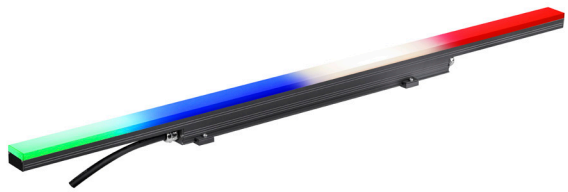
Our Brands

traxon e:cue OSRAM

ProPoint Kontour

INSTALLATION GUIDE

V1.0



Cover:

ProPoint Kontour Narrow RGB
ProPoint Kontour Wide RGB
ProPoint Kontour Narrow RGBW
ProPoint Kontour Wide RGBW
ProPoint Kontour Narrow Static White
ProPoint Kontour Wide Static White

CONTENT

SAFETY AND OPERATION

This installation guide uses the following special statement categories to alert you to key items:

1. ***WARNING -*** Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
2. ***CAUTION -*** Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
3. ***NOTICE -*** Indicates information considered important for the proper operation of the product but not hazard related.
4. Please review this manual completely prior to beginning the installation process and take note of the following:
   - The ProPoint luminaire and associated accessories must be installed by a qualified person in conjunction with all applicable electrical codes and standards.
   - The ProPoint luminaire does not contain any user-serviceable parts. Opening of the luminaire will void the warranty.
   - Do not use the product if the cables are damaged.
   - Handle the luminaire carefully to prevent damage during installation. Rough handling may damage the internal electronics and void the warranty.
   - Do not attempt installation in wet or severe weather conditions.
   - Do not stare directly into the light beam while the unit is illuminated.
   - IP66 rated. The ProPoint luminaire is not suitable for direct immersion in water.
   - Do not operate the ProPoint luminaire without a connection to earth surface without a suitable earth connection (refer to local standards).
   - The ProPoint luminaire is designed for operation at 120-277V AC (ETL)/220-240V AC (CE). Voltages outside of this range may damage the fixture and will void the warranty.
   - The ProPoint luminaire housing may become hot during normal operation and present a risk of burn injury and fire hazard. Exercise caution when working in proximity to the luminaire and make sure that combustible material does not contact the housing or lens.
   - Failure to keep the luminaire within the operating temperature range (-30°C to +55°C/-22°F to +131°F) will result in improper operation and will void the product warranty.
   - Do not use harsh chemicals, cleaning solvents or strong detergents when cleaning the luminaire.
   - Persons installing this product should make sure:
     i. The installation complies with all applicable codes, state and local laws, ordinances, standards and safety regulations.
     ii. The installation environment is carefully studied and suitable surge protection measure(s) is taken. Suggested surge protection measures for outdoor application should reach “Live to Neutral” 5kV, “Live/Neutral to Earth” 10kV.
     iii. All luminaires can pass surge test up to “Live to Neutral” 1kV, “Live/Neutral to Earth” 2kV according to EN61547 standard.
     iv. They are qualified or competent in the handling of electrical equipment.

1. INTRODUCTION

1.1 Product Overview

The Traxon Kontour is an AC line powered exterior luminaire used to distinguish facades, walls, and architectural borders with a concentrated, even radiance. ProPoint Kontour's compact, low-profile design is available in four lengths, two widths and is combined with a clip mounting system for efficient installation.

This manual is intended for use with DMX512 versions of the ProPoint Kontour.

Model	Length	Power Consumption (Typ.)	Available PXL Configuration
ProPoint Kontour Narrow	300mm / 12"	4W	• 300mm can be 1PXL • 600mm can be 1PXL or 2PXL • 1200mm can be 1PXL, 2PXL, or 4PXL • 2400mm can be 1PXL, 2PXL, 4PXL, or 8PXL • PXL Configuration is set during manufacturing, and is not adjustable on-site
	600mm / 24"	8W	
	1200mm / 48"	16W	
	2400mm / 96"	32W	
ProPoint Kontour Wide	300mm / 12"	5W	
	600mm / 24"	10W	
	1200mm / 48"	20W	
	2400mm / 96"	40W	

Features:

- Available lengths: 300mm / 12", 600mm / 24", 1200mm / 48", 2400mm / 96"
- Diffused lens cover / Round diffused lens cover
- Long Run Lengths up to 305m (1000 ft) @ 277V with ProPoint Kontour Narrow
- Long Run Lengths up to 240m (800 ft) @ 220-240V with ProPoint Kontour Narrow
- DMX512
- Daisy Chain System
- Outdoor Applications
    a. IP66-rated
    b. IK08 Impact Rating for ProPoint Kontour Narrow and IK07 Impact Rating for ProPoint Kontour Wide.
    c. ANSI 3G Rated
    d. Suitable for coastal environment

1.2 Getting Assistance

Additional product information is available on the Traxon web site:

- www.traxontechnologies.com & www.osram.us/traxon

For additional support, please contact Traxon Technical Support:

For Americas Regional Support:

- +1 (978) 570-3189 – Business Hours Technical Support
- +1 (978) 267-5346 – After Hours Technical Support
- TRXTechSupport2@osram.com

For Asia Pacific Regional Support

- info@traxontechnologies.com

For Europe, Middle East and Africa Regional Support

- info@ecue.com
- support@ecue.com

1.3 Dimensions

FIG.1: ProPoint Kontour Narrow

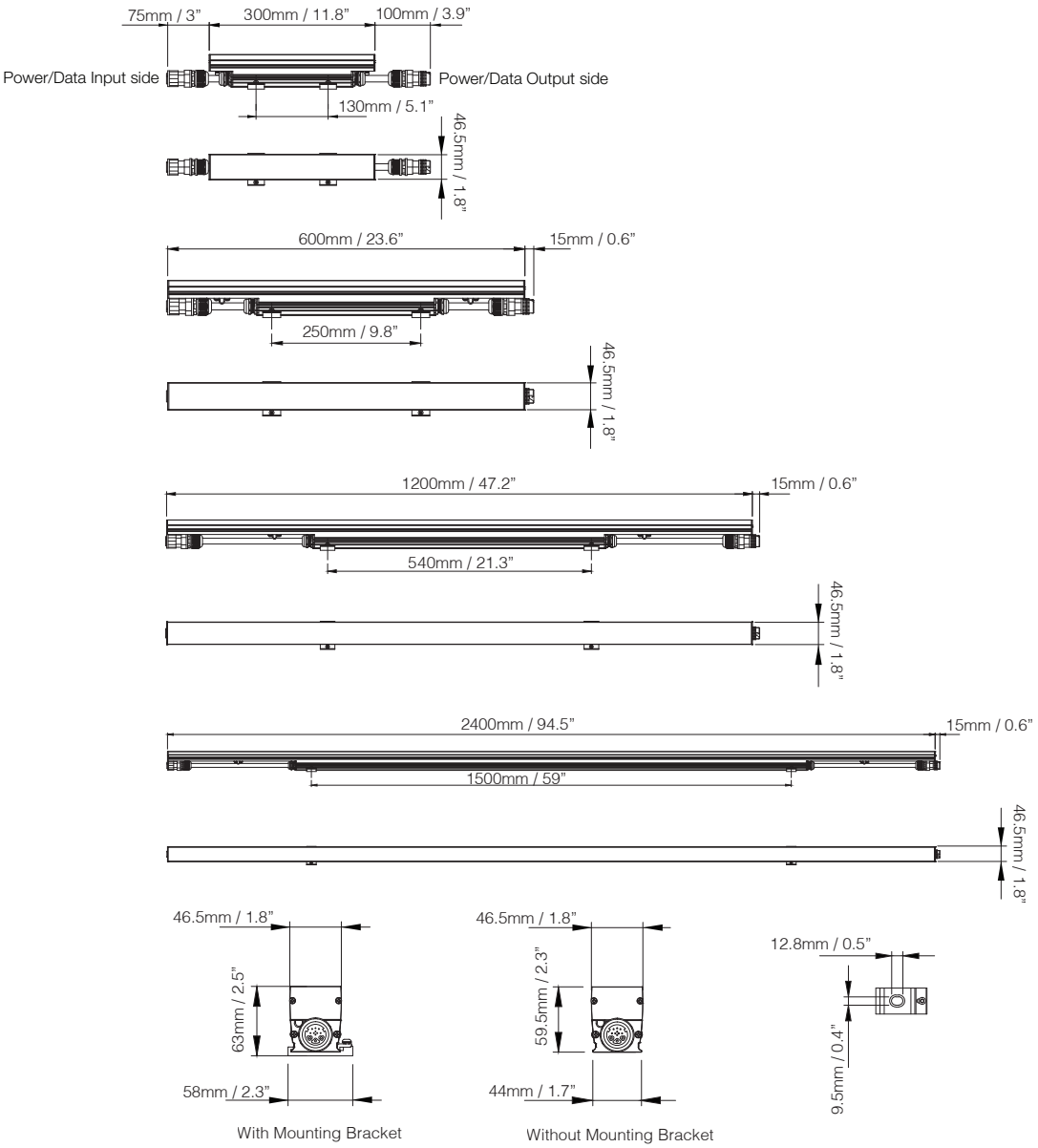
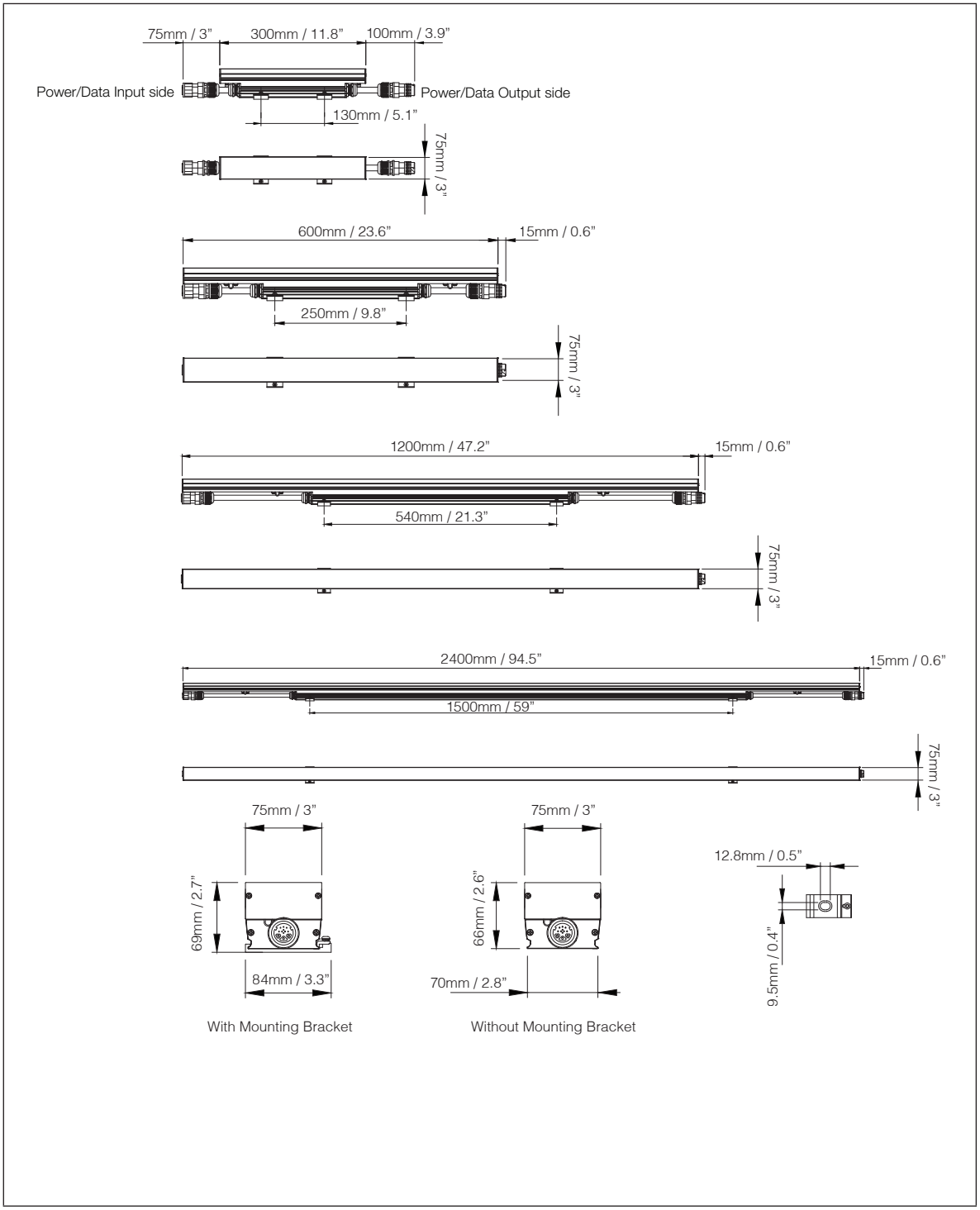


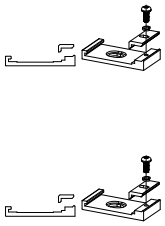
FIG.2: ProPoint Kontour Wide



1.4 Packing Contents

FIG.3: Packing Contents

ProPoint Kontour 300mm/12”, 600mm/24”, 1200mm/48”, 2400mm/96”
(Temporary waterproof end cap included)



2 × Mounting Bracket
(2 screws pre-installed, 1 screw for each)

1.5 Component Overview

Luminaire Options

The ProPoint Kontour is available in the following sizes:

Model	Model	Power Consumption (Typ.)	Power Factor	Input Voltage Range	Operating Temperature
Narrow	300mm / 12”	4W	≥0.9	120-277V AC 50/60 Hz (ETL) 220-240V AC 50/60 Hz (CE)	-30°C to +55°C / -22°F to +131°F
	600mm / 24”	8W			
	1200mm / 48”	16W			
	2400mm / 96”	32W			
Wide	300mm / 12”	5W			
	600mm / 24”	10W			
	1200mm / 48”	20W			
	2400mm / 96”	40W			

The in-rush current data of ProPoint Kontour is shown in the following tables:

NOTE

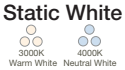
- n: the number of fixtures in the chain
- NW: Narrow
- WD: Wide
- F: Flat

Description	In-rush current @ 120V					Present time
Quantity	1 Fixture	2 Fixtures	3 Fixtures	…	n Fixtures	
300mm / 12” NW/WD	15A	30A	45A	...	n*15A	0.05ms
600mm / 24” NW/WD	15A	30A	45A	...	n*15A	0.05ms
1200mm / 48” NW/WD	9.7A	19.4A	29.1A	...	n*9.7A	0.8ms
2400mm / 96” NW	9.7A	19.4A	29.1A	...	n*9.7A	0.8ms
2400mm / 96” WD	11A	22A	33A	...	n*11A	0.8ms

Description	In-rush current @ 230V					Present time
Quantity	1 Fixture	2 Fixtures	3 Fixtures	…	n Fixtures	
300mm / 12” NW/WD	30A	60A	90A	...	n*30A	0.05ms
600mm / 24” NW/WD	30A	60A	90A	...	n*30A	0.05ms
1200mm / 48” NW/WD	19.8A	39.6A	59.4A	...	n*19.8A	0.8ms
2400mm / 96” NW	19.8A	39.6A	59.4A	...	n*19.8A	0.8ms
2400mm / 96” WD	23.9A	47.8A	71.7A	...	n*23.9A	0.8ms

Description	In-rush current @ 277V					Present time
Quantity	1 Fixture	2 Fixtures	3 Fixtures	…	n Fixtures	
300mm / 12” NW/WD	36A	72A	108A	...	n*36A	0.05ms
600mm / 24” NW/WD	36A	72A	108A	...	n*36A	0.05ms
1200mm / 48” NW/WD	21.4A	42.8A	64.2A	...	n*21.4A	0.8ms
2400mm / 96” NW	21.4A	42.8A	64.2A	...	n*21.4A	0.8ms
2400mm / 96” WD	24A	48A	72A	...	n*24A	0.8ms

The ProPoint Kontour is available with the following color options:

Model	Color Options	Lens Options	DMX Control Channels[2]	Color Temperature
Narrow	Color Changing (RGBW) 		Ch1: Red Ch2: Green Ch3: Blue Ch4: White	RGBW (White: 4000K standard)
	Color Changing (RGB) 		Ch1: Red Ch2: Green Ch3: Blue	16.7 million additive RGB colors
	Static White 		Ch1: White	3000K / 4000K Standard (2200K, 2700K, 3500K, 5000K, 6500K, Red, Green, Blue, Amber available[1])
Wide	Color Changing (RGBW) 		Ch1: Red Ch2: Green Ch3: Blue Ch4: White	RGBW (White: 4000K standard)
	Color Changing (RGB) 		Ch1: Red Ch2: Green Ch3: Blue	16.7 million additive RGB colors
	Static White 		Ch1: White	3000K / 4000K Standard (2200K, 2700K, 3500K, 5000K, 6500K, Red, Green, Blue, Amber available[1])

1. No MOQ required. Please consult regional sales office for pricing and lead time.
2: There is no “Master Dim” channel.

2. INSTALLATION

2.1 Points to Consider

Plan your installation before mounting ProPoint Kontour RGB / RGBW / Static White.

The following should be considered for a successful installation:

- Weather conditions and ambient temperature of installation site.
- Installation distances and appropriate cable lengths. Please consult your local Traxon™ office or authorized agent for necessary aid.
- The number of ProPoint Kontour and Data Injectors and appropriate power sources.
- DMX512 controller to be used to control the ProPoint Kontour.
- Distance between each ProPoint Kontour for thermal expansion.
- Proper surge protection.
- If not beginning installation at the Data Injector, ensure that the layout of the luminaire input and output connections are in the correct orientation.

2.2 Pre-Installation Checks

2.2.1 Installation Checklist

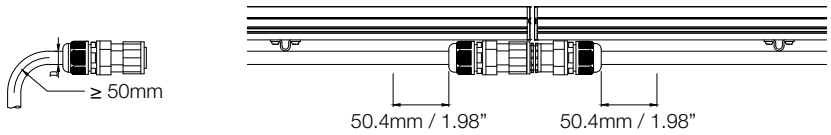
1. Perform visual check of ProPoint Kontour. Take care not to damage cables/connectors during pre-installation checks.
2. Prepare cables and all necessary accessories (mounting brackets, temporary waterproof end caps etc).
3. Connect the luminaires, data injectors and power supplies in accordance with the wiring diagram.
4. Report any functional defect found to your nearest Traxon Technologies office. DO NOT attempt to install a ProPoint Kontour with functional defects on-site.
5. Ensure all pre-installation checks laid out below have been followed.
6. If this installation is to be left in an incomplete state overnight, ensure that all connectors and cables are properly protected using dust/end caps as required. Any unused materials should be left in an indoor environment.
    a. Ensure that all connected ProPoint Kontour fixtures/data injectors outdoors with an open connector are secured with an end cap (purchased separately) to keep all ports sealed.
    b. Ensure all of the Interconnection Cables, ProPoint Kontour, and Data Injectors are initially stored in a dry area to guarantee the complete sealing of the system from water before installation.

2.2.2 Cable Bending

Cable bend radius must NOT be less than the Minimum Bending Radius (4 x Cable Diameter) as specified by cable manufacturer and the Non-Bendable Length of 5cm near the connector end MUST be adhered to. In addition to the Minimum Bending Radius, ensure that 5cm of cable at the connector junction is kept straight – see image below:

To reduce stress induced on ProPoint Kontour, please adhere to the Minimum Bending Radius of 50.4 mm (2”) and the Non-Bendable Length of 50.4mm (2”) near the connector. It is recommended to install lead cables through conduits/trunking.

FIG.4: Cable Bending

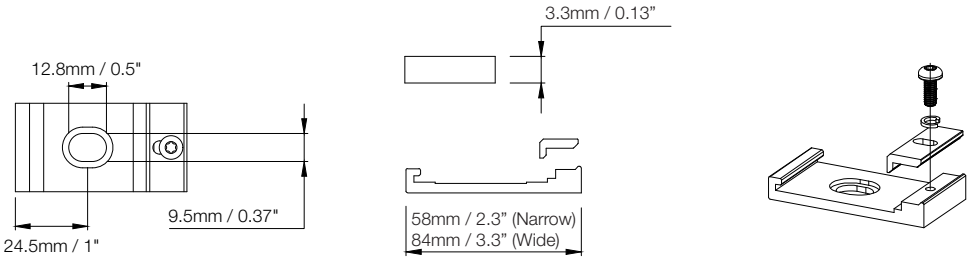


Minimum Bending Radius

Non-Bendable Length

2.2.3 Mounting Bracket

FIG.5: Mounting Bracket



2.2.4 Installation Sequence

1. Plan for any possible bending of cables (see “2.2.2 Cable Bending”).
2. Measure the correct distances for mounting bracket holes.
3. Connect ProPoint Kontour in the daisy chain manner outlined in the system diagram/wiring diagram to form a complete chain.
4. Perform a visual check of the complete system to ensure all parts of the system are properly connected.
5. Perform a functional check (e.g. turn on and off the luminaire) to ensure that all of the luminaires operate correctly under control.

2.3 On-Site Installation

- DO NOT attempt installation in wet or severe weather conditions.
- DO NOT leave and expose any ProPoint Kontour or Data Injectors unconnected under wet / dusty / raining or snowing environment.
- IP failure induced by stressed/damaged cables during or after installation will not be covered under warranty by Traxon Technologies.
- ALWAYS keep the cables protected from sharp objects and ensure no damage is present on the cable.
- Failure to keep ProPoint Kontour within the operating temperature range of –30°C to +55°C / –22°F to +131°F and storage temperature range of –40°C to +80°C / –40°F to +176°F will invalidate the product’s warranty.

2.3.1 Luminaire Interconnections

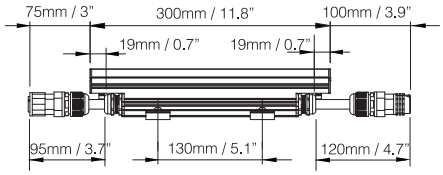
The ProPoint Kontour was designed to provide a concentrated, even radiance of light over long run lengths, up to 305m / 1000ft per Data Injector. This design allows for less power feeds, and simplifies installation.

To ensure that there are no voltage drops over the distance of each run, ProPoint Kontour was designed with a large-diameter cable. While the large-diameter cable ensures no voltage drop, it does limit the movement of the cable and has special requirements that must be taken into consideration when arranging the product layout as below:

Please reference figure 8 below on the minimum spacing between luminaires.

Fixture Length: 300mm / 12”

Standard cable length on condition that the spacing is 4mm / 0.16” (Min.)

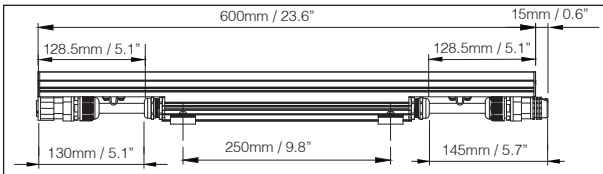


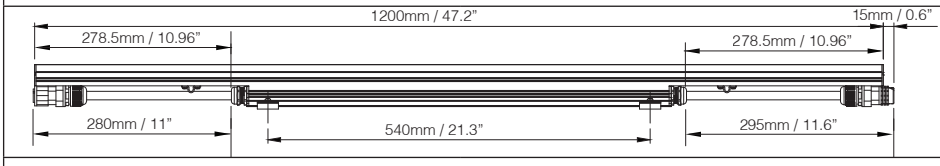
Interconnection Limitation

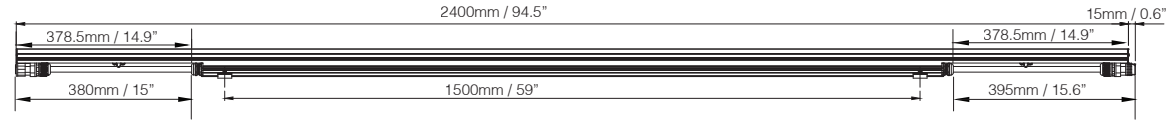
- 300mm / 12” Kontour cannot be connected end-to-end with any other Kontour luminaire and achieve the minimum distance of 4mm / 0.16” spacing between fixtures. See the below chart for the connection limitations.
- If the 300mm / 12” luminaire is required, it must be positioned next to a 1200mm / 48” or 2400mm / 96” luminaire that has been customized with shortened input/output cables.

Fixture Length: 600mm / 24”, 1200mm / 48”, 2400mm / 96”

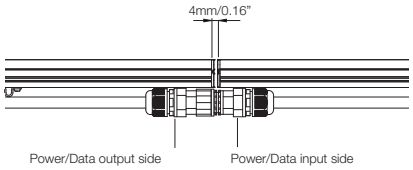
Standard cable length on condition that the spacing is 4mm / 0.16” (Min.)







Interconnection Limitation

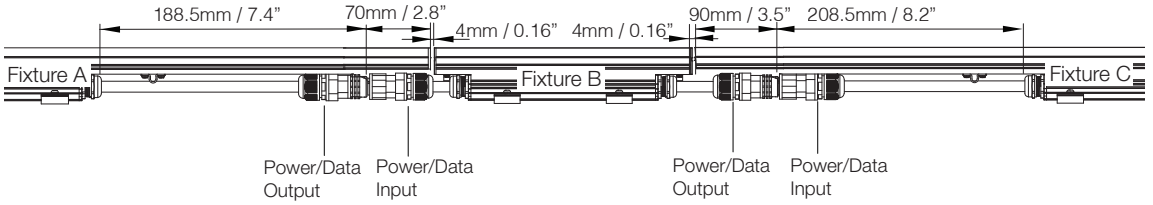


- 600mm / 24”, 1200mm / 48” and 2400mm / 96” Kontour luminaire’s can be interconnected end-to-end to allow a 4mm / 0.16” spacing.

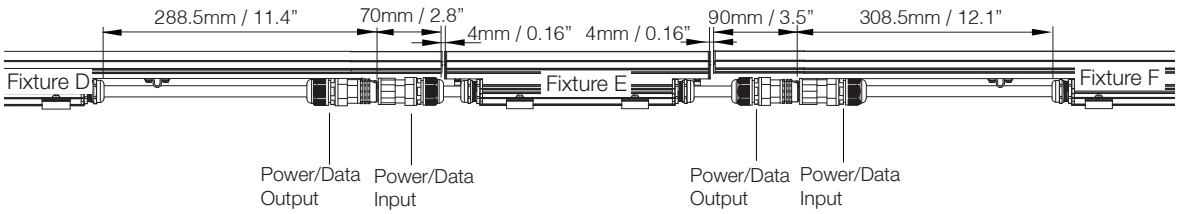
300mm fixture connecting with other length units:

Fixture Wiring Illustration	Possibility	Connection description (Ensure the Min. 4mm Spacing)	Remarks
300mm / 12” & 300mm / 12”	×	300mm / 12” Kontour cannot be connected end-to-end with another 300mm / 12” luminaire to achieve the minimum distance of 4mm / 0.16” spacing between fixtures.	Min.Space: 65.59mm
300mm / 12” & 1200mm /48”	√	300mm / 12” & 1200mm / 48” Kontour can be connected end-to-end to achieve the minimum distance of 4mm / 0.16” spacing between fixtures. This however requires a customized version of the 1200mm / 48” with a shortened input cable, output cable, or both, depending on project needs.	Min.Space: 94.10mm
300mm / 12” & 2400mm / 96”	√	300mm / 12” & 2400mm / 96” Kontour can be connected end-to-end to achieve the minimum distance of 4mm / 0.16” spacing between fixtures. This however requires a customized version of the 2400mm / 96” with a shortened input cable, output cable, or both, depending on project needs.	

If wiring 1200mm / 48” + 300mm / 12” + 1200mm / 48”, the output cable of Fixture A must be reduced, and the input cable of Fixture C must be reduced.



If wiring 2400mm / 96” + 300mm / 12” + 2400mm / 96”, the output cable of Fixture D must be reduced, and the input cable of Fixture F must be reduced.



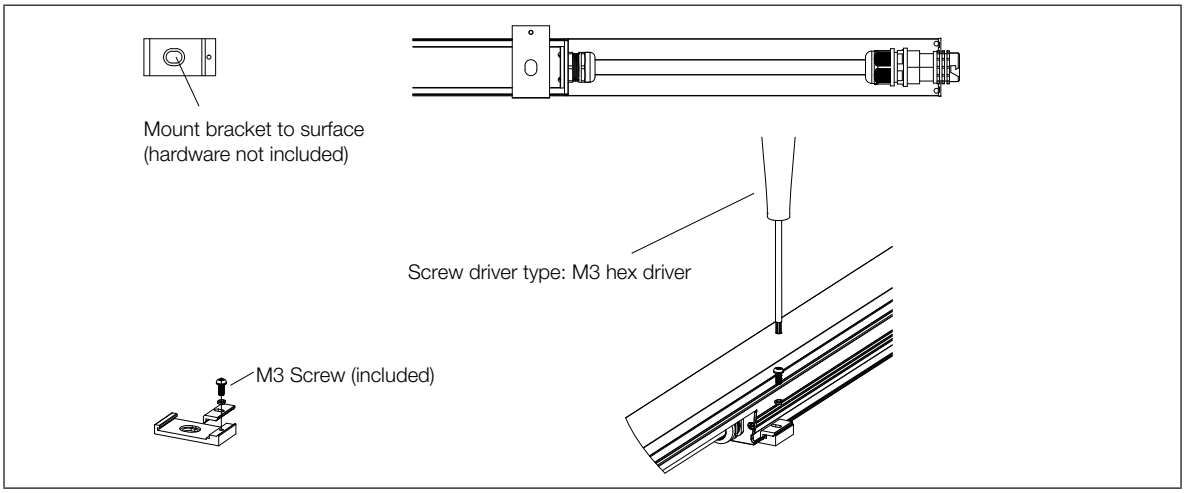
Conclusion:

The customer should work closely with your regional Traxon representative to ensure the product layout meets the project needs.

2.3.2 Mounting Bracket

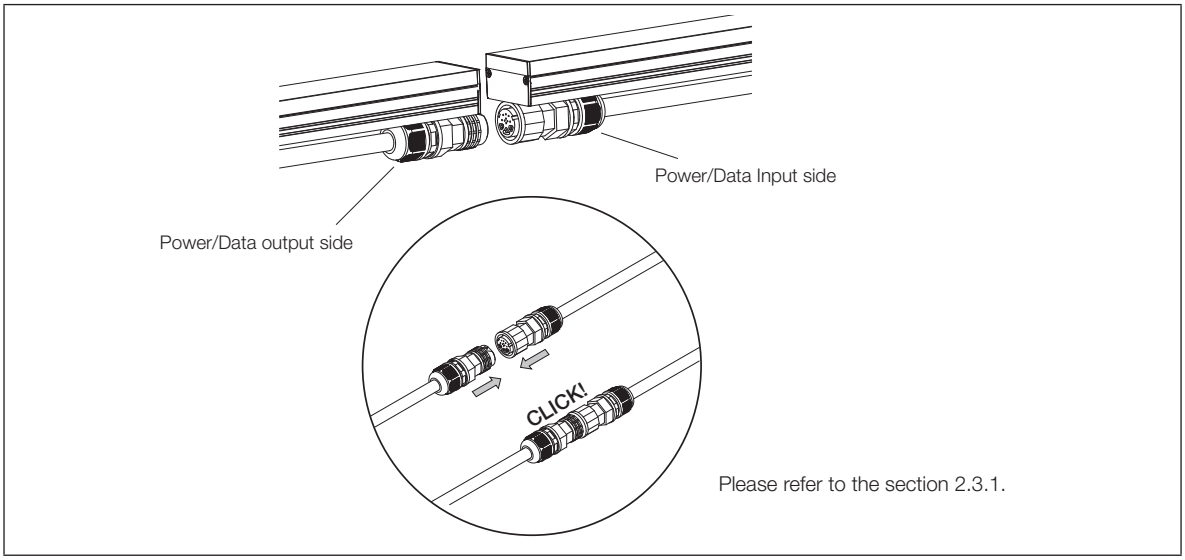
1. Affix mounting bracket to installation surface with anchor bolts. Anchor bolt head cannot protrude beyond 3mm above bracket.

FIG.6: Mounting Bracket to Surface



2. Unplug the dust caps/waterproof end caps and keep them safe for future use.
3. Fully connect all ProPoint Kontour connection cables one after the other and begin from the data injector. Do not work on the other unit's connections until the first unit under installation is properly connected. (see "FIG.7: Connect All ProPoint Kontour").

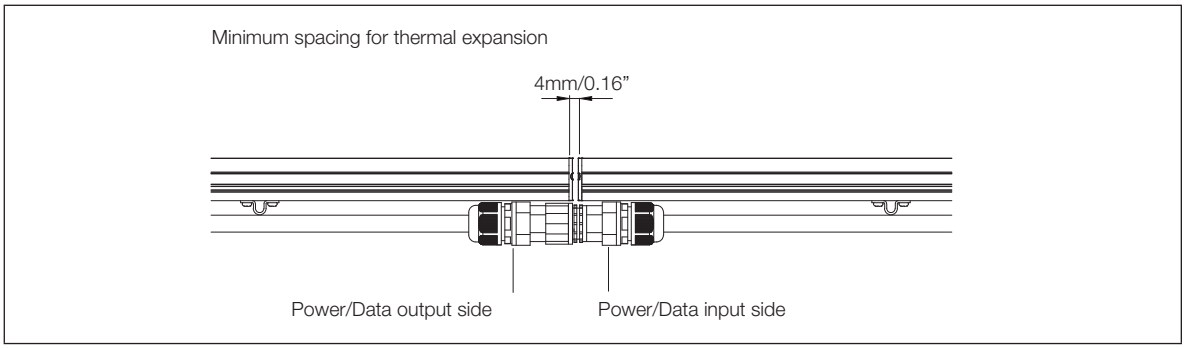
FIG.7: Connect All ProPoint Kontour



NOTE

- Be sure not to compress the IN/OUT cables (see "2.2.2 Cable Bending").
- To keep LED pitch consistent and allow for thermal expansion, be sure to keep a minimum distance of 4mm (0.16") between consecutive ProPoint Kontour (see "FIG.8: Minimum Distance").

FIG.8: Minimum Distance



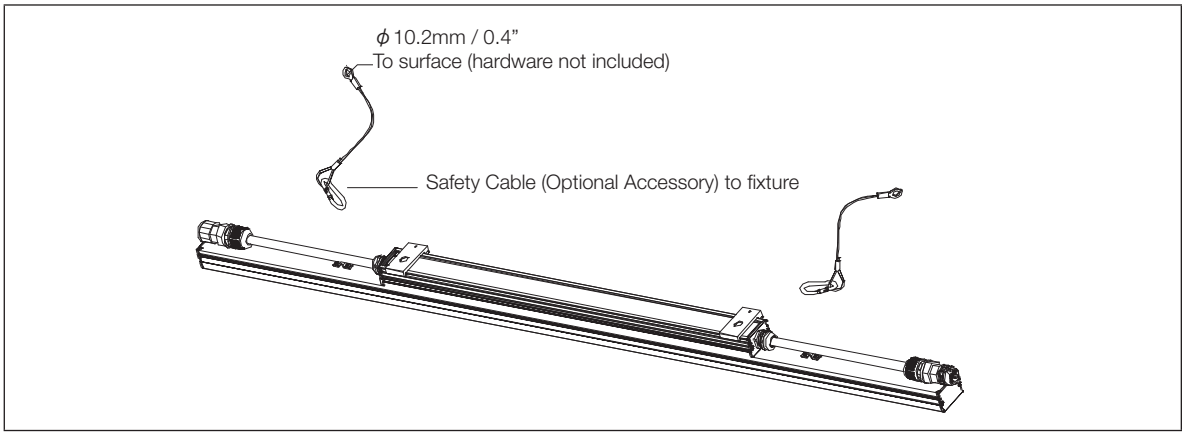
4. Attach the terminator end cap on last ProPoint Kontour in run.

2.4 Accessories Installation

Safety Wire Installation Method

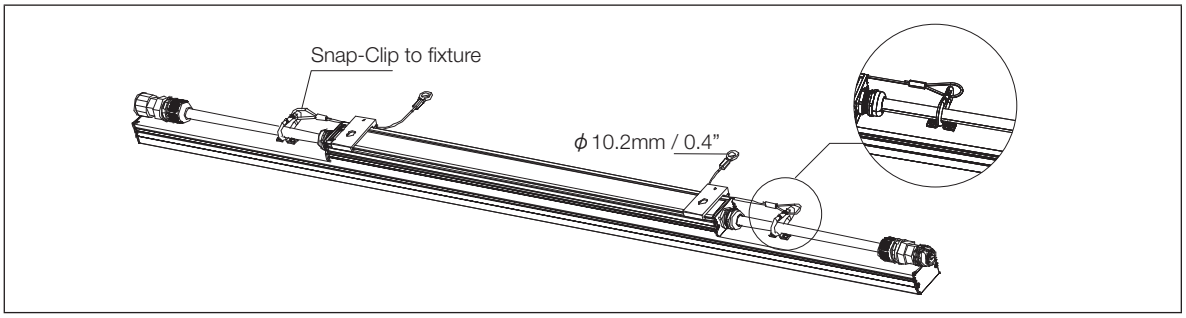
1. Affix safety cable eyelet to installation surface with anchor bolts. DO NOT ANCHOR SAFETY CABLE WITH THE SAME BOLT AS MOUNTING BRACKET!

FIG.9: Safety Cable to Surface



2. Attach safety cable to ProPoint Kontour using the snap clip.

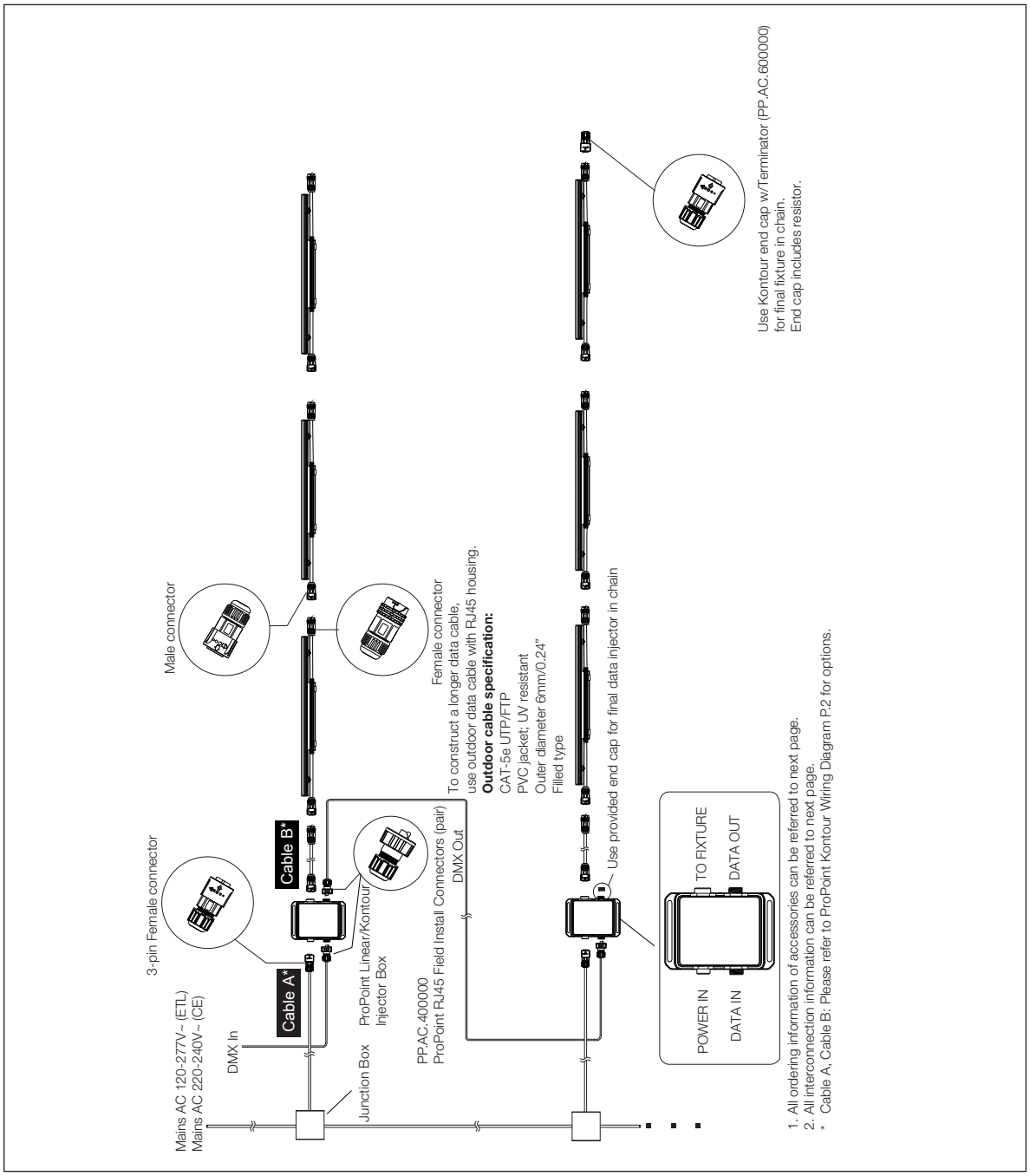
FIG.10: Safety Cable to ProPoint Kontour



3. SYSTEM CONFIGURATION

3.1 Wiring Diagram

FIG.11: System Wiring Diagram Details



Wiring Information Details

ProPoint Kontour Narrow-CE

Model	Power Consumption (Typ.)	Input Voltage	Max Connected Chain
300mm / 12”	4W	220-240V	512
600mm / 24”	8W	220-240V	400
1200mm / 48”	16W	220-240V	200
2400mm / 96”	32W	220-240V	100

ProPoint Kontour Narrow-ETL

120V

Model	Power Consumption (Typ.)	Input Voltage	Max Connected Chain
300mm / 12”	4W	120V	432
600mm / 24”	8W	120V	216
1200mm / 48”	16W	120V	108
2400mm / 96”	32W	120V	54

277V

Model	Power Consumption (Typ.)	Input Voltage	Max Connected Chain
300mm / 12”	4W	277V	512
600mm / 24”	8W	277V	500
1200mm / 48”	16W	277V	250
2400mm / 96”	32W	277V	125

ProPoint Kontour Wide-CE

Model	Power Consumption (Typ.)	Input Voltage	Max Connected Chain
300mm / 12”	5W	220-240V	512
600mm / 24”	10W	220-240V	320
1200mm / 48”	20W	220-240V	150
2400mm / 96”	40W	220-240V	80

ProPoint Kontour Wide-ETL

120V

Model	Power Consumption (Typ.)	Input Voltage	Max Connected Chain
300mm / 12”	5W	120V	344
600mm / 24”	10W	120V	172
1200mm / 48”	20W	120V	86
2400mm / 96”	40W	120V	43

277V

Model	Power Consumption (Typ.)	Input Voltage	Max Connected Chain
300mm / 12”	5W	277V	512
600mm / 24”	10W	277V	400
1200mm / 48”	20W	277V	200
2400mm / 96”	40W	277V	100

Accessories (ETL / CE)

	Model No.	Description	Item Code
	PP.AC.100001	PROPOINT LINEAR/KONTOUR INJECTOR BOX	AM374890055
	PP.AC.100002	PROPOINT LINEAR/KONTOUR INJECTOR BOX BL	AM374900055
	PP.AC.100003	PROPOINT LINEAR/KONTOUR INJECTOR BOX WT	AM374910055
	PP.AC.600000	PP LIN/KON END CAP W/ TERM.	AM380550055
	PP.AC.400000	PROPOINT RJ45 FIELD INSTALL CONNECTORS (PAIR)	AM380560055

Accessories (CE)

Cable Type	Model No.	Description	Item Code
Cable A*	**PP. A2.303000**	3M PP LINEAR POWER INPUT CABLE CE	AM374840055
Cable B*	**KO.KB.610000**	10M KONTOUR PWR/DATA INT CBL CE	AM357520155
Cable B*	**KO.KB.601000**	1M KONTOUR PWR/DATA INT CBL CE	AM357490155
Cable B*	**KO.KB.602000**	2M KONTOUR PWR/DATA INT CBL CE	AM357500155
Cable B*	**KO.KB.603000**	3M KONTOUR PWR/DATA INT CBL CE	AM357510155

Accessories (ETL)

Cable Type	Model No.	Description	Item Code
Cable A*	**PP. A1.303000**	3M PP LINEAR POWER INPUT CABLE ETL	AM374840155
Cable B*	**KO.KA.610000**	10M KONTOUR PWR/DATA INT CBL ETL	AM357520055
Cable B*	**KO.KA.601000**	1M KONTOUR PWR/DATA INT CBL ETL	AM357490055
Cable B*	**KO.KA.602000**	2M KONTOUR PWR/DATA INT CBL ETL	AM357500055
Cable B*	**KO.KA.603000**	3M KONTOUR PWR/DATA INT CBL ETL	AM357510055

* All cables come pre-wired with male / female connectors.

3.2 Luminaire Addressing and Control

3.2.1 Luminaire Control

Standard configuration is set to control every 12” / 300mm. The pixel configuration can be set at the factory to those listed in the table below:

Model	Length	Available PXL Configuration
ProPoint Kontour Narrow	300mm / 12”	• 300mm can be 1PXL • 600mm can be 1PXL or 2PXL • 1200mm can be 1PXL, 2PXL, or 4PXL • 2400mm can be 1PXL, 2PXL, 4PXL, or 8PXL • PXL Configuration is set during manufacturing, and is not adjustable on-siteL
	600mm / 24”	
	1200mm / 48”	
	2400mm / 96”	
ProPoint Kontour Wide	300mm / 12”	
	600mm / 24”	
	1200mm / 48”	
	2400mm / 96”	

3.2.2 Luminaire Addressing and Control

The ProPoint Kontour Narrow and Wide utilize 3 DMX channels for RGB, 4 DMX channels for RGBW and 1 DMX channel for Static White per Pixel.

The ProPoint Kontour is shipped with a default DMX address of 001.

The ProPoint Kontour benefits from an auto-addressing functionality to simplify the setup and commissioning of the project:

- On startup, the ProPoint Data Injector automatically senses all Kontour luminaire's connected to it.
- The ProPoint Data Injector automatically addresses each luminaire, starting at the first unit closest to the Data Injector.
- Each Data Injector consumes 512 DMX channels regardless of connected fixture count. Maximum number of Data Injector units per DMX-512 universe depends on number of fixtures per Data Injector.
- Any standard DMX output device can be utilized with Kontour.
- Using the DMX Out from the ProPoint Data Injector to the DMX In of another ProPoint Data Injector will repeat the signal. The ProPoint Data Injector cannot sense the address of the last fixture of the previous Data Injector and continue the next address.

ProPoint Power-Up and Loss of Data Behavior

The ProPoint Kontour will exhibit the following behavior upon power-up and loss of DMX data:

Power-Up with no DMX data present	Luminaire will illuminate at full power
Power-Up with DMX data present	Luminaire will respond based on the DMX values being received
Loss of DMX data	Luminaire will hold the last valid DMX values received until a power cycle or until DMX is restored.

DMX Channel Functions

RGBW Unit

DMX Channel	Function
1	Red Intensity
2	Green Intensity
3	Blue Intensity
4	White Intensity

RGB Unit

DMX Channel	Function
1	Red Intensity
2	Green Intensity
3	Blue Intensity

White Unit

DMX Channel	Function
1	White Intensity

4. CARE AND MAINTENANCE

- Traxon™ products are of superior design and quality and should be treated with care. The recommendations below will help fulfill any warranty obligations and gain good use and longevity from the products.
- Do not attempt or use the product(s) until you read and understand the installation instructions. Failure to adhere to these instructions could result in serious injury or property damage.
- Do not use product(s) if cables are damaged.
- Do not connect cables and connectors when wet or in wet area. Moisture on bare connectors can cause electric shock and damage to product(s).
- Do not use product(s) in extreme heat environment. Ensure there is sufficient airflow and use cool air circulation if required.
- Do not drop, knock, or shake product(s). Rough handling can damage the electronics and void the warranty.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean products. Wipe with a damp cloth on housings and a dry cloth on electronics to remove dirt or dust.
- Do not attempt to service or repair the product(s) unless done by an authorized service personnel. Contact your local Traxon office or distributor for details.
- If the product is not working as specified, please contact your nearest authorized service center or Traxon Technologies office for assistance.

5. TECHNICAL SPECIFICATION

RGBW Narrow

		300mm / 12”	600mm / 24”	1200mm / 48”	2400mm / 96”
Color Range		RGBW (White: 4000K)			
Beam Angle		120°			
Power Input		120-277V AC 50/60Hz (ETL) / 220-240V AC 50/60Hz (CE)			
Power Consumption		4W	8W	16W	32W
Weight		0.9 kg / 2 lbs.	1.3 kg / 2.9 lbs.	2.1 kg / 4.6 lbs.	3.8 kg / 8.4 lbs.
EPA (sq.ft)	Front	0.032			
	Side	0.258	0.392	0.787	1.575
	Front 45°	0.1824	0.2771	0.5564	1.1135
Operating Temperature		-30°C to +55°C / -22°F to +131°F			
Storage Temperature		-40°C to +80°C / -40°F to +176°F			

RGBW Wide

		300mm / 12”	600mm / 24”	1200mm / 48”	2400mm / 96”
Color Range		RGBW (White: 4000K)			
Beam Angle		120°			
Power Input		120-277V AC 50/60Hz (ETL) / 220-240V AC 50/60Hz (CE)			
Power Consumption		5W	10W	20W	40W
Weight		1.1 kg / 2.4 lbs.	1.5 kg / 3.3 lbs.	2.30 kg / 5.1 lbs.	4 kg / 8.8 lbs.
EPA (sq.ft)	Front	0.056			
	Side	0.290	0.467	0.869	1.739
	Front 45°	0.2050	0.3302	0.6144	1.2295
Operating Temperature		-30°C to +55°C / -22°F to +131°F			
Storage Temperature		-40°C to +80°C / -40°F to +176°F			

RGB Narrow

		300mm / 12”	600mm / 24”	1200mm / 48”	2400mm / 96”
Color Range		16.7 million additive RGB colors			
Beam Angle		120°			
Power Input		120-277V AC 50/60Hz (ETL) / 220-240V AC 50/60Hz (CE)			
Power Consumption		4W	8W	16W	32W
Weight		0.9 kg / 2 lbs.	1.3 kg / 2.9 lbs.	2.1 kg / 4.6 lbs.	3.8 kg / 8.4 lbs.
EPA (sq.ft)	Front	0.032			
	Side	0.258	0.392	0.787	1.575
	Front 45°	0.1824	0.2771	0.5564	1.1135
Operating Temperature		-30°C to +55°C / -22°F to +131°F			
Storage Temperature		-40°C to +80°C / -40°F to +176°F			

RGB Wide

		300mm / 12”	600mm / 24”	1200mm / 48”	2400mm / 96”
Color Range		16.7 million additive RGB colors			
Beam Angle		120°			
Power Input		120-277V AC 50/60Hz (ETL) / 220-240V AC 50/60Hz (CE)			
Power Consumption		5W	10W	20W	40W
Weight		1.1 kg / 2.4 lbs.	1.5 kg / 3.3 lbs.	2.30 kg / 5.1 lbs.	4 kg / 8.8 lbs.
EPA (sq.ft)	Front	0.056			
	Side	0.290	0.467	0.869	1.739
	Front 45°	0.2050	0.3302	0.6144	1.2295
Operating Temperature		-30°C to +55°C / -22°F to +131°F			
Storage Temperature		-40°C to +80°C / -40°F to +176°F			

SW Narrow

		300mm / 12”	600mm / 24”	1200mm / 48”	2400mm / 96”
Color Range		3000K / 4000K Standard 2200K, 2700K, 3500K, 5000K, 6500K, Red, Green, Blue, Amber available[1]			
Beam Angle		120°			
Power Input		120-277V AC 50/60Hz (ETL) / 220-240V AC 50/60Hz (CE)			
Power Consumption		4W	8W	16W	32W
Weight		0.9 kg / 2 lbs.	1.3 kg / 2.9 lbs.	2.1 kg / 4.6 lbs.	3.8 kg / 8.4 lbs.
EPA (sq.ft)	Front	0.032			
	Side	0.258	0.392	0.787	1.575
	Front 45°	0.1824	0.2771	0.5564	1.1135
Operating Temperature		-30°C to +55°C / -22°F to +131°F			
Storage Temperature		-40°C to +80°C / -40°F to +176°F			

1. No MOQ required. Please consult regional sales office for pricing and lead time.

SW Wide

		300mm / 12”	600mm / 24”	1200mm / 48”	2400mm / 96”
Color Range		3000K / 4000K Standard 2200K, 2700K, 3500K, 5000K, 6500K, Red, Green, Blue, Amber available[1]			
Beam Angle		120°			
Power Input		120-277V AC 50/60Hz (ETL) / 220-240V AC 50/60Hz (CE)			
Power Consumption		5W	10W	20W	40W
Weight		1.1 kg / 2.4 lbs.	1.5 kg / 3.3 lbs.	2.30 kg / 5.1 lbs.	4 kg / 8.8 lbs.
EPA (sq.ft)	Front	0.056			
	Side	0.290	0.467	0.869	1.739
	Front 45°	0.2050	0.3302	0.6144	1.2295
Operating Temperature		-30°C to +55°C / -22°F to +131°F			
Storage Temperature		-40°C to +80°C / -40°F to +176°F			

1. No MOQ required. Please consult regional sales office for pricing and lead time.

As with all electronic devices, LED output degrades over time. This degradation can be described using a term called Lumen Depreciation. This output degradation also explains why it is nearly impossible for the photometric performances of two LED products with different service life spans to be the same. The rate of LED degradation is a complex function of many factors such as operating efficiency, duration of continuous operation, and operating conditions (e.g. ambient temperature).

Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in the semiconductor industry. To improve consistency in performance across the same product, LED manufacturers “sort” LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. While binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process always results in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

6. TROUBLESHOOTING

Problem	Cause	Solution
Product does NOT light up after installation	Incorrect power connection	• Check Mains Power • Check power supply leads and wire connections • Ensure output wires are connected with proper polarity
Shadowing	Light source covered	• Check for cables, wires or unwanted debris covering LED light source
Modules are dim	Excess products connected	• Ensure the data injectors are not overloaded due to an excess of products connected
Flickering	Incorrect power input/ Excess products connected	• Ensure the input voltage is correct • Ensure the data injectors are not overloaded due to an excess of products connected

If problems persist or the product is not working as specified, please contact your nearest authorized service center or Traxon Technologies office for assistance.

7. WARRANTY INFORMATION

Traxon Technologies warrants this product against material and workmanship defects for a period of five (5) years from date of purchase, provided that the purchased items are used under the conditions stated in this user manual.

Please refer to www.traxontechnologies.com or https://www.osram.us/traxon/index.jsp for all warranty terms and conditions.

Our Brands

traxon e:cue

OSRAM

Please check for the latest updates and changes on the Traxon website.

www.traxontechnologies.com | www.osram.us/traxon