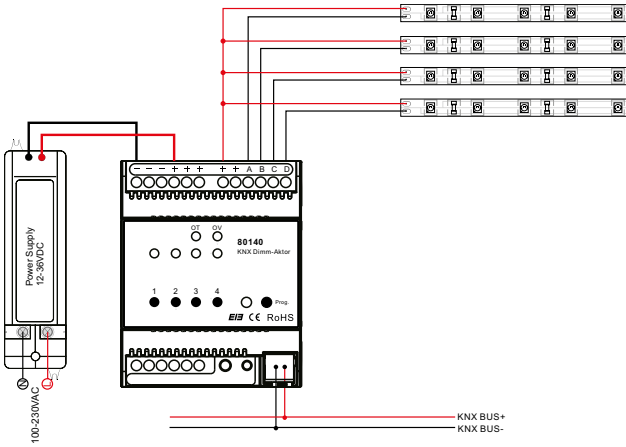
80140



rutec KNX actuator DC

Constant voltage 4-channels single-colour or multi-colour

- single-colour or multi-colour can be set using software
- System requirements: ETS 3.0F or higher
- 4 independent channels 5A/channel
- for indoor use (IP20)
- Plug connectors (except 80140 - screw connector)
- Protection against short-circuit, overvoltage and overtemperature
- Manual settings possible using knobs on device
- Optical LED warnings for overtemperature(OT) and overvoltage (OV)
- optical LED display for normal operation and address setting
- Device is produced to EN60529
- Total power: 240W (12V), 480W (24V)
- Application on www.rutec.de
- Protection Class III, CE, RoHS

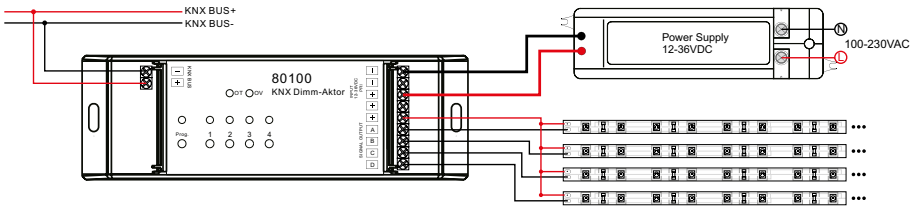


REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



KNX visualisation or KNX convenience switch



ORDERING INFORMATION

Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 60W(12V), 120W(24V)	plastic	166 x 54 x 23	-20~+50°C	80100
12-24V	12-24V	4 x 60W(12V), 120W(24V)	plastic	90.1 x 72 x 66.4	-20~+50°C	80140

80790



80795



80799

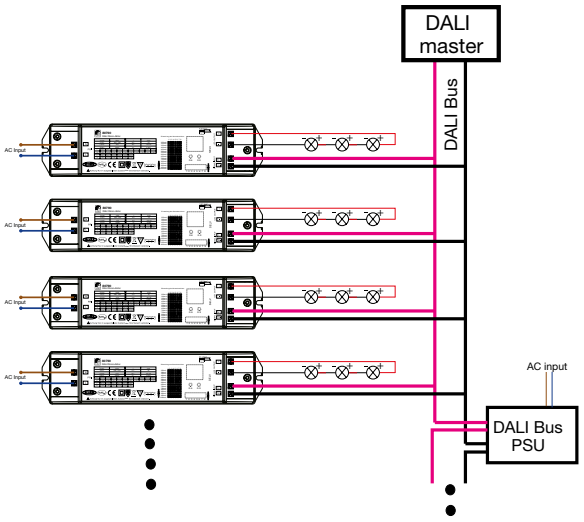


NEW

rutec DALI dimmer actuator AC

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
- Dimming range: 0-100%
- Total power by 80790
  250mA/12W
  350mA/16,8W
  600mA/28,8W
  700mA/33,6W
  1000mA/48W



series connection

REQUIRED ACCESSORIES

DALI rotary potentiometer with integrated power supply e.g. Art no. 89494



ORDERING INFORMATION

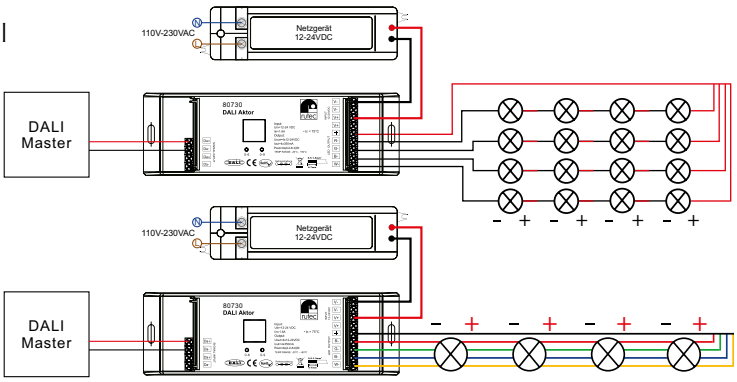
	Input AC	Output mA	Power watts	Housing	Size (mm)	Temperature range	Article no.
	100-240V	250-1000	see above	plastic	210 x 50 x 32	-20~+50°C	80790
	100-240V	350	15W	plastic	166 x 53,4 x 23	-20~+50°C	80795
NEW	100-240V	350	8W	plastic	52 x 28	-20~+50°C	80799



rutec DALI dimmer actuator DC

4 addresses - 4 channels, multicolour, constant current

- LED Dimmer for digital dimming with control performance
- 4 addresses - 4 independant channels 350 mA
- 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
- Dimming range: 0-100%
- 256 soft grey stages
- Protection Class III, CE, RoHS, REACH
- Protection against short-circuit and overtemperature



REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



ORDERING INFORMATION

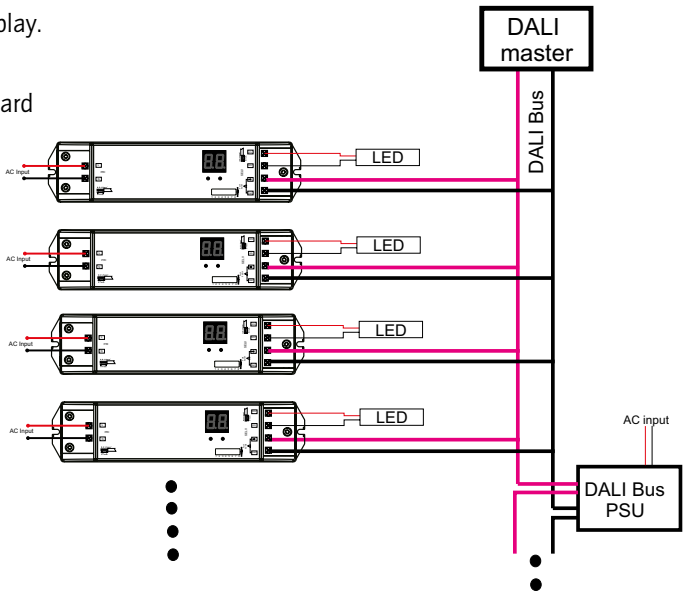
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	4 x 350mA	4 x 4,2-8,4W	plastic	166 x 53,4 x 23	-20~+50°C	80730



rutec DALI dimmer actuator AC 50W

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
- Dimming range: 0-100%
- Total power: 50W (24V)



Parallel

REQUIRED ACCESSORIES

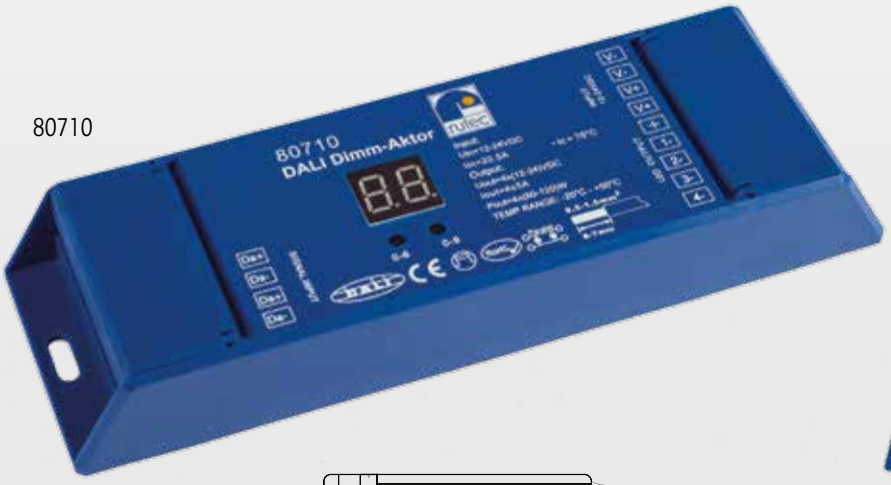
DALI rotary potentiometer with integrated power supply e.g. Art no. 89494

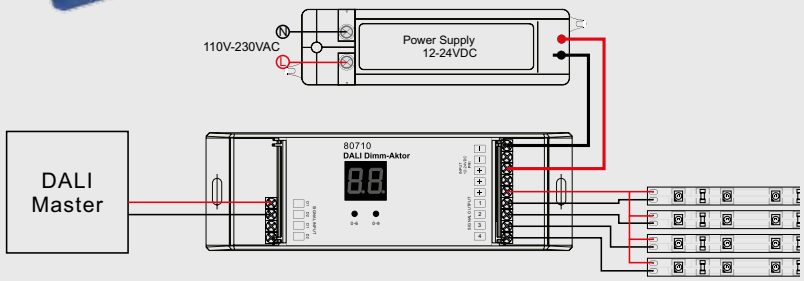


ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
100-240V	24V	1 x 50W	plastic	210 x 32 x 50	-20~+50°C	80780

80710





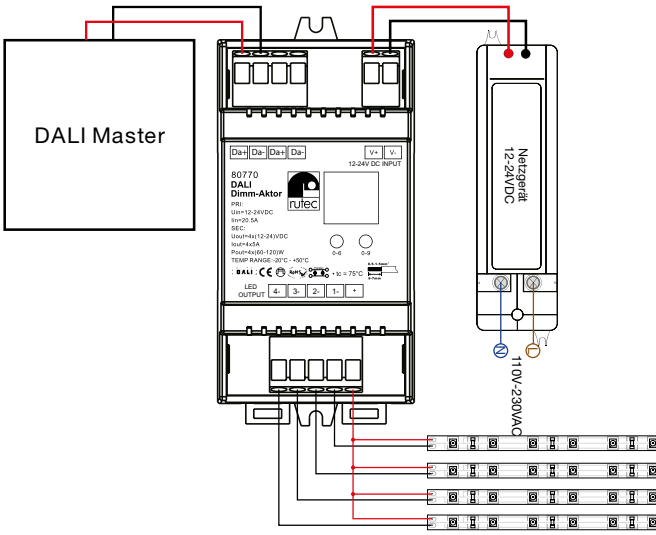


80770

rutec DALI dimmer actuator DC

1 addresses - 4 channels, single-colour, constant voltage

- LED Dimmer for digital dimming with control performance
- 1 addresses - 4 channels à 5A 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
- Dimming range: 0-100%
- 256 soft grey stages
- Protection Class III, CE, RoHS, REACH
- Protection against short-circuit and overtemperature
- Total power: 240W (12V), 480W (24V)



REQUIRED ACCESSORIES

DALI rotary potentiometer with integrated power supply e.g. Art no. 89494



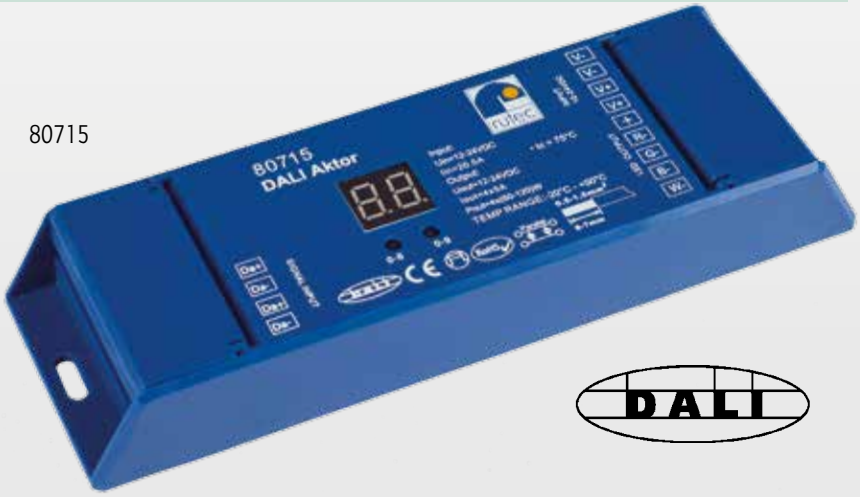
LED power supplies (see overview page 356)



ORDERING INFORMATION

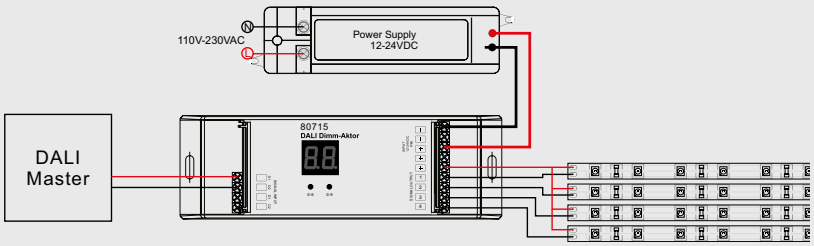
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 60W(12V), 120W(24V)	plastic	166 x 53.4 x 23	-20~+50°C	80710
12-24V	12-24V	4 x 60W(12V), 120W(24V)	plastic	53 x 105.5 x 65	-20~+50°C	80770

80715





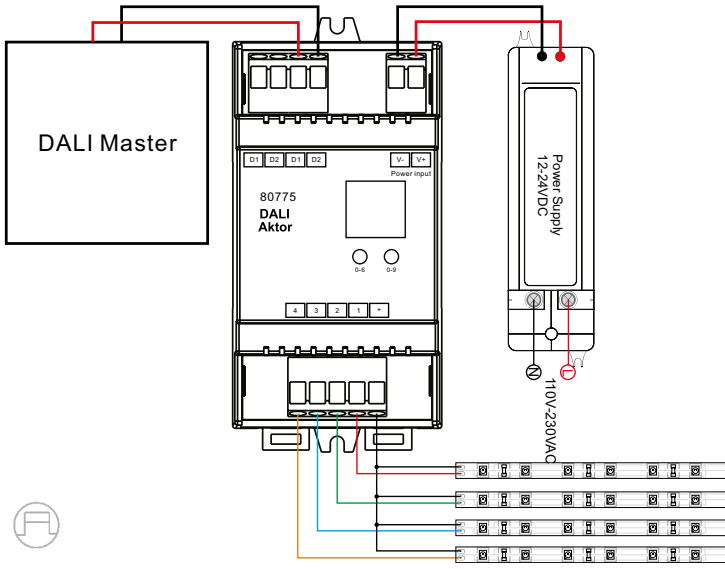
80775



rutec DALI dimmer actuator DC

1-4 addresses - 4 channels, multicolour, 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 5A 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
- Dimming range: 0-100%
- Protection Class III, CE, RoHS, REACH
- Protection against short-circuit and overtemperature
- Total power: 240W (12V), 480W (24V)



REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



ORDERING INFORMATION

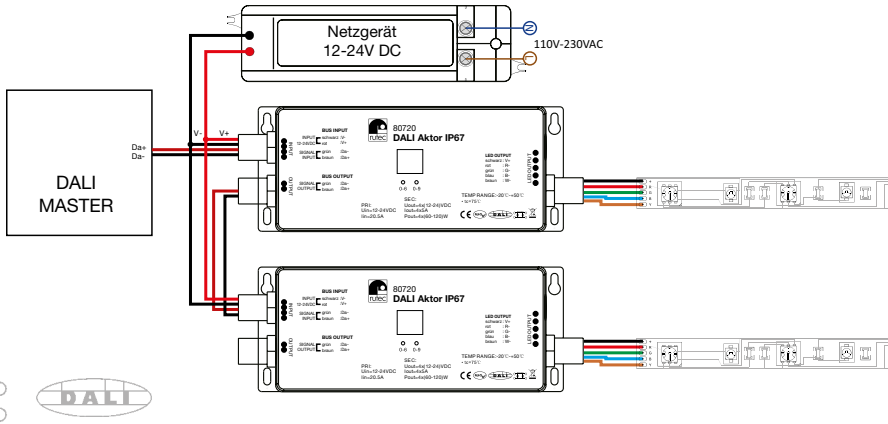
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 60W(12V), 120W(24V)	plastic	166 x 53,4 x 23	-20~+50°C	80715
12-24V	12-24V	4 x 60W(12V), 120W(24V)	plastic	53 x 105.5 x 65	-20~+50°C	80775



rutec DALI dimmer actuator DC IP67

1-4 addresses - 4 channels, multicolour, 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 5A 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
- Dimming range: 0-100%
- Protection Class III, CE, RoHS, REACH
- Protection against short-circuit and overtemperature
- Total power: 240W (12V), 480W (24V)



Parallel

REQUIRED ACCESSORIES

LED power supplies
(see overview
page 356)



ORDERING INFORMATION

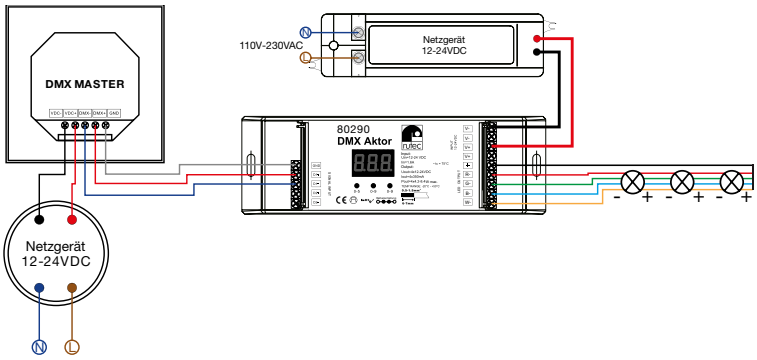
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 60W(12V), 120W(24V)	Kunststoff	235 x 74 x 38	-20~+50°C	80720



rutec DMX actuator

1 - 4 addresses - 4 channels, multicolour, constant current

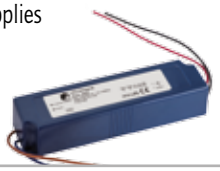
- 4 channels/ 1 - 4 addresses adjustable, max. 8,4W (24V) per channel
- DMX512
- DMX address freely adjustable and visible using digital display
- for indoor use
- IP20
- Protection Class III, CE, RoHS



CE RoHS REACH series connection

REQUIRED ACCESSORIES

LED power supplies (see overview page 356)



OPTIONAL ACCESSORIES

DMX touch panels from page 435



DMX digital wire Art no. 89990



ORDERING INFORMATION

Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	4 x 350mA	4 x 4.2W(12V), 8.4W(24V)	plastic	166 x 53.4 x 23	-20~+50°C	80290



80200



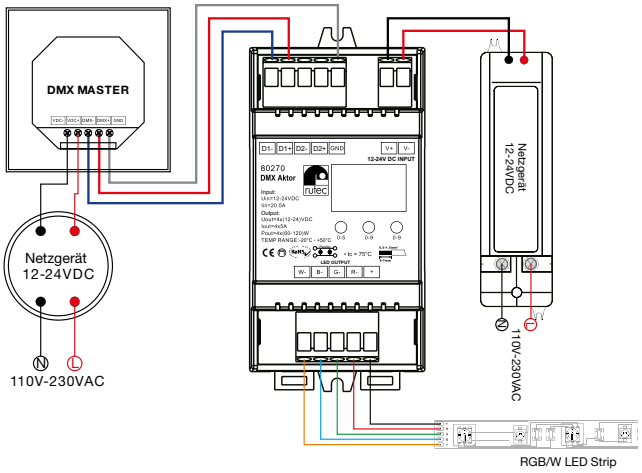
80270

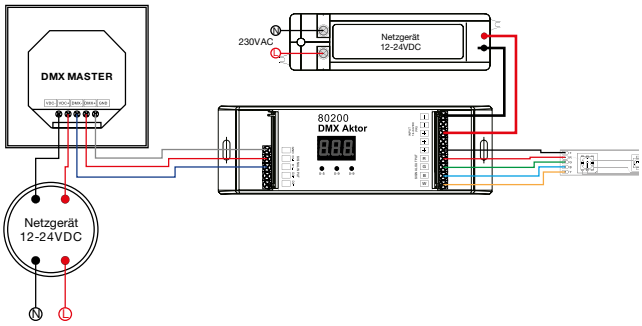
rutec DMX actuator DC

1 - 4 addresses, 1 - 4 colours

constant voltage

- DMX512
- 1 - 4 colours / 1 - 4 addresses adjustable, max. 5A 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 356



OPTIONAL ACCESSORIES

DMX touch panels
from page 435



TFT touch panel
Art no. 88458
see page 437



DMX digital wire
Art no. 89990



ORDERING INFORMATION

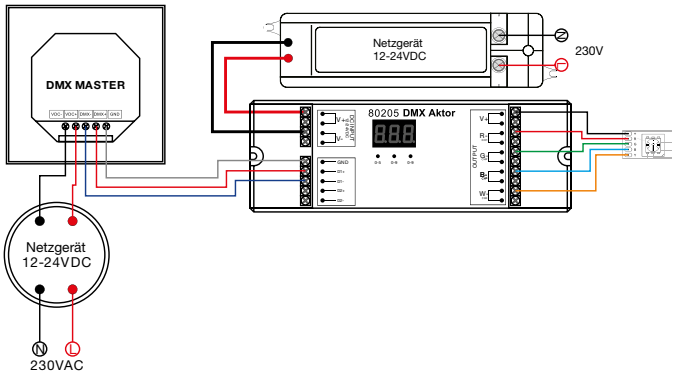
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 60W(12V),120W(24V)	plastic	166 x 53.4 x 23	-20~+50°C	80200
12-24V	12-24V	4 x 60W(12V),120W(24V)	plastic	53 x 105.5 x 65	-20~+50°C	80270



rutec DMX actuator DC

1 - 4 addresses - 4 channels, multicolour, constant voltage

- DMX512
- 4 channels/ 1 - 4 addresses adjustable, max. 8A per channel
- DMX address freely adjustable and visible using digital display
- for indoor use
- IP20
- Protection Class III, CE, RoHS, REACH



REQUIRED ACCESSORIES OPTIONAL ACCESSORIES

LED power supplies (see overview page 356)



DMX touch panels from page 435



TFT touch panel Art no. 88458 see page 437



DMX digital wire Art no. 89990



ORDERING INFORMATION

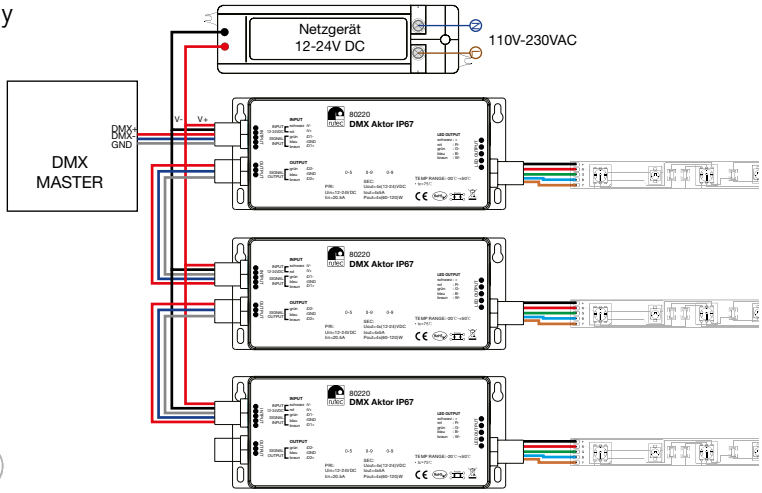
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 96W(12V),192W(24V)	plastic	170 x 59 x 29	-20~+50°C	80205



rutec DMX actuator DC IP67

1-4 addresses - 4 channels, multicolour, constant voltage

- DMX512
- 4 channels/ 1 - 4 addresses adjustable, max. 5A per channel
- DMX address freely adjustable and visible using digital display
- for indoor and outdoor use
- IP67
- Protection Class III, CE, RoHS, REACH



RoHS REACH Parallel

REQUIRED ACCESSORIES OPTIONAL ACCESSORIES

LED power supplies (see overview page 356)



DMX touch panels from page 435



TFT touch panel Art no. 88458 see page 437



DMX digital wire Art no. 89990



ORDERING INFORMATION

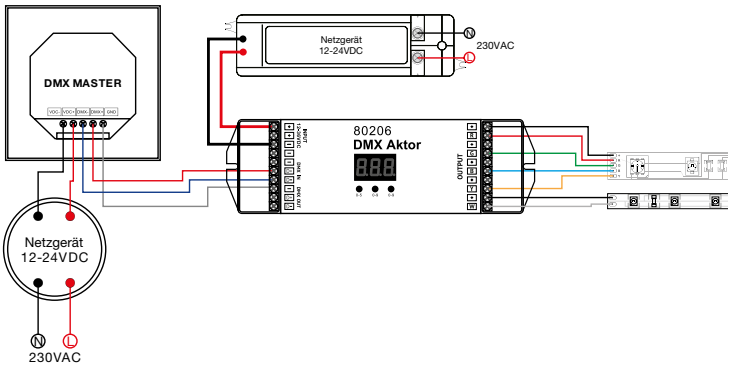
Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	4 x 60W(12V),120W(24V)	plastic	235 x 74 x 38	-20~+50°C	80220



rutec DMX actuator DC

1- 5 addresses - 3,4 or 5 channel, constant voltage

- DMX512
- 3, 4 or 5 channels/ 3 - 5 addresses adjustable, max 5A pro 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 - 180W (12V), 360W (24V)
  4 channels - 240W (12V), 480W (24V)
  5 channels - 300W (12V), 600W (24V)



REQUIRED ACCESSORIES OPTIONAL ACCESSORIES

LED power supplies
(see overview
page 356)



Glass touch panel
Art no. 80505
s. Page 435



TFT touch panel
Art no. 88458
see page 437



DMX digital wire
Art no. 89990



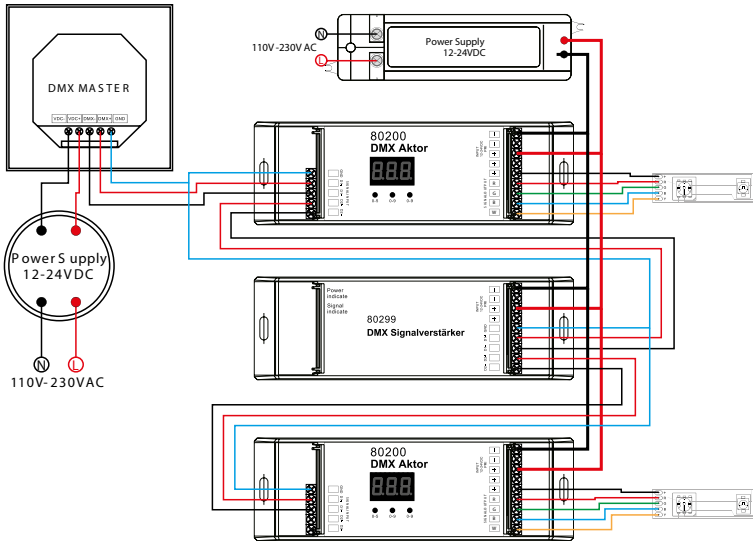
ORDERING INFORMATION

Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	5 x 60W(12V),120W(24V)	plastic	178 x 46.1 x 21	-20~+50°C	80206



rutec DMX signal amplifier

- for indoor use
- IP20
- Protection Class III, CE, RoHS, REACH



REQUIRED ACCESSORIES

LED power supplies
(see overview
page 356)



DMX actuator
Art no. 80200, 80205,80206,
80250, 80270, 80290



OPTIONAL ACCESSORIES

DMX digital wire
Art no. 89990



ORDERING INFORMATION

Input DC	Output	Housing	Size (mm)	Temperature range	Article no.
12-24V	DMX signal	plastic	166 x 53.4 x 23	-20~+50°C	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 356)



TFT touch panel Art no. 88458 see page 437



OPTIONAL ACCESSORIES

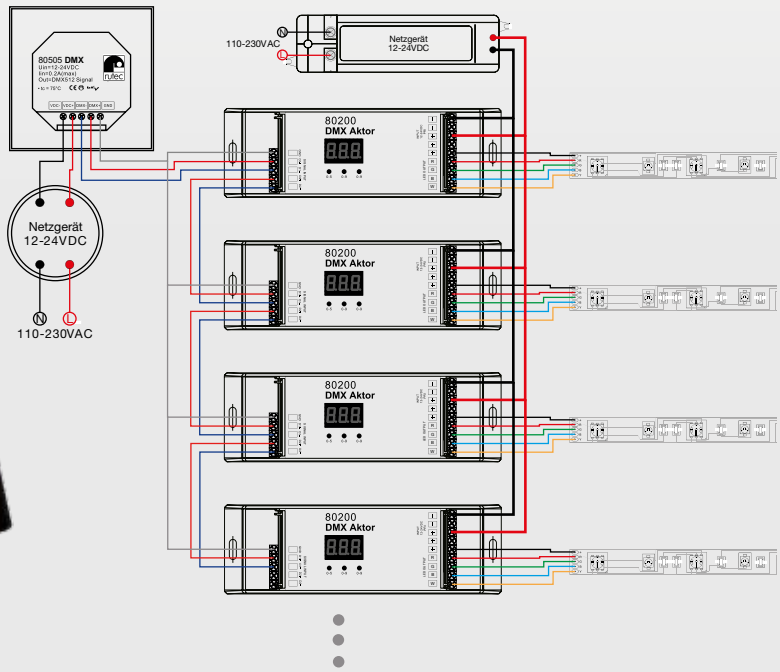
DMX digital wire Art no. 89990



ORDERING INFORMATION

Input DC	Output	Housing	Size (mm)	Temperature range	Article no.
12-24V	SPI signal	plastic	125 x 52 x 40	-30~+65°C	89600





DMX touch panel

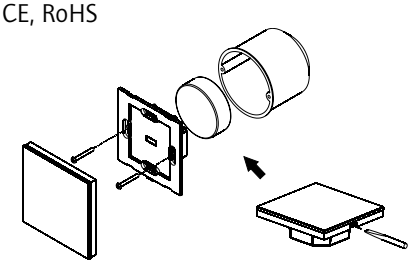
1 ZONE RGBW

- 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 touch panel

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 356)



DMX actuator
Art no. 80200, 80205,80206,
80250, 80270, 80290



OPTIONAL ACCESSORIES

DMX digital wire
Art no. 89990



ORDERING INFORMATION

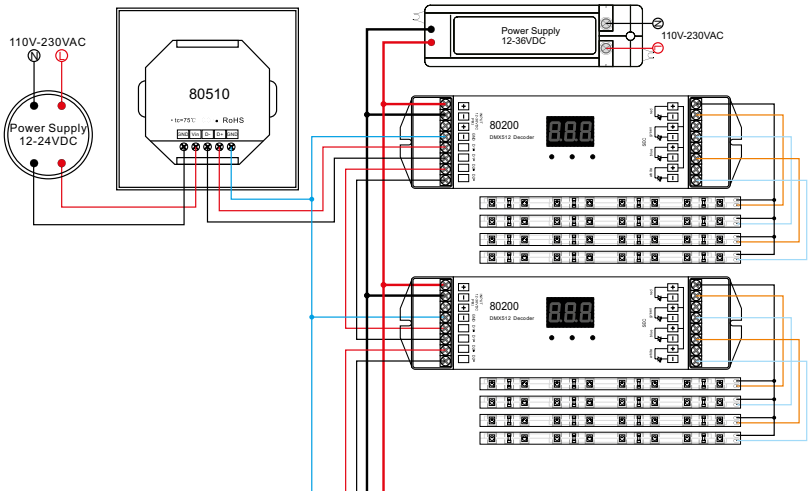
Typ	Input DC	Output	Housing	Size (mm)	Article no.
1 zone RGBW	12-24V	DMX512 signal	plastic	86 x 86 x 29.1	80500
4 zones RGBW	12-24V	DMX512 signal	plastic	86 x 86 x 29.1	80505



Glass touch panel

Glass touch panel 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
- Dimming 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 356



DMX actuator
Art no. 80200, 80205,80206,
80250, 80270, 80290



OPTIONAL ACCESSORIES

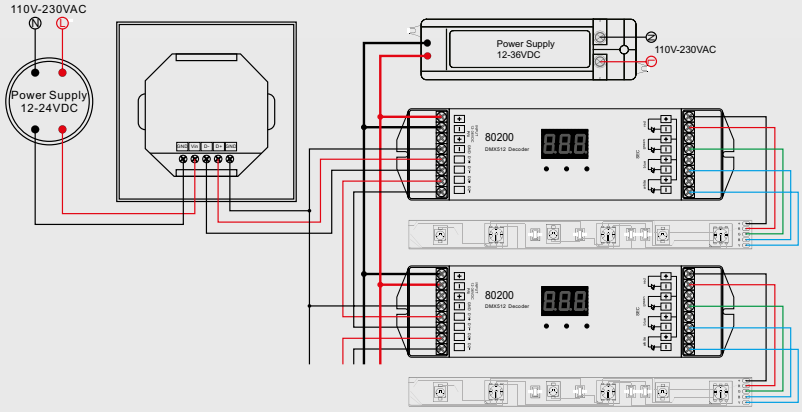
DMX digital wire
Art no. 89990



ORDERING INFORMATION

Input DC	Output	Housing	Size (mm)	Article no.
12-24V	DMX512 signal	plastic	86 x 86 x 29.1	80510





TFT touch panel

TFT up to 6 colours DMX touch panel 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: 7-30V 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**
  Please 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 356



DMX actuator
Art no. 80200, 80205,80206,
80250, 80270, 80290



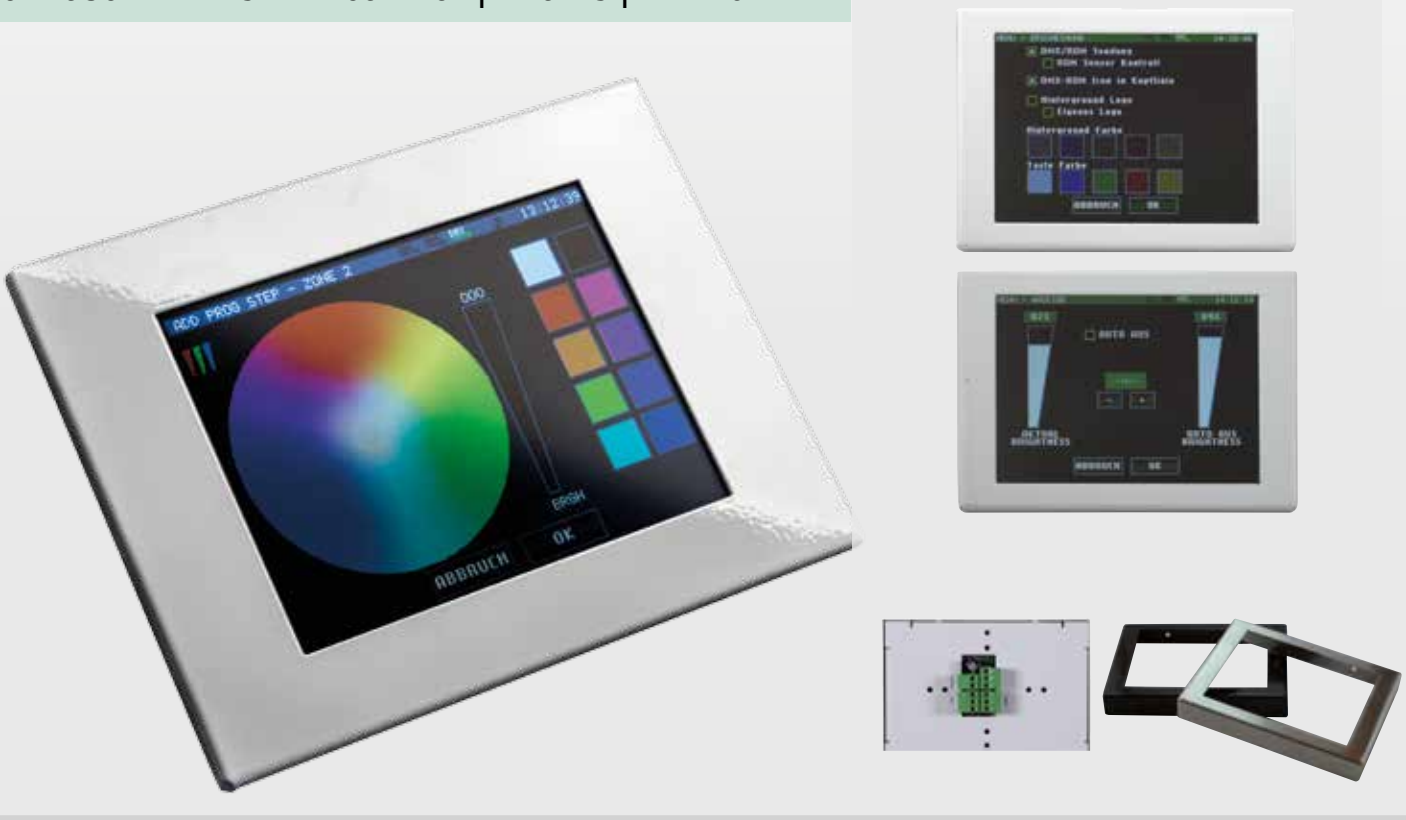
OPTIONAL ACCESSORIES

DMX digital wire
Art no. 89990



ORDERING INFORMATION

Input DC	Power watts	Size (mm)	Installation depth	Article no.
7-30V	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 356



DMX actuator
Art no. 80200, 80205,80206, 80250, 80270, 80290



OPTIONAL ACCESSORIES

DMX digital wire
Art no. 89990



ORDERING INFORMATION

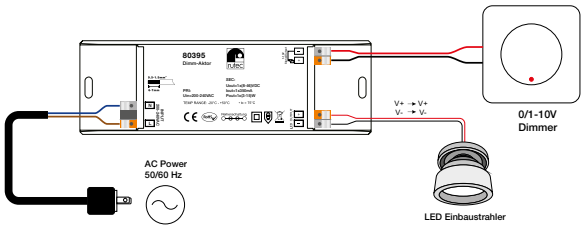
Description	Installation sizes mm	Size mm	Weight	Article no.
LCD RGB DMX with removable frames white	-	150 x 110 x 22	560 g	88477
LCD RGB DMX for flat mounting surface	160 x 118 x 45	175 x 132 x 50	840 g	88457
Removable frames, black	-	150 x 110 x 22		88512
Removable frames, brushed iron	-	150 x 110 x 22		88515



rutec Dim-Actuator 200-240V 15W 350mA 0/1-10V NEW

LED Dimmer for analog dimming with soft control performance

- for indoor use
- 1-channel 350mA,15W
- 1 control input: 0/1-10V
- IP20
- Protection class: II, CE, RoHS
- Dimming range: 0-100%
- 256 soft grey stages
- Total power: 15W



series connection

REQUIRED ACCESSORIES

1-10V control unit or potentiometer

ORDERING INFORMATION

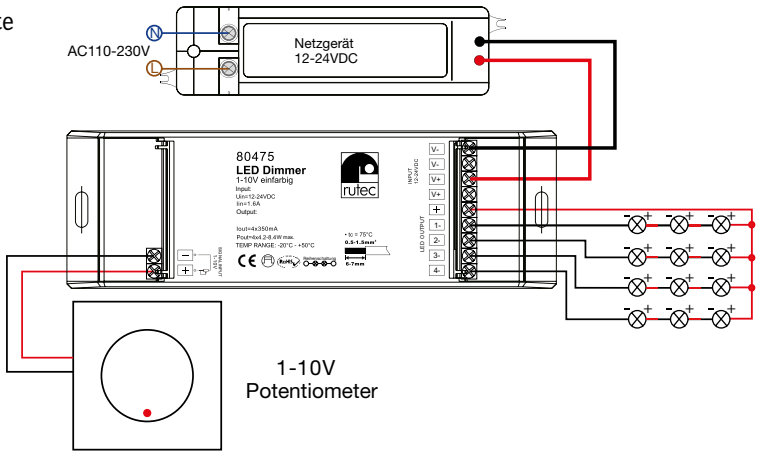
Input AC	Output DC	Power Watt	Housing	Size mm	Surrounding temperature ta	Article no.
230V	350mA	15	plastic	166 x 53.4 x 23	-20~+45°C	80395



rutec LED Dimmer 1-10V constant current 350mA

4 channels single-colour, constant current

- LED dimmer for analog dimming with soft control performance
- for indoor use
- 1 control input: 1-10V
- 4 channel outputs @ 350mA PWM, 4,2W (12V) - 8,4W (24V)
- IP20
- Protection Class III, CE, RoHS, REACH
- Dimming range: 0-100%
- 256 soft grey stages
- Total power: 16.8W (12V), 33.6W (24V)



CE RoHS REACH series connection

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



1-10V control unit or
potentiometer

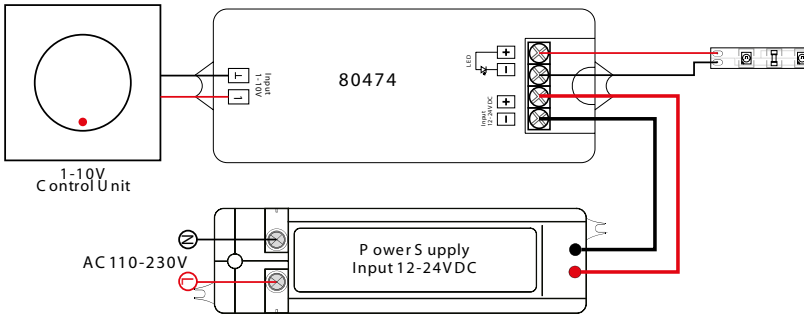
ORDERING INFORMATION

Input DC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12V-24V	4 x 350mA	4.2W (12V) - 8.4W (24V)	plastic	166 x 53.4 x 23	-20~+50°C	80475



rutec LED Dimmer 1-10V + pushbutton Potentiometer, constant voltage

- LED dimmer for analog dimming with soft control performance
- for indoor use
- 1-channel 8A, 96W (12V) - 192W (24V)
- 1 control input: 1-10V, potentiometer, switch, potential free
- 1 channel output 8A PWM
- IP20
- Protection Class III, CE, RoHS
- Dimming range: 0-100%
- 256 soft grey stages



REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



1-10V control unit or
potentiometer
or pushbutton

ORDERING INFORMATION

Input DC	Output DC	Power watts	Housing	Size (mm)	Surrounding temperature ta	Article no.
12V-24V	12V-24V	96W (12V) - 192W (24V)	plastic	94 x 37 x 21	-20~+50°C	80474



rutec LED repeater IP68

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: 5-24V DC, 2W

REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



LED controller constant
voltage
page 391-444



ORDERING INFORMATION

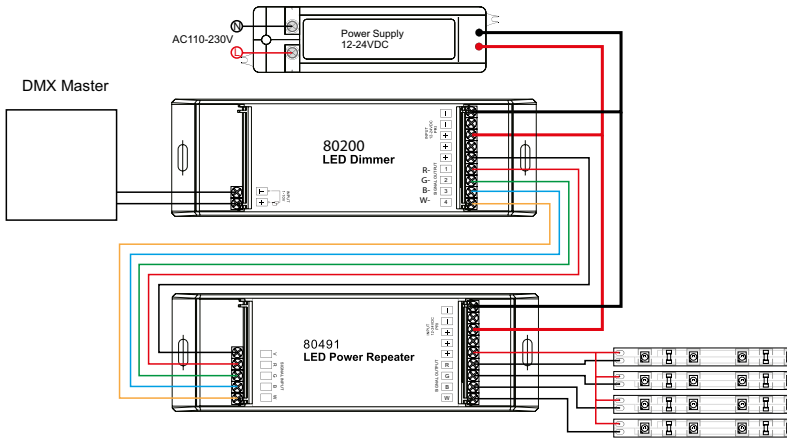
Input DC	Output	Power watts	Housing	Size (mm)	Weight g	Cable	Article no.
12-24V	12-24V, 3x3 A	100W (12V), 200W (24W)	plastic	163 x 35 x 28	210	without	88510



rutec LED power repeater

240W(12V) 480W(24V) multicolour LED repeater

- LED power repeater
- Repeater for PWM dimming signals
- 1 channel, 3 channel or 4 channel, max. up to 5A per channel
- for indoor use
- IP20
- Protection Class III, CE, RoHS



REQUIRED ACCESSORIES

LED power supplies
see overview
page 356



LED controller constant
voltage
page 391-444



ORDERING INFORMATION

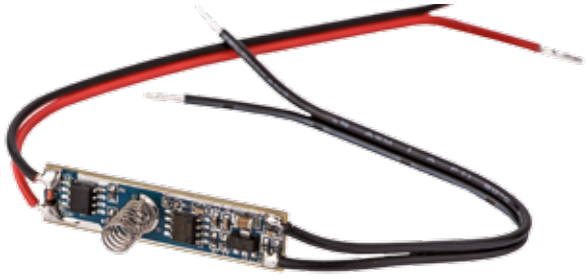
Input AC	Output	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12V-24V, 4 x 5A	4 x 60W(12V),120W(24V)	plastic	166 x 53.4 x 23	-20~+50°C	80491



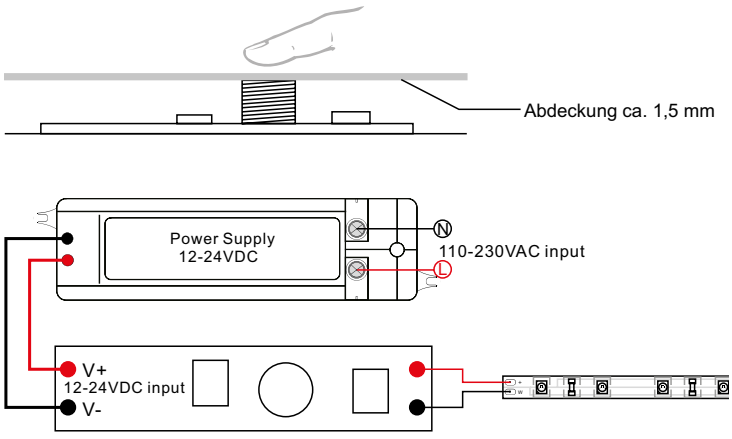
Touch dimmer PCB

LED dimmer for LED Aluminum profile, single-colour

- for indoor use
- 1-channel 3A, 36W (12V) - 72W (24V)
- 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 356



Aluminum
profile H12



ORDERING INFORMATION

Input AC	Output DC	Power watts	Housing	Size (mm)	Temperature range	Article no.
12-24V	12-24V	36W (12V) - 72W (24V)	-	42 x 10 x 11	-20~+50°C	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, etc... Meters. The exact details can be found on the product site or in the description.

What is Plus and what is Minus?
Plus is red or brown and minus is 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.

Is there a connector or power supply connector for VARDAflex Side Mini?
No.

Can the fixed LED strips be shortened?
Yes, but only with considerable effort and it would void the product warranty.

When do I need a constant current converter?
If the LED products give a notice of an input of 350mA or 700mA. 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. 12V or 24V 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
(see the description on page 366).

Can I dim GU10 LED Light Bulbs?
No, because they are under-powered if the incorrect power supply is used and then flicker or hum.

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. (12V/24V).

Are there connectors for aluminum profiles?
No.

What are the different types of controllers?
KNX, DMX, EIB, 1-10V, 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/Profile.

Do the controllers have a common plus?
Yes.

Do you have to prove all of the secondary outlets for larger power supplies?
No.

Why does the VARDAflex250 Single Color have 4 input lines and what is positive and negative?
Please note the platinum label: „W" and „R" shown twisted, plus (+). „G" and „B" shown, twisted, minus (-).

How can I secure VARDAflex500 in a Profile?
You can use the LED strips with neutral linked silicone or use double-sided tape.

How can I secure VARDAflex IP68?
You can secure VARDAflex IP68 with neutral linked silicone or use double-sided tape.

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 2 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 color 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 color 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) color mixing of light only makes sense if a gradient is required in the first Line. Although it is possible to create the color „white" while mixing colors. 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 N 60825-1 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 20000 - 50000 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 horizontally 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.

Sales promotion



Art no. 10085
Profile case
sales case

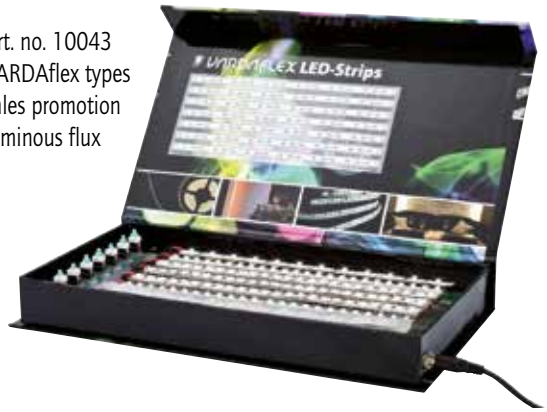


Art. no. 10089
VARDAflex Neon
sales case



Art no. 10088
VARDAflex Outdoor
sales case

Art. no. 10043
VARDAflex types
sales promotion
luminous flux





Art no. 10065
LED display

Art. no. 10053
VARDAflex types
sales promotion
colour temperature



Article numbers

Art. no.	page	price	PU
10005	116	108,00 €	pc
10043	447	67,50 €	pc
10053	447	67,50 €	pc
10059	116	36,00 €	pc
10065	447	26,46 €	pc
10069	116	67,50 €	pc
10085	447	567,00 €	pc
10087	253	506,25 €	pc
10088	209	567,00 €	pc
10089	253	567,00 €	pc
42060	17	4,50 €	pc
42061	17	52,67 €	pc
42067	17	52,67 €	pc
42069	17	52,67 €	pc
42100	18	4,50 €	pc
42101	18	78,66 €	pc
42107	18	78,66 €	pc
42109	18	78,66 €	pc
42140	19	5,63 €	pc
42141	19	108,18 €	pc
42147	19	108,18 €	pc
42149	19	108,18 €	pc
42250	20	6,75 €	pc
42251	20	136,73 €	pc
42257	20	136,73 €	pc
42259	20	136,73 €	pc
42410	21	9,00 €	pc
42411	21	272,32 €	pc
42417	21	272,32 €	pc
42419	21	272,32 €	pc
43101	66	82,22 €	pc
43105	66	88,13 €	pc
43109	66	88,13 €	pc
43201	67	85,79 €	pc
43205	67	96,95 €	pc
43209	67	96,95 €	pc
45101	30	113,09 €	pc
45105	30	113,09 €	pc
45109	30	113,09 €	pc
46251	20	136,73 €	pc
54995	114	7,49 €	pc
54996	114	7,49 €	pc
54999	8	1,44 €	pc
55000	114	2,34 €	pc
55002	114	2,70 €	pc
55003	114	7,49 €	pc
55004	114	1,26 €	pc
55006	114	3,02 €	pc
55007	114	7,49 €	pc
55008	114	7,49 €	pc
55010	114	3,02 €	pc
55301	115	0,90 €	pc
55302	115	0,90 €	pc
55303	115	0,90 €	pc
55304	115	0,90 €	pc
55307	115	0,90 €	pc
55312	115	0,90 €	pc
55400	114	2,16 €	pc
55420	115	8,17 €	pc
55430	115	10,40 €	pc
55432	115	10,40 €	pc
55491	114	11,88 €	pc
55493	114	26,14 €	pc
55494	114	26,14 €	pc
55495	114	26,14 €	pc
55496	114	27,00 €	pc
55499	114	27,00 €	pc
55911	108	45,00 €	pc
55914	108	45,00 €	pc
55915	108	45,00 €	pc
55919	108	45,00 €	pc
55929	111	48,60 €	pc
55939	110	39,60 €	pc
55941	108	45,00 €	pc
55944	108	45,00 €	pc
55945	108	45,00 €	pc
55949	108	45,00 €	pc
55969	111	48,60 €	pc
55979	110	39,60 €	pc
56502	74	128,52 €	pc
56503	75	181,08 €	pc
57150	56	11,70 €	pc
57154	56	11,70 €	pc
57159	60	45,18 €	pc
57201	57	36,00 €	pc
57455	73	69,48 €	pc
57456	73	121,10 €	pc
57460	72	80,82 €	pc
57502	74	128,52 €	pc
57504	75	181,08 €	pc
57514	75	181,08 €	pc
57531	74	66,60 €	pc
57532	74	155,16 €	pc
57555	68	37,69 €	pc
57556	68	77,29 €	pc
57558	68	113,87 €	pc
57559	68	113,87 €	pc
57560	68	33,70 €	pc
57657	71	143,53 €	pc
57660	71	84,96 €	pc
59024	135	11,81 €	pc
59025	135	8,24 €	pc
59026	135	4,32 €	pc
59048	135	3,60 €	pc
59049	135	21,74 €	pc
59050	135	256,93 €	pc
59057	135	444,24 €	pc
59060	136	309,60 €	pc
59067	136	518,90 €	pc
59150	132	26,96 €	pc
59151	132	26,96 €	pc
59155	132	26,96 €	pc
59161	132	29,43 €	pc
59165	132	29,43 €	pc
59170	133	30,26 €	pc
59171	133	30,26 €	pc
59175	133	30,26 €	pc
59185	133	46,69 €	pc
59190	48	3,49 €	pc
59191	48	4,28 €	pc
59192	48	7,20 €	pc
59193	48	9,00 €	pc
59650	109	217,94 €	pc
59999	58	87,75 €	pc
67005	292	131,60 €	pc
67015	293	120,85 €	pc
67018	293	144,99 €	pc
67045	296	257,51 €	pc
67065	295	135,27 €	pc
67066	295	270,43 €	pc
67075	294	217,82 €	pc
67085	297	217,82 €	pc
67900	299	36,27 €	pc
67950	299	12,74 €	pc
67951	299	34,34 €	pc
67952	299	46,69 €	pc
67953	299	23,56 €	pc
67989	299	34,20 €	pc
67997	299	94,97 €	pc
67998	299	338,94 €	pc
67999	299	2.100,85 €	pc
68025	345	99,90 €	pc
68028	345	9,25 €	pc
68035	349	91,69 €	pc
68038	349	7,63 €	pc
68084	313	3,85 €	pc
68089	313	3,85 €	pc
68094	345	19,91 €	pc
68099	345	19,01 €	pc
68101	331	15,39 €	pc
68102	331	15,39 €	pc
68106	317	15,39 €	pc
68107	331	81,74 €	pc
68108	331	121,66 €	pc
68109	332	7,70 €	pc
68125	348	26,10 €	pc
68128	348	4,52 €	pc
68137	317	32,96 €	pc
68138	317	32,96 €	pc

Art. no.	page	price	PU
68139	317	51,95 €	pc
68142	332	32,96 €	pc
68143	332	32,96 €	pc
68148	332	32,96 €	pc
68164	317	26,87 €	pc
68166	332	9,59 €	pc
68167	332	26,87 €	pc
68168	331	19,24 €	pc
68169	332	15,39 €	pc
68178	331	19,24 €	pc
68179	332	11,54 €	pc
68180	351	113,38 €	pc
68181	351	226,76 €	pc
68184	313	3,85 €	pc
68185	313	3,85 €	pc
68215	344	509,76 €	pc
68225	348	59,63 €	pc
68235	350	184,68 €	pc
68236	350	277,02 €	pc
68245	353	288,63 €	pc
68247	333	19,24 €	pc
68248	353	11,54 €	pc
68249	353	11,54 €	pc
68255	352	288,63 €	pc
68256	352	432,95 €	pc
68257	333	19,24 €	pc
68258	352	11,54 €	pc
68259	352	11,54 €	pc
68265	337	162,20 €	pc
68266	333	19,24 €	pc
68267	333	19,24 €	pc
68268	337	242,39 €	pc
68269	337	242,39 €	pc
68279	333	461,70 €	pc
68284	348	1,58 €	pc
68285	348	1,58 €	pc
68286	348	1,58 €	pc
68287	348	1,58 €	pc
68288	344	19,24 €	pc
68289	344	19,24 €	pc
68290	344	11,54 €	pc
68291	344	12,74 €	pc
68294	352	74,61 €	pc
68295	352	32,96 €	pc
68296	352	51,84 €	pc
68297	352	14,85 €	pc
68298	352	14,85 €	pc
68299	352	34,56 €	pc
68308	205	20,36 €	pc
68309	217	20,36 €	pc
68310	253	14,02 €	pc
68313	253	31,59 €	pc
68314	251	21,98 €	pc
68316	253	24,05 €	pc
68317	251	39,53 €	pc
68318	251	39,76 €	pc
68319	253	4,50 €	pc
68320	219	5,58 €	pc
68322	219	21,33 €	pc
68328	219	15,64 €	pc
68330	209	6,10 €	pc
68332	209	21,33 €	pc
68338	209	14,96 €	pc
68343	281	32,96 €	pc
68345	281	32,96 €	pc
68348	281	26,30 €	pc
68354	247	26,30 €	pc
68358	247	22,05 €	pc
68375	239	27,00 €	pc
68375	333	27,00 €	pc
68379	239	3,65 €	pc
68405	302	24,75 €	pc
68415	303	26,89 €	pc
68425	302	29,25 €	pc
68435	303	29,75 €	pc
68455	325	51,30 €	pc
68479	306	2,68 €	pc
68480	307	1,58 €	pc
68481	307	1,58 €	pc
68481	325	1,58 €	pc
68482	306	1,58 €	pc
68483	306	1,58 €	pc
68487	306	1,58 €	pc
68488	306	1,58 €	pc
68489	306	5,29 €	pc
68490	306	2,48 €	pc
68491	306	1,58 €	pc
68492	306	1,58 €	pc
68493	306	1,58 €	pc
68494	306	1,58 €	pc
68495	306	1,58 €	pc
68496	306	1,58 €	pc
68497	306	1,58 €	pc
68498	306	1,58 €	pc
68499	306	2,70 €	pc
68500	308	39,58 €	pc
68505	308	40,30 €	pc
68508	308	66,80 €	pc
68509	308	118,73 €	pc
68515	310	79,16 €	pc
68518	310	118,73 €	pc
68519	310	134,48 €	pc
68525	309	92,34 €	pc
68526	309	6,17 €	pc
68527	309	6,17 €	pc
68528	309	6,17 €	pc
68535	332	346,28 €	pc
68539	312	5,02 €	pc
68540	312	5,02 €	pc
68541	312	9,59 €	pc
68542	312	9,59 €	pc
68544	312	5,02 €	pc
68545	312	5,02 €	pc
68546	310	5,02 €	pc
68547	308	5,02 €	pc
68548	312	5,02 €	pc
68549	312	5,02 €	pc
68550	177	34,63 €	pc
68555	177	69,26 €	pc
68556	309	7,70 €	pc
68557	177	9,23 €	pc
68558	177	18,45 €	pc
68559	313	7,70 €	pc
68560	313	5,02 €	pc
68561	313	5,02 €	pc
68562	317	11,54 €	pc
68563	177	5,02 €	pc
68564	177	5,02 €	pc
68565	177	7,65 €	pc
68566	177	7,65 €	pc
68567	177	15,30 €	pc
68568	177	15,30 €	pc
68569	317	6,17 €	pc
68570	317	11,54 €	pc
68571	317	11,54 €	pc
68572	317	11,54 €	pc
68573	315	11,54 €	pc
68574	320	11,54 €	pc
68575	321	23,02 €	pc
68576	321	23,02 €	pc
68577	331	84,89 €	pc
68578	308	24,75 €	pc
68579	321	15,30 €	pc
68587	317	6,17 €	pc
68589	313	5,81 €	pc
68591	312	5,81 €	pc
68592	312	5,81 €	pc
68594	308	14,33 €	pc
68596	308	7,65 €	pc
68597	308	14,33 €	pc
68598	308	14,33 €	pc
68599	313	7,70 €	pc
68605	308	79,16 €	pc
68608	308	118,73 €	pc
68615	310	79,16 €	pc
68618	310	118,73 €	pc
68625	326	121,66 €	pc
68626	326	132,53 €	pc
68635	327	143,53 €	pc
68636	327	154,40 €	pc
68638	327	218,66 €	pc
68640	334	69,26 €	pc
68645	334	137,97 €	pc
68655	330	346,28 €	pc
68657	330	11,54 €	pc
68658	330	11,54 €	pc
68659	330	15,30 €	pc
68660	312	5,02 €	pc
68661	312	5,02 €	pc
68662	335	11,54 €	pc
68663	331	115,25 €	pc

Art. no.	page	price	PU
68663	332	115,25 €	pc
68663	335	115,25 €	pc
68664	319	11,54 €	pc
68665	340	7,70 €	pc
68666	313	3,85 €	pc
68667	313	3,85 €	pc
68668	313	5,02 €	pc
68669	313	5,81 €	pc
68670	313	3,85 €	pc
68671	313	3,85 €	pc
68672	313	3,85 €	pc
68673	313	3,85 €	pc
68674	313	3,85 €	pc
68675	343	107,10 €	pc
68676	313	3,85 €	pc
68677	335	6,91 €	pc
68678	335	6,91 €	pc
68679	343	7,70 €	pc
68685	312	3,85 €	pc
68686	312	3,85 €	pc
68687	313	5,81 €	pc
68688	313	5,81 €	pc
68689	313	5,81 €	pc
68690	312	3,85 €	pc
68691	334	7,65 €	pc
68692	334	7,65 €	pc
68693	334	15,30 €	pc
68694	334	15,30 €	pc
68695	335	10,76 €	pc
68696	335	10,76 €	pc
68697	335	30,71 €	pc
68698	335	61,45 €	pc
68699	335	26,89 €	pc
68705	311	105,23 €	pc
68706	311	127,04 €	pc
68735	338	196,29 €	pc
68740	340	118,33 €	pc
68745	340	230,85 €	pc
68755	341	265,55 €	pc
68760	302	21,53 €	pc
68775	342	311,72 €	pc
68776	338	46,17 €	pc
68777	338	94,23 €	pc
68779	338	173,21 €	pc
68782	338	6,17 €	pc
68783	349	1,58 €	pc
68784	349	1,58 €	pc
68785	345	1,58 €	pc
68786	345	1,58 €	pc
68787	312	5,02 €	pc
68788	312	5,02 €	pc
68789	338	7,70 €	pc
68791	343	15,30 €	pc
68792	308	65,59 €	pc
68794	308	65,59 €	pc
68799	308	65,59 €	pc
68800	304	54,83 €	pc
68805	304	109,69 €	pc
68808	304	169,38 €	pc
68825	314	161,60 €	pc
68845	315	161,60 €	pc
68855	329	197,87 €	pc
68860	312	5,02 €	pc
68861	312	5,02 €	pc
68862	312	5,02 €	pc
68863	312	5,02 €	pc
68868	322	398,32 €	pc
68869	322	415,53 €	pc
68870	322	23,09 €	pc
68875	321	577,13 €	pc
68878	304	5,02 €	pc
68878	307	5,02 €	pc
68879	307	5,02 €	pc
68884	314	7,70 €	pc
68885	315	7,70 €	pc
68886	307	5,49 €	pc
68887	307	17,44 €	pc
68888	304	17,44 €	pc
68890	304	3,85 €	pc
68891	302	25,20 €	pc
68892	302	26,78 €	pc
68893	302	16,13 €	pc
68894	302	16,13 €	pc
68897	302	16,13 €	pc
68898	302	16,13 €	pc
68899	313	7,70 €	pc
68925	331	253,94 €	pc
68928	331	380,90 €	pc
68929	331	395,33 €	pc
68935	317	128,14 €	pc
68938	317	336,78 €	pc
68945	317	232,20 €	pc
68948	317	348,30 €	pc
68955	336	198,14 €	pc
68959	314	5,02 €	pc
68965	319	311,65 €	pc
68966	320	365,67 €	pc
68968	319	467,57 €	pc
68969	320	538,38 €	pc
68975	318	137,97 €	pc
68976	320	11,54 €	pc
68977	320	11,54 €	pc
68978	342	7,70 €	pc
68979	338	7,70 €	pc
68980	313	5,02 €	pc
68981	313	5,02 €	pc
68982	319	11,54 €	pc
68983	318	7,70 €	pc
68984	318	7,70 €	pc
68985	338	7,70 €	pc
68986	340	7,70 €	pc
68987	341	7,70 €	pc
68988	342	7,70 €	pc
68990	338	7,65 €	pc
68991	314	15,30 €	pc
68992	319	15,30 €	pc
68993	319	32,96 €	pc
68994	317	32,96 €	pc
68995	340	7,65 €	pc
68997	317	15,30 €	pc
68998	317	15,30 €	pc
68999	318	15,30 €	pc
80100	421	474,75 €	pc
80110	419	474,75 €	pc
80120	420	648,72 €	pc
80140	421	474,75 €	pc
80194	418	154,35 €	pc
80200	429	108,77 €	pc
80205	430	141,75 €	pc
80206	432	141,75 €	pc
80220	431	263,72 €	pc
80270	429	111,13 €	pc
80290	428	118,51 €	pc
80299	433	71,17 €	pc
80395	439	72,13 €	pc
80460	416	105,75 €	pc
80462	413	105,75 €	pc
80464	415	176,79 €	pc
80474	441	68,42 €	pc
80475	440	103,43 €	pc
80477	415	200,12 €	pc
80478	416	85,50 €	pc
80479	413	85,50 €	pc
80491	443	68,76 €	pc
80494	414	156,29 €	pc
80495	416	143,26 €	pc
80500	435	151,61 €	pc
80505	435	151,61 €	pc
80510	436	156,29 €	pc
80710	425	112,32 €	pc
80715	426	130,50 €	pc
80720	427	263,72 €	pc
80730	423	148,50 €	pc
80770	425	108,45 €	pc
80775	426	131,02 €	pc
80780	424	129,92 €	pc
80790	422	119,95 €	pc
80795	422	92,45 €	pc
80799	422	51,30 €	pc
81165	194	250,58 €	pc
81175	194	52,90 €	pc
81185	194	28,33 €	pc
81195	194	111,08 €	pc
81522	200	199,04 €	pc
81550	196	94,10 €	pc
81551	196	49,14 €	pc
81555	196	456,62 €	pc
81565	192	153,14 €	pc
81575	192	33,41 €	pc
81576	198	307,85 €	pc
81585	192	18,79 €	pc

Art. no.	page	price	PU
81586	198	65,43 €	pc
81595	192	67,88 €	pc
81596	198	34,81 €	pc
83690	239	13,50 €	pc
83692	239	13,50 €	pc
85071	363	108,00 €	pc
85076	363	108,00 €	pc
85427	370	19,37 €	pc
85428	370	19,37 €	pc
85430	374	26,24 €	pc
85433	372	38,25 €	pc
85434	378	41,85 €	pc
85439	371	15,75 €	pc
85440	371	14,81 €	pc
85441	371	15,26 €	pc
85442	370	22,32 €	pc
85443	374	29,93 €	pc
85445	63	31,43 €	pc
85446	63	36,65 €	pc
85446	378	36,65 €	pc
85451	363	110,25 €	pc
85452	363	124,00 €	pc
85453	363	128,25 €	pc
85454	363	167,36 €	pc
85459	358	22,46 €	pc
85461	363	110,25 €	pc
85462	363	124,00 €	pc
85463	363	128,25 €	pc
85464	363	167,36 €	pc
85469	358	22,46 €	pc
85470	360	37,13 €	pc
85471	361	43,97 €	pc
85475	360	37,13 €	pc
85476	361	43,97 €	pc
85477	362	103,43 €	pc
85950	375	15,75 €	pc
85955	378	33,21 €	pc
85960	372	32,29 €	pc
85965	378	33,21 €	pc
85970	372	37,19 €	pc
85975	379	50,04 €	pc
85980	376	43,79 €	pc
85984	359	55,17 €	pc
85985	379	46,49 €	pc
85987	359	55,17 €	pc
85990	377	76,41 €	pc
86000	257	24,86 €	pc
86001	257	24,86 €	pc
86002	257	13,97 €	pc
86005	256	2.289,89 €	pc
86006	157	4,50 €	pc
86007	157	4,50 €	pc
86013	272	1.764,23 €	pc
86015	272	1.764,23 €	pc
86016	276	1.871,15 €	pc
86023	272	3.528,97 €	pc
86025	272	3.528,97 €	pc
86026	276	3.662,21 €	pc
86031	252	1.587,98 €	pc
86032	252	1.587,98 €	pc
86033	252	1.587,98 €	pc
86034	252	1.587,98 €	pc
86035	252	1.587,98 €	pc
86036	260	1.708,09 €	pc
86037	252	1.587,98 €	pc
86042	252	3.136,05 €	pc
86043	252	3.136,05 €	pc
86044	252	3.136,05 €	pc
86045	252	3.136,05 €	pc
86046	260	3.385,31 €	pc
86050	280	2.336,94 €	pc
86051	280	2.336,94 €	pc
86052	280	2.336,94 €	pc
86053	280	2.336,94 €	pc
86055	280	2.336,94 €	pc
86057	280	2.336,94 €	pc
86059	280	2.336,94 €	pc
86062	280	3.465,65 €	pc
86063	280	3.465,65 €	pc
86065	280	3.465,65 €	pc
86072	280	1.148,78 €	pc
86073	280	1.148,78 €	pc
86075	280	1.184,78 €	pc
86076	284	1.878,75 €	pc
86080	247	6,93 €	pc
86081	261	26,96 €	pc
86082	253	26,96 €	pc
86083	261	11,45 €	pc
86088	253	11,45 €	pc
86089	253	30,69 €	pc
86089	273	30,69 €	pc
86090	261	18,70 €	pc
86091	261	18,70 €	pc
86092	261	13,95 €	pc
86093	261	11,52 €	pc
86094	261	7,02 €	pc
86095	253	23,20 €	pc
86096	253	23,20 €	pc
86097	253	14,58 €	pc
86098	253	14,27 €	pc
86099	253	15,23 €	pc
86106	266	2.022,75 €	pc
86107	270	2.650,00 €	pc
86116	266	2.022,75 €	pc
86127	162	391,50 €	pc
86136	264	1.327,50 €	pc
86137	264	1.327,50 €	pc
86144	146	193,50 €	pc
86145	146	193,50 €	pc
86170	281	22,88 €	pc
86171	281	22,88 €	pc
86175	281	12,83 €	pc
86180	281	6,93 €	pc
86181	273	24,86 €	pc
86182	273	24,86 €	pc
86183	273	13,97 €	pc
86184	273	13,93 €	pc
86185	273	13,93 €	pc
86186	277	13,93 €	pc
86187	277	13,93 €	pc
86188	273	26,96 €	pc
86190	277	18,70 €	pc
86191	277	18,70 €	pc
86192	277	26,01 €	pc
86193	277	24,86 €	pc
86194	277	24,86 €	pc
86195	273	20,36 €	pc
86196	273	20,36 €	pc
86197	273	14,29 €	pc
86198	277	13,97 €	pc
86199	273	8,15 €	pc
86199	277	8,15 €	pc
86203	250	528,75 €	pc
86205	250	528,75 €	pc
86230	246	472,50 €	pc
86232	246	472,50 €	pc
86233	246	472,50 €	pc
86235	246	472,50 €	pc
86239	246	472,50 €	pc
86242	246	1.343,25 €	pc
86243	246	1.343,25 €	pc
86245	246	1.343,25 €	pc
86249	246	1.343,25 €	pc
86252	246	2.542,50 €	pc
86253	246	2.542,50 €	pc
86255	246	2.542,50 €	pc
86260	258	1.057,50 €	pc
86262	258	1.057,50 €	pc
86267	258	1.057,50 €	pc
86270	274	1.107,00 €	pc
86272	274	1.107,00 €	pc
86277	274	1.107,00 €	pc
86288	253	36,61 €	pc
86289	261	36,61 €	pc
86290	261	22,50 €	pc
86291	261	22,50 €	pc
86292	261	12,65 €	pc
86295	253	21,74 €	pc
86296	253	21,74 €	pc
86297	253	12,80 €	pc
86315	146	193,50 €	pc
86318	146	193,50 €	pc
86319	146	193,50 €	pc
86345	142	87,75 €	pc
86348	142	87,75 €	pc
86349	142	87,75 €	pc
86355	152	348,75 €	pc
86358	152	348,75 €	pc
86375	182	515,25 €	pc
86378	182	515,25 €	pc
86385	184	697,50 €	pc

Art. no.	page	price	PU
86388	184	697,50 €	pc
86404	156	391,50 €	pc
86405	156	391,50 €	pc
86407	156	391,50 €	pc
86414	144	114,75 €	pc
86415	144	114,75 €	pc
86424	154	519,75 €	pc
86425	154	519,75 €	pc
86437	148	220,50 €	pc
86490	251	20,72 €	pc
86491	251	20,72 €	pc
86492	251	10,71 €	pc
86495	247	19,67 €	pc
86496	247	19,67 €	pc
86497	247	10,31 €	pc
86512	172	292,50 €	pc
86521	170	418,50 €	pc
86522	170	418,50 €	pc
86523	170	418,50 €	pc
86524	174	321,75 €	pc
86525	174	137,25 €	pc
86526	174	137,25 €	pc
86527	174	137,25 €	pc
86533	169	5,69 €	pc
86534	143	5,69 €	pc
86535	169	5,69 €	pc
86536	143	5,20 €	pc
86538	143	3,22 €	pc
86539	169	3,22 €	pc
86544	142	87,75 €	pc
86545	142	87,75 €	pc
86546	168	146,25 €	pc
86549	216	288,00 €	pc
86554	152	348,75 €	pc
86555	152	348,75 €	pc
86564	204	146,25 €	pc
86565	204	146,25 €	pc
86576	168	238,50 €	pc
86613	238	903,85 €	pc
86615	238	903,85 €	pc
86633	240	903,85 €	pc
86635	240	903,85 €	pc
86640	209	29,31 €	pc
86641	209	29,31 €	pc
86642	209	16,97 €	pc
86656	143	9,00 €	pc
86657	143	9,00 €	pc
86658	143	9,00 €	pc
86659	143	9,00 €	pc
86660	223	30,09 €	pc
86661	223	30,09 €	pc
86662	223	16,97 €	pc
86666	143	9,00 €	pc
86667	143	9,00 €	pc
86668	143	9,00 €	pc
86669	143	9,00 €	pc
86686	153	9,00 €	pc
86687	153	9,00 €	pc
86688	153	9,00 €	pc
86696	153	9,00 €	pc
86697	153	9,00 €	pc
86698	153	9,00 €	pc
86706	218	582,75 €	pc
86716	218	1.100,25 €	pc
86726	218	1.701,00 €	pc
86736	220	960,75 €	pc
86746	220	1.797,75 €	pc
86756	222	348,75 €	pc
86757	224	1.312,97 €	pc
86758	226	1.706,86 €	pc
86773	238	1.871,15 €	pc
86775	238	1.871,15 €	pc
86783	240	1.871,15 €	pc
86785	240	1.871,15 €	pc
86790	219	16,18 €	pc
86791	219	16,18 €	pc
86792	219	3,98 €	pc
86793	219	2,25 €	pc
86794	219	7,63 €	pc
86795	219	31,77 €	pc
86796	219	30,09 €	pc
86797	219	30,09 €	pc
86798	219	16,97 €	pc
86815	166	436,50 €	pc
86817	166	436,50 €	pc
86818	166	436,50 €	pc
86845	180	936,00 €	pc
86854	166	436,50 €	pc
86873	210	1.125,00 €	pc
86875	210	1.125,00 €	pc
86884	210	1.125,00 €	pc
86885	210	1.125,00 €	pc
86904	208	720,00 €	pc
86905	208	720,00 €	pc
86914	208	1.327,50 €	pc
86924	208	2.112,75 €	pc
86925	208	2.112,75 €	pc
86934	208	720,00 €	pc
86935	208	720,00 €	pc
86944	208	1.327,50 €	pc
86945	208	1.327,50 €	pc
86954	208	1.878,75 €	pc
86955	208	1.878,75 €	pc
86964	210	1.125,00 €	pc
86965	210	1.125,00 €	pc
86974	210	2.137,50 €	pc
86975	210	2.137,50 €	pc
86984	210	2.137,50 €	pc
86985	210	2.137,50 €	pc
86990	209	14,63 €	pc
86991	209	3,94 €	pc
86992	209	2,25 €	pc
86993	209	13,39 €	pc
86994	209	2,25 €	pc
86995	209	9,81 €	pc
86996	209	14,63 €	pc
86997	209	29,25 €	pc
87400	365	59,85 €	pc
87456	364	361,78 €	pc
87457	364	726,75 €	pc
87463	364	133,00 €	pc
87465	364	199,73 €	pc
87466	364	291,17 €	pc
87494	364	122,94 €	pc
88127	162	335,25 €	pc
88135	150	222,75 €	pc
88137	150	222,75 €	pc
88138	150	222,75 €	pc
88144	146	193,50 €	pc
88145	146	193,50 €	pc
88155	160	364,50 €	pc
88157	160	364,50 €	pc
88158	160	364,50 €	pc
88164	206	207,00 €	pc
88165	206	207,00 €	pc
88195	164	398,25 €	pc
88197	164	398,25 €	pc
88198	164	398,25 €	pc
88295	158	262,29 €	pc
88297	158	262,29 €	pc
88298	158	262,29 €	pc
88315	146	193,50 €	pc
88318	146	193,50 €	pc
88319	146	193,50 €	pc
88345	142	87,75 €	pc
88348	142	87,75 €	pc
88349	142	87,75 €	pc
88355	152	348,75 €	pc
88358	152	348,75 €	pc
88414	144	114,75 €	pc
88415	144	114,75 €	pc
88424	154	492,75 €	pc
88425	154	492,75 €	pc
88457	438	2.090,25 €	pc
88458	437	1.482,75 €	pc
88477	438	2.090,25 €	pc
88510	442	132,75 €	pc
88512	438	97,20 €	pc
88515	438	186,28 €	pc
88517	173	2,25 €	pc
88520	173	2,25 €	pc
88523	186	252,00 €	pc
88526	186	252,00 €	pc
88527	186	252,00 €	pc
88529	186	252,00 €	pc
88530	186	252,00 €	pc
88534	143	5,63 €	pc
88535	169	5,63 €	pc
88536	143	5,63 €	pc
88537	169	5,63 €	pc
88538	143	5,63 €	pc

Art. no.	page	price	PU
88539	169	3,04 €	pc
88540	142	137,25 €	pc
88541	142	137,25 €	pc
88542	142	137,25 €	pc
88543	142	137,25 €	pc
88544	142	87,75 €	pc
88545	142	87,75 €	pc
88546	168	146,25 €	pc
88549	216	288,00 €	pc
88552	151	3,38 €	pc
88553	153	3,38 €	pc
88554	152	348,75 €	pc
88555	152	348,75 €	pc
88556	168	238,50 €	pc
88557	153	8,33 €	pc
88558	153	8,33 €	pc
88560	204	164,25 €	pc
88561	204	164,25 €	pc
88562	204	164,25 €	pc
88563	204	164,25 €	pc
88564	204	146,25 €	pc
88565	204	146,25 €	pc
88566	216	200,25 €	pc
88567	205	2,25 €	pc
88568	217	2,25 €	pc
88569	205	2,25 €	pc
88626	187	3,49 €	pc
88628	232	335,25 €	pc
88645	153	9,45 €	pc
88646	153	9,45 €	pc
88647	153	9,45 €	pc
88648	153	9,45 €	pc
88651	143	10,58 €	pc
88652	143	9,45 €	pc
88653	143	9,45 €	pc
88654	143	9,45 €	pc
88655	143	9,45 €	pc
88656	143	9,45 €	pc
88657	143	9,45 €	pc
88658	169	9,45 €	pc
88659	143	10,58 €	pc
88660	143	10,58 €	pc
88662	143	9,45 €	pc
88663	143	9,45 €	pc
88664	143	9,45 €	pc
88665	143	9,45 €	pc
88666	143	9,45 €	pc
88667	143	9,45 €	pc
88668	169	9,45 €	pc
88669	217	2,25 €	pc
88670	205	4,50 €	pc
88671	205	2,25 €	pc
88672	217	2,25 €	pc
88695	178	391,50 €	pc
88763	127	154,35 €	pc
88764	127	154,35 €	pc
88765	127	154,35 €	pc

Art. no.	page	price	PU
88807	124	37,51 €	pc
88808	126	49,50 €	pc
88809	126	49,50 €	pc
88810	129	90,00 €	pc
88817	124	37,51 €	pc
88818	126	49,50 €	pc
88819	126	49,50 €	pc
88823	125	55,04 €	pc
88868	124	37,51 €	pc
88869	126	49,50 €	pc
88878	124	37,51 €	pc
88879	126	49,50 €	pc
88883	123	47,25 €	pc
88897	128	66,38 €	pc
88915	230	378,00 €	pc
88944	178	378,00 €	pc
88954	230	355,50 €	pc
88975	176	2,81 €	pc
88976	176	2,81 €	pc
88980	230	323,98 €	pc
88981	230	323,98 €	pc
88982	230	323,98 €	pc
88983	230	323,98 €	pc
88988	231	0,68 €	pc
88989	231	0,68 €	pc
88994	176	236,25 €	pc
88995	176	236,25 €	pc
88996	190	1.010,25 €	pc
88997	188	209,25 €	pc
89000	392	604,60 €	pc
89090	412	555,75 €	pc
89095	412	555,75 €	pc
89150	417	315,14 €	pc
89299	405	404,96 €	pc
89300	402	268,72 €	pc
89309	402	451,94 €	pc
89310	410	305,35 €	pc
89311	410	201,53 €	pc
89430	392	354,22 €	pc
89431	392	262,60 €	pc
89432	392	354,22 €	pc
89433	392	262,60 €	pc
89435	403	482,47 €	pc
89440	392	354,22 €	pc
89441	392	262,60 €	pc
89445	396	390,85 €	pc
89446	396	390,85 €	pc
89449	392	178,54 €	pc
89450	394	354,22 €	pc
89451	394	256,50 €	pc
89452	400	354,22 €	pc
89453	400	256,50 €	pc
89454	401	427,50 €	pc
89460	394	354,22 €	pc
89461	394	256,50 €	pc
89461	399	256,50 €	pc
89462	391	354,22 €	pc

Art. no.	page	price	PU
89463	391	256,50 €	pc
89465	397	390,85 €	pc
89466	397	390,85 €	pc
89467	393	720,00 €	pc
89468	393	519,75 €	pc
89469	394	188,46 €	pc
89469	399	188,46 €	pc
89470	408	106,88 €	pc
89471	408	109,94 €	pc
89472	409	166,12 €	pc
89476	411	192,98 €	pc
89477	411	177,10 €	pc
89478	411	158,78 €	pc
89479	411	201,53 €	pc
89480	411	164,90 €	pc
89483	408	63,52 €	pc
89484	408	195,44 €	pc
89485	408	195,44 €	pc
89488	409	80,62 €	pc
89490	409	234,52 €	pc
89491	411	12,22 €	pc
89500	390	903,85 €	pc
89501	404	250,40 €	pc
89502	444	29,25 €	pc
89509	406	312,44 €	pc
89510	404	293,15 €	pc
89540	395	427,50 €	pc
89555	407	219,85 €	pc
89560	395	427,50 €	pc
89578	411	201,53 €	pc
89579	411	219,85 €	pc
89600	434	141,30 €	pc
89999	205	20,18 €	pc
96815	208	1.327,50 €	pc
99007	115	1,30 €	pc
57210W	56	84,67 €	pc
57210WW	56	84,67 €	pc
57211W	57	88,78 €	pc
57211WW	57	88,78 €	pc
57400G	58	197,78 €	pc
57400R	58	197,78 €	pc
57401B	59	197,78 €	pc
57401G	59	197,78 €	pc
57401R	59	197,78 €	pc
57401W	59	197,78 €	pc
57401Y	59	197,78 €	pc
58281WW	55	167,26 €	pc
58285WW	55	167,26 €	pc
58289WW	55	167,26 €	pc
58291WW	54	147,24 €	pc
58295WW	54	147,24 €	pc
58299WW	54	147,24 €	pc
59400W	58	145,19 €	pc
59400WW	58	145,19 €	pc
59401WW	59	145,19 €	pc
ALU50371UWW	65	140,40 €	pc
ALU50371UWWD	65	151,20 €	pc

Art. no.	page	price	PU
ALU50371WW	65	140,40 €	pc
ALU50371WWD	65	151,20 €	pc
ALU50372UWW	65	140,40 €	pc
ALU50372UWWD	65	151,20 €	pc
ALU50372WW	65	140,40 €	pc
ALU50372WWD	65	151,20 €	pc
ALU50373UWW	65	144,00 €	pc
ALU50373UWWD	65	154,80 €	pc
ALU50373WW	65	144,00 €	pc
ALU50373WWD	65	154,80 €	pc
ALU50374UWW	65	144,00 €	pc
ALU50374UWWD	65	154,80 €	pc
ALU50374WW	65	144,00 €	pc
ALU50374WWD	65	154,80 €	pc
ALU50375UWW	65	144,00 €	pc
ALU50375UWWD	65	154,80 €	pc
ALU50375WW	65	144,00 €	pc
ALU50375WWD	65	154,80 €	pc
ALU50376UWW	65	145,80 €	pc
ALU50376UWWD	65	156,60 €	pc
ALU50376WW	65	145,80 €	pc
ALU50376WWD	65	156,60 €	pc
ALU50378UWW	65	145,80 €	pc
ALU50378UWWD	65	156,60 €	pc
ALU50378WW	65	145,80 €	pc
ALU50378WWD	65	156,60 €	pc
ALU50379UWW	65	145,80 €	pc
ALU50379UWWD	65	156,60 €	pc
ALU50379WW	65	145,80 €	pc
ALU50379WWD	65	156,60 €	pc
ALU53391NWD	11	121,79 €	pc
ALU53391NWOK	11	71,50 €	pc
ALU53391UWWD	11	121,79 €	pc
ALU53391UWWOK	11	71,50 €	pc
ALU53392UWWD	11	121,79 €	pc
ALU53392UWWOK	11	71,50 €	pc
ALU53393UWWD	11	124,45 €	pc
ALU53393UWWOK	11	74,16 €	pc
ALU53394UWWD	11	124,45 €	pc
ALU53394UWWOK	11	74,16 €	pc
ALU53395NWD	11	124,45 €	pc
ALU53395NWOK	11	74,16 €	pc
ALU53395UWWD	11	124,45 €	pc
ALU53395UWWOK	11	74,16 €	pc
ALU53396UWWD	11	127,22 €	pc
ALU53396UWWOK	11	76,93 €	pc
ALU53399UWWD	11	127,22 €	pc
ALU53399UWWOK	11	76,93 €	pc
ALU53471UWW	9	115,27 €	pc
ALU53471UWWD	9	115,27 €	pc
ALU53471UWWOK	9	64,98 €	pc
ALU53474UWW	9	116,78 €	pc
ALU53474UWWD	9	118,80 €	pc
ALU53474UWWOK	9	68,51 €	pc
ALU53475UWW	9	116,78 €	pc
ALU53475UWWD	9	118,80 €	pc
ALU53475UWWOK	9	68,51 €	pc

Art. no.	page	price	PU
ALU53479UWW	9	123,44 €	pc
ALU53479UWWD	9	124,52 €	pc
ALU53479UWWOK	9	74,23 €	pc
ALU54371WW	6	41,90 €	pc
ALU54471WW	6	50,18 €	pc
ALU54375WW	6	50,18 €	pc
ALU54475WW	6	60,01 €	pc
ALU55211	83	57,74 €	pc
ALU55215	83	73,44 €	pc
ALU55219	83	81,36 €	pc
ALU55221	83	66,17 €	pc
ALU55225	83	77,18 €	pc
ALU55229	83	86,33 €	pc
ALU55231	62	42,80 €	pc
ALU55235	62	46,98 €	pc
ALU55239	62	52,20 €	pc
ALU55341	94	13,43 €	pc
ALU55342	94	13,43 €	pc
ALU55343	94	15,84 €	pc
ALU55344	94	15,84 €	pc
ALU55345	94	15,84 €	pc
ALU55346	94	19,44 €	pc
ALU55349	94	19,44 €	pc
ALU55351	80	11,63 €	pc
ALU55352	80	11,63 €	pc
ALU55353	80	15,59 €	pc
ALU55354	80	15,59 €	pc
ALU55355	80	15,59 €	pc
ALU55356	80	18,68 €	pc
ALU55358	80	18,68 €	pc
ALU55359	80	18,68 €	pc
ALU55371	78	13,14 €	pc
ALU55372	78	13,14 €	pc
ALU55373	78	16,74 €	pc
ALU55374	78	16,74 €	pc
ALU55375	78	16,74 €	pc
ALU55376	78	17,57 €	pc
ALU55378	78	17,57 €	pc
ALU55379	78	17,57 €	pc
ALU55383	89	26,86 €	pc
ALU55384	89	26,86 €	pc
ALU55385	89	26,86 €	pc
ALU55391	80	17,28 €	pc
ALU55392	80	17,28 €	pc
ALU55393	80	21,96 €	pc
ALU55394	80	21,96 €	pc
ALU55395	80	21,96 €	pc
ALU55397	80	21,96 €	pc
ALU55399	80	29,52 €	pc
ALU55471	78	23,44 €	pc
ALU55472	78	23,44 €	pc
ALU55473	78	27,72 €	pc
ALU55474	78	27,72 €	pc
ALU55475	78	27,72 €	pc
ALU55476	78	30,96 €	pc
ALU55477	78	27,72 €	pc
ALU55479	78	30,96 €	pc

Art. no.	page	price	PU
ALU55480	76	45,96 €	pc
ALU55481	77	26,86 €	pc
ALU55482	77	26,86 €	pc
ALU55484	77	32,22 €	pc
ALU55485	77	32,22 €	pc
ALU55486	77	38,81 €	pc
ALU55488	77	35,68 €	pc
ALU55489	77	38,81 €	pc
ALU55541	85	21,60 €	pc
ALU55543	85	32,40 €	pc
ALU55544	85	32,40 €	pc
ALU55545	85	32,40 €	pc
ALU55546	85	39,24 €	pc
ALU55548	85	39,24 €	pc
ALU55549	85	39,24 €	pc
ALU55551	85	30,96 €	pc
ALU55552	85	30,96 €	pc
ALU55554	85	46,80 €	pc
ALU55555	85	46,80 €	pc
ALU55559	85	54,00 €	pc
ALU55591	93	62,78 €	pc
ALU55595	93	74,56 €	pc
ALU55599	93	78,48 €	pc
ALU55671	81	26,24 €	pc
ALU55674	81	30,60 €	pc
ALU55675	81	30,60 €	pc
ALU55678	81	33,12 €	pc
ALU55679	81	33,12 €	pc
ALU55681	81	26,64 €	pc
ALU55684	81	30,24 €	pc
ALU55685	81	30,24 €	pc
ALU55689	81	33,98 €	pc
ALU55711	86	124,45 €	pc
ALU55712	86	124,45 €	pc
ALU55721	86	161,82 €	pc
ALU55722	86	161,82 €	pc
ALU55731	86	218,05 €	pc
ALU55732	86	218,05 €	pc
ALU55771	79	13,14 €	pc
ALU55772	79	13,14 €	pc
ALU55773	79	16,74 €	pc
ALU55774	79	16,74 €	pc
ALU55775	79	16,74 €	pc
ALU55776	79	17,57 €	pc
ALU55778	79	17,57 €	pc
ALU55779	79	17,57 €	pc
ALU55781	79	13,14 €	pc
ALU55782	79	13,14 €	pc
ALU55783	79	16,74 €	pc
ALU55784	79	16,74 €	pc
ALU55785	79	16,74 €	pc
ALU55786	79	17,57 €	pc
ALU55788	79	17,57 €	pc
ALU55789	79	17,57 €	pc
ALU55801	82	76,14 €	pc
ALU55802	82	76,14 €	pc
ALU55804	82	107,93 €	pc

Art. no.	page	price	PU
ALU55805	82	107,93 €	pc
ALU55809	82	122,65 €	pc
ALU55811	82	76,64 €	pc
ALU55812	82	76,64 €	pc
ALU55814	82	122,33 €	pc
ALU55815	82	122,33 €	pc
ALU55819	82	122,65 €	pc
ALU55831	94	10,26 €	pc
ALU55832	94	10,26 €	pc
ALU55833	94	11,52 €	pc
ALU55834	94	11,52 €	pc
ALU55835	94	11,52 €	pc
ALU55839	94	12,96 €	pc
ALU55841	90	9,72 €	pc
ALU55842	90	9,72 €	pc
ALU55843	90	12,92 €	pc
ALU55844	90	12,92 €	pc
ALU55845	90	12,92 €	pc
ALU55846	90	14,40 €	pc
ALU55849	90	14,40 €	pc
ALU55861	91	27,76 €	pc
ALU55861BL	91	28,91 €	pc
ALU55862	91	23,00 €	pc
ALU55862BL	91	28,91 €	pc
ALU55864	91	32,72 €	pc
ALU55864BL	91	33,66 €	pc
ALU55865	91	32,72 €	pc
ALU55865BL	91	33,66 €	pc
ALU55867	91	32,72 €	pc
ALU55867BL	91	33,66 €	pc
ALU55868	91	32,72 €	pc
ALU55871	92	31,79 €	pc
ALU55873	92	33,84 €	pc
ALU55874	92	33,84 €	pc
ALU55875	92	33,84 €	pc
ALU55876	92	36,00 €	pc
ALU55878	92	36,00 €	pc
ALU55879	92	36,00 €	pc
ALU56371UWW	64	121,03 €	pc
ALU56371UWWD	64	123,44 €	pc
ALU56371WW	64	121,03 €	pc
ALU56371WWD	64	123,44 €	pc
ALU56372UWW	64	121,03 €	pc
ALU56372UWWD	64	123,44 €	pc
ALU56372WW	64	121,03 €	pc
ALU56372WWD	64	123,44 €	pc
ALU56373UWW	64	121,03 €	pc
ALU56373UWWD	64	123,44 €	pc
ALU56373WW	64	121,03 €	pc
ALU56373WWD	64	127,04 €	pc
ALU56374UWW	64	124,63 €	pc
ALU56374UWWD	64	127,04 €	pc
ALU56374WW	64	124,63 €	pc
ALU56374WWD	64	127,04 €	pc
ALU56375UWW	64	124,63 €	pc
ALU56375UWWD	64	127,04 €	pc
ALU56375WW	64	124,63 €	pc

Art. no.	page	price	PU
ALU56375WWD	64	127,04 €	pc
ALU56376UWW	64	125,46 €	pc
ALU56376UWWD	64	127,87 €	pc
ALU56376WW	64	125,46 €	pc
ALU56376WWD	64	127,87 €	pc
ALU56378UWW	64	125,46 €	pc
ALU56378UWWD	64	127,87 €	pc
ALU56378WW	64	125,46 €	pc
ALU56378WWD	64	127,87 €	pc
ALU56379UWW	64	125,46 €	pc
ALU56379UWWD	64	127,87 €	pc
ALU56379WW	64	125,46 €	pc
ALU56379WWD	64	127,87 €	pc
ALU57351DTWOK	7	67,03 €	pc
ALU57351NWD	10	117,32 €	pc
ALU57351NWOK	10	67,03 €	pc
ALU57351UWWD	10	117,32 €	pc
ALU57351UWWOK	10	67,03 €	pc
ALU57352DTWOK	7	67,03 €	pc
ALU57352UWWD	10	117,32 €	pc
ALU57352UWWOK	10	67,03 €	pc
ALU57353DTWOK	7	72,00 €	pc
ALU57353UWWD	10	122,29 €	pc
ALU57353UWWOK	10	72,00 €	pc
ALU57354DTWOK	7	72,00 €	pc
ALU57354UWWD	10	122,29 €	pc
ALU57354UWWOK	10	72,00 €	pc
ALU57355DTWOK	7	72,00 €	pc
ALU57355NWD	10	122,29 €	pc
ALU57355NWOK	10	72,00 €	pc
ALU57355UWWD	10	122,29 €	pc
ALU57355UWWOK	10	72,00 €	pc
ALU57356DTWOK	7	84,96 €	pc
ALU57356UWWD	10	135,25 €	pc
ALU57356UWWOK	10	84,96 €	pc
ALU57359DTWOK	7	84,96 €	pc
ALU57359UWWD	10	135,25 €	pc
ALU57359UWWOK	10	84,96 €	pc
ALU57371UWW	8	109,48 €	pc
ALU57371UWWD	8	111,89 €	pc
ALU57371UWWOK	8	61,60 €	pc
ALU57371WWD	8	109,48 €	pc
ALU57371WWOK	8	61,60 €	pc
ALU57372WWD	8	109,48 €	pc
ALU57372WWOK	8	61,60 €	pc
ALU57373WWD	8	115,09 €	pc
ALU57373WWOK	8	61,60 €	pc
ALU57374UWW	8	112,68 €	pc
ALU57374UWWD	8	115,09 €	pc
ALU57374UWWOK	8	64,80 €	pc
ALU57374WWD	8	115,09 €	pc
ALU57374WWOK	8	64,80 €	pc
ALU57375UWW	8	64,80 €	pc
ALU57375UWWD	8	115,09 €	pc
ALU57375UWWOK	8	64,80 €	pc
ALU57375WWD	8	115,09 €	pc
ALU57375WWOK	8	64,80 €	pc

Art. no.	page	price	PU
ALU57376WWD	8	118,69 €	pc
ALU57376WWOK	8	68,40 €	pc
ALU57379UWWD	8	118,69 €	pc
ALU57379UWWOK	8	68,40 €	pc
ALU57379WWD	8	118,69 €	pc
ALU57379WWOK	8	68,40 €	pc
ALU57671UWWOK	22	91,55 €	pc
ALU57675UWWOK	22	93,60 €	pc
ALU57679UWWOK	22	108,97 €	pc
ALU57681UWWOK	22	91,55 €	pc
ALU57685UWWOK	22	93,60 €	pc
ALU57689UWWOK	22	108,97 €	pc
ALU58271WW	13	199,91 €	pc
ALU58271WWD	13	202,32 €	pc
ALU58271WWOK	13	152,03 €	pc
ALU58275WW	13	203,51 €	pc
ALU58275WWD	13	205,92 €	pc
ALU58275WWOK	13	155,63 €	pc
ALU58371WW	13	211,72 €	pc
ALU58371WWD	13	214,13 €	pc
ALU58371WWOK	13	163,84 €	pc
ALU58372WW	13	211,72 €	pc
ALU58372WWD	13	214,13 €	pc
ALU58372WWOK	13	163,84 €	pc
ALU58373WW	13	217,08 €	pc
ALU58373WWD	13	219,49 €	pc
ALU58373WWOK	13	169,20 €	pc
ALU58374WW	13	217,08 €	pc
ALU58374WWD	13	219,49 €	pc
ALU58374WWOK	13	169,20 €	pc
ALU58375WW	13	217,08 €	pc
ALU58375WWD	13	219,49 €	pc
ALU58375WWOK	13	169,20 €	pc
ALU58376WW	13	215,64 €	pc
ALU58376WWD	13	218,05 €	pc
ALU58376WWOK	13	167,76 €	pc
ALU58379WW	13	218,05 €	pc
ALU58379WWOK	13	167,76 €	pc
ALU58481NWOK	14	67,39 €	pc
ALU58481UWWOK	14	67,39 €	pc
ALU58482NWOK	14	67,39 €	pc
ALU58482UWWOK	14	67,39 €	pc
ALU58485NWOK	14	70,09 €	pc
ALU58485UWWOK	14	70,09 €	pc
C57351UWWOK	12	67,03 €	pc
C57352UWWOK	12	67,03 €	pc
C57353UWWOK	12	72,00 €	pc
C57354UWWOK	12	72,00 €	pc
C57355UWWOK	12	72,00 €	pc
C57359UWWOK	12	84,96 €	pc
LED53501S	50	50,63 €	pc
LED53501WW	48	51,75 €	pc
LED53502S	50	92,25 €	pc
LED53502WW	48	83,25 €	pc
LED53503S	50	132,75 €	pc
LED53503WW	48	114,75 €	pc
LED55011WW	47	40,50 €	pc

Art. no.	page	price	PU
LED55013WW	47	40,50 €	pc
LED55014WW	47	40,50 €	pc
LED55019WW	47	40,50 €	pc
LED5501V4A	53	91,35 €	pc
LED55101WW	52	41,63 €	pc
LED55105WW	52	41,63 €	pc
LED55109WW	52	41,63 €	pc
LED55201WW	46	61,56 €	pc
LED55202WW	46	61,56 €	pc
LED55205WW	46	61,56 €	pc
LED55209WW	46	61,56 €	pc
LED55271WW	45	47,25 €	pc
LED55281WW	45	49,50 €	pc
LED55285WW	45	58,50 €	pc
LED55791WWOK	23	91,55 €	pc
LED55795WWOK	23	109,48 €	pc
LED55981	33	65,23 €	pc
LED55984	33	65,23 €	pc
LED55985	33	65,23 €	pc
LED55989	33	65,23 €	pc
LED56980WW	32	52,38 €	pc
LED56990WW	32	52,38 €	pc
LED57240B	60	141,19 €	pc
LED57240W	60	141,19 €	pc
LED57240WW	60	141,19 €	pc
LED57241B	60	141,19 €	pc
LED57241W	60	141,19 €	pc
LED57241WW	60	141,19 €	pc
LED57242B	60	141,19 €	pc
LED57242W	60	141,19 €	pc
LED57242WW	60	141,19 €	pc
LED57510WW	44	275,26 €	pc
LED57520WW	44	316,80 €	pc
LED57530WWOK	25	39,02 €	pc
LED57535WWOK	25	39,02 €	pc
LED57540WWOK	24	87,80 €	pc
LED57541WWOK	24	87,80 €	pc
LED57861WW	37	26,01 €	pc
LED57871WW	37	26,01 €	pc
LED57970UWW	26	385,96 €	pc
LED57971UWW	27	473,90 €	pc
LED57972UWW	28	449,50 €	pc
LED57973UWW	29	571,64 €	pc
LED57980W	35	52,88 €	pc
LED57982W	35	54,45 €	pc
LED57983RGB	36	118,19 €	pc
LED57983W	36	79,63 €	pc
LED57986WW	34	96,75 €	pc
LED57987WW	34	150,75 €	pc
LED57989W	32	43,88 €	pc
LED57989WW	32	43,88 €	pc
R55011	113	8,35 €	pc

Art. no.	page	price	PU
R55012	113	8,35 €	pc
R55013	113	8,75 €	pc
R55014	113	8,75 €	pc
R55015	113	8,75 €	pc
R55019	113	10,44 €	pc
R55031	97	5,94 €	pc
R55032	97	5,94 €	pc
R55033	97	7,20 €	pc
R55034	97	7,20 €	pc
R55035	97	7,20 €	pc
R55036	97	8,35 €	pc
R55038	97	8,35 €	pc
R55039	97	8,35 €	pc
R55041	113	13,10 €	pc
R55042	113	13,10 €	pc
R55043	113	13,68 €	pc
R55044	113	13,68 €	pc
R55045	113	13,68 €	pc
R55051	97	10,08 €	pc
R55052	97	10,08 €	pc
R55053	97	12,64 €	pc
R55054	97	12,64 €	pc
R55055	97	12,64 €	pc
R55056	97	13,86 €	pc
R55058	97	13,86 €	pc
R55059	97	13,86 €	pc
R55061	96	14,04 €	pc
R55064	96	17,86 €	pc
R55065	96	17,86 €	pc
R55080	100	12,71 €	pc
R55090	100	20,02 €	pc
R55110	101	21,60 €	pc
R55111	98	12,06 €	pc
R55112	98	12,06 €	pc
R55113	98	14,94 €	pc
R55114	98	14,94 €	pc
R55115	98	14,94 €	pc
R55116	98	17,64 €	pc
R55119	98	17,64 €	pc
R5511-V4A	102	36,00 €	pc
R55181	101	21,60 €	pc
R55361	88	21,31 €	pc
R55362	88	21,31 €	pc
R55364	88	28,80 €	pc
R55365	88	28,80 €	pc
R55369	88	32,40 €	pc
R5557-1	103	70,70 €	pc
R5557-V4A	103	70,70 €	pc
R5558-1	103	66,17 €	pc
R5558-V4A	103	66,17 €	pc
R55600	99	34,92 €	pc
R55601	99	34,92 €	pc

Art. no.	page	price	PU
R55610	99	72,00 €	pc
R55611	99	72,00 €	pc
R5563-1	104	97,20 €	pc
R5563-V4A	104	97,20 €	pc
R5564-1	104	92,56 €	pc
R5564-V4A	104	92,56 €	pc
R5566-1	105	91,55 €	pc
R5566-V4A	105	91,55 €	pc
R5569-1	105	85,07 €	pc
R5569-V4A	105	85,07 €	pc
R55881	107	30,02 €	pc
R55883	107	32,80 €	pc
R55884	107	32,80 €	pc
R55885	107	32,80 €	pc
R55889	107	34,13 €	pc
R55891	106	42,80 €	pc
R55893	106	51,19 €	pc
R55895	106	51,19 €	pc
R55904	106	50,18 €	pc
R55905	106	50,18 €	pc
R55909	106	60,01 €	pc
R55981	95	9,50 €	pc
R55984	95	12,20 €	pc
R55985	95	12,20 €	pc
R55989	95	13,32 €	pc
R55991	95	7,42 €	pc
R55993	95	9,40 €	pc
R55994	95	9,40 €	pc
R55995	95	9,40 €	pc
R55996	95	9,83 €	pc
R55999	95	9,83 €	pc
R57563HPWWOK	42	133,06 €	pc
R57564HPWWOK	42	133,06 €	pc
R57661UWWOK	43	133,06 €	pc
R5766HPUWWOK	43	133,06 €	pc
R5766V4AUWWOK	43	133,06 €	pc
R57691UWWOK	43	122,87 €	pc
R5769HPUWWOK	43	122,87 €	pc
R5769V4AUWWOK	43	122,87 €	pc
R57881UWWOK	38	66,89 €	pc
R57884UWWOK	38	69,70 €	pc
R57885UWWOK	38	69,70 €	pc
R57889UWWOK	38	70,24 €	pc
R57891DTWOK	41	113,44 €	pc
R57891UWWOK	40	113,44 €	pc
R57895DTWOK	41	128,81 €	pc
R57895UWWOK	40	128,81 €	pc
R57911UWWOK	39	66,60 €	pc
R57915UWWOK	39	76,14 €	pc
R57941UWWOK	39	66,60 €	pc
R57945UWWOK	39	76,14 €	pc

GENERAL PROVISIONS

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.

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.



AIDA Prima



AIDA Prima





Squashcenter Achim







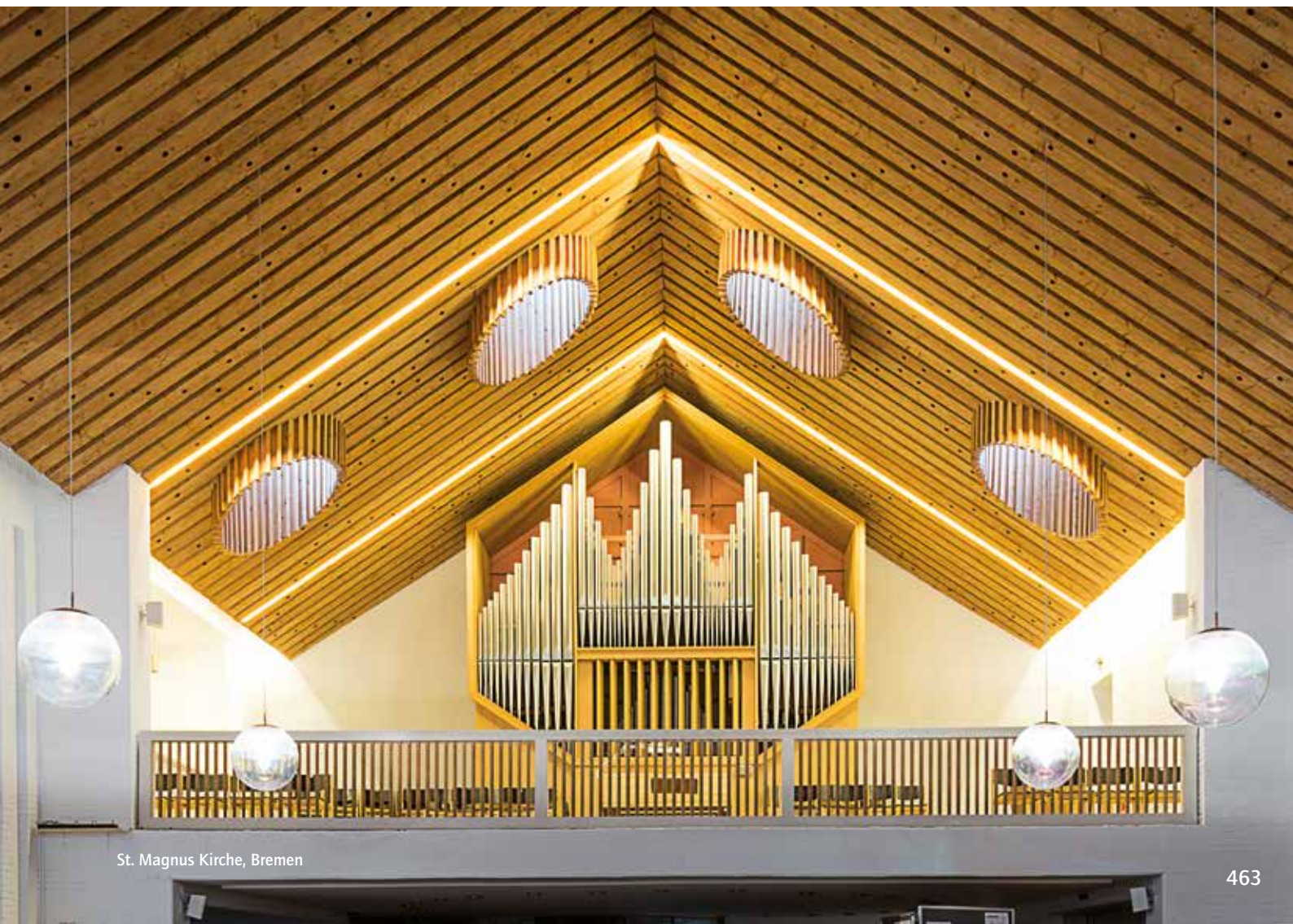
Seebrücke Niendorf, Timmendorfer Strand, Planning B & O, Hamburg, Installation: Elektrotechnik Werner Stuhr, Photo: Stefanie Bomhoff



St. Michael, Grohn



Kapuzinerkloster St. Magdalena, Altötting, Foto Mathis Beutel



St. Magnus Kirche, Bremen



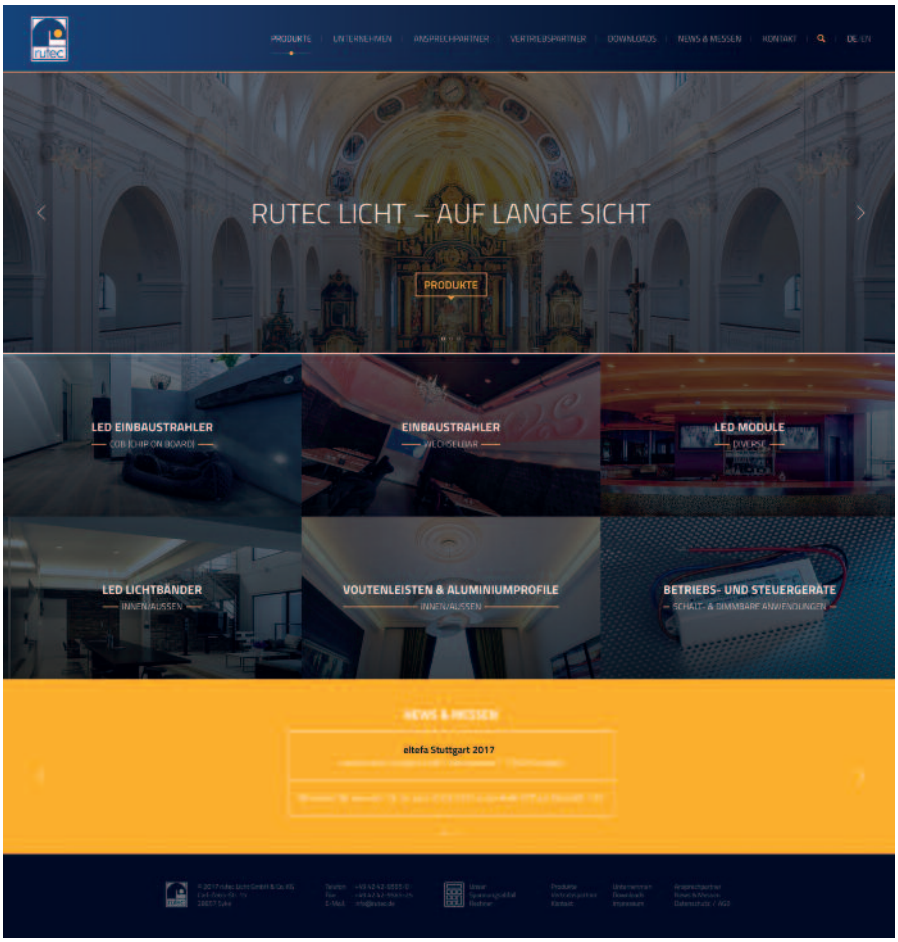




Coming Soon

Spring 2017

The new rutec Webpage relaunched
in April 2017



ATTENTION: Since summer 2016 there are no low-voltage halogen sockets aside recessed downlights for changeable lamps

If required please order separately Articel 55004 free of charge.



March 2017 · Technical alterations and errors are reserved.

rutec Licht GmbH & Co. KG

Carl-Zeiss-Str. 15 · 28857 Syke / Germany
Phone +49 (0)42 42 / 95 65-0
Fax +49 (0)42 42 / 95 65-25
e-mail: info@rutec.de · www.rutec.de