

DiGi Linear E-serie



General

Width (mm)	30
Height (mm)	48
Housing Color	Grey
Housing Material	Aluminum
Mounting	mounting brackets included
Cable Type	H05RN-F3xG1
Connector	M16 - 3 pin

Electronics

Input Voltage	48 V DC
---------------	---------

Lighting

Optics (°)	160
LED Spacing (mm)	15
Pixel Pitch	75 mm
Luminous Flux	185 lm/m (RGB)

Control

Control	SPI
Compatible ICs	UCS8904

Environmental

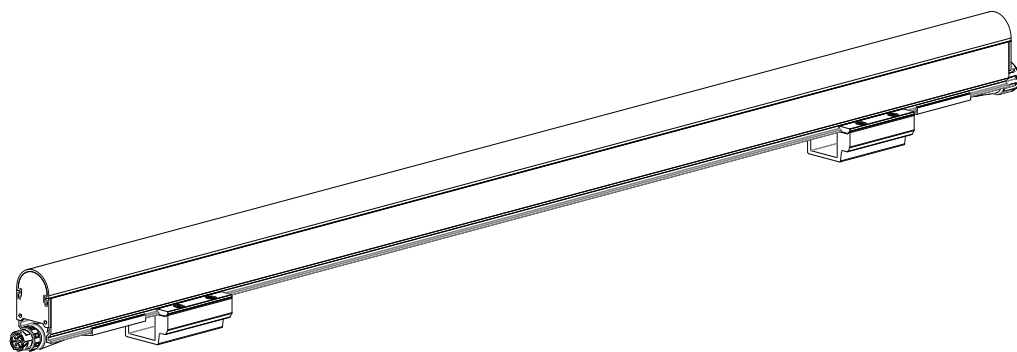
Storage Temperature	-30 ~ +65 °C
Operating Temperature	-20 ~ +55 °C
Impact Protection	IK07
Ingress Protection	IP68

CE IP68 2^{year} warranty

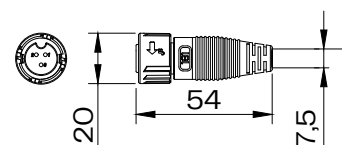
Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.

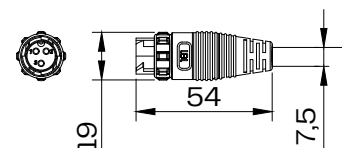




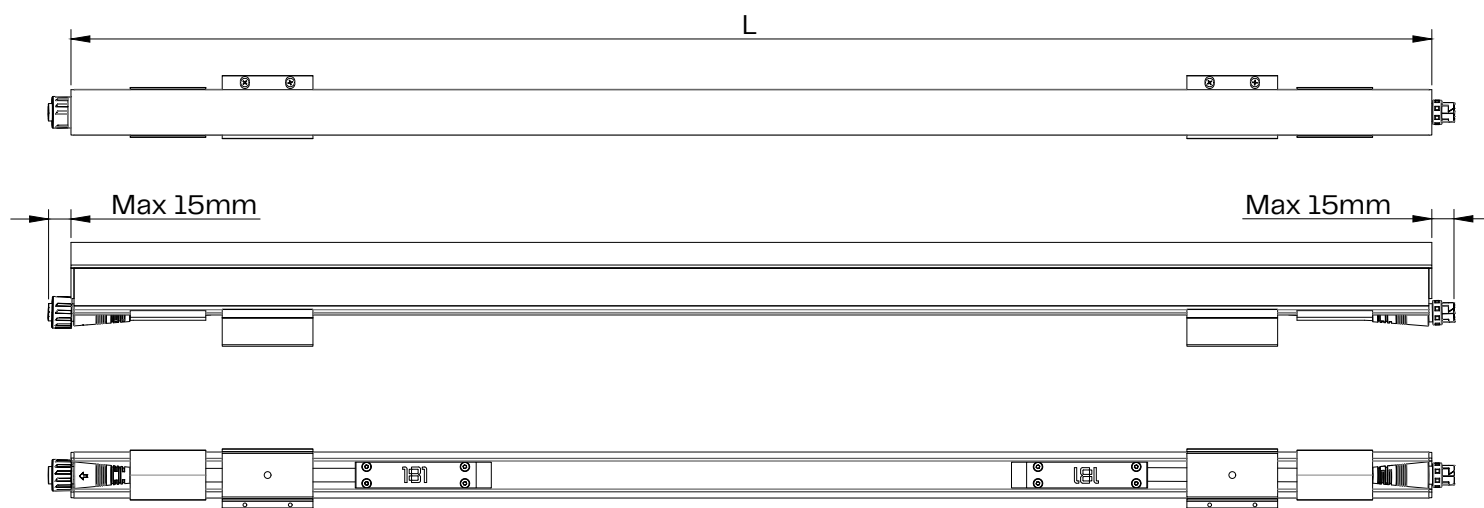
M16 Male 3Pin
Input connector



M16 Female 3Pin
Output connector

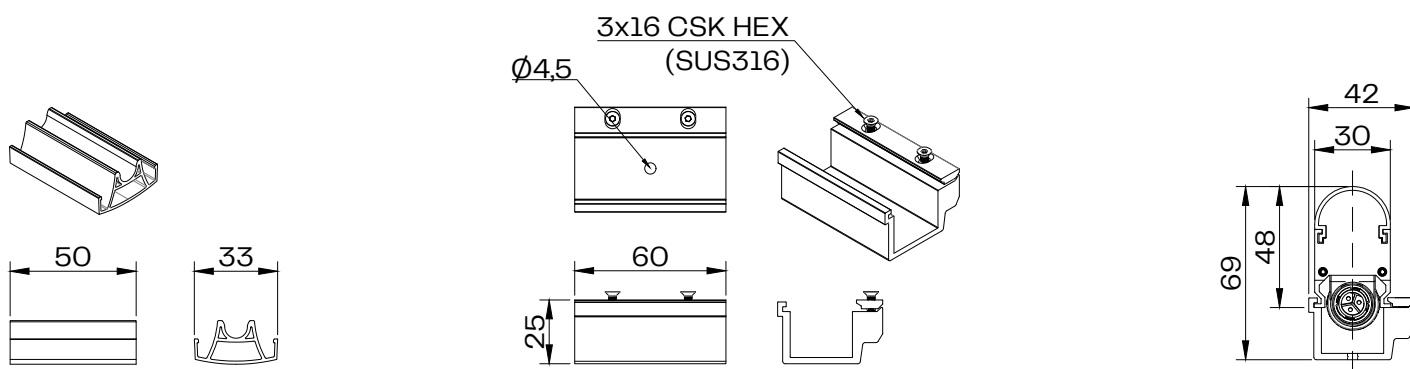


Connector
SCALE 1:3



Fixture

SCALE 1:5



Cable guide

SCALE 1:3

Mounting bracket

SCALE 1:3

Side view

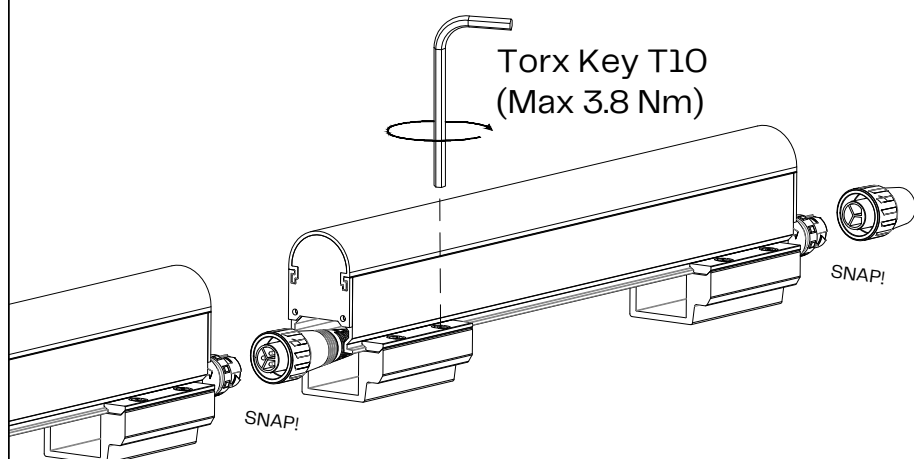
SCALE 1:3

Disclaimer

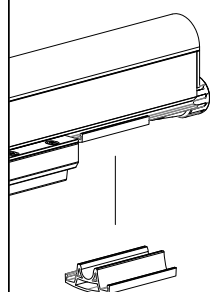
Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.

Important:

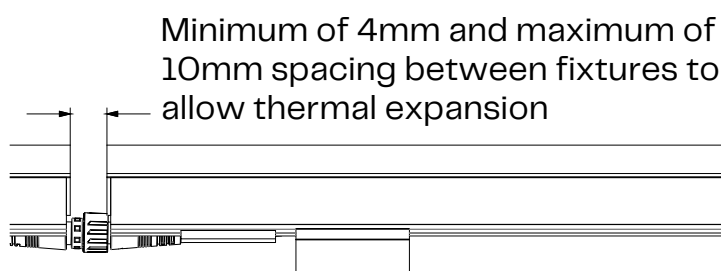
- Make sure power is disconnected during installation or maintenance
- Do not attempt installation in wet or severe weather conditions
- Keep cables protected from sharp objects to prevent damage
- Make sure unconnected fixtures are not exposed to raining/ snowing environment



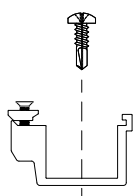
For waterproof connection make sure that the last fixture has the endcap connector fixed to the last output connector



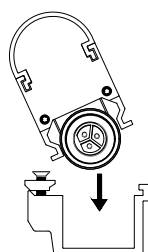
When the fixture is installed cables are connected between the fixtures the cable guide be placed to make sure the cable will not make any unnecessary movement



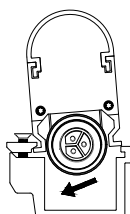
Minimum of 4mm and maximum of 10mm spacing between fixtures to allow thermal expansion



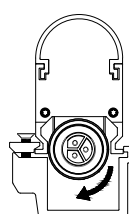
1. Mount bracket



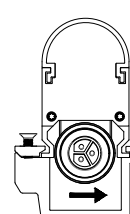
2. Place fixture in bracket



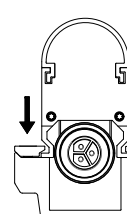
3. Place feet under plate



4. Rotate in to bracket



5. Move sideways

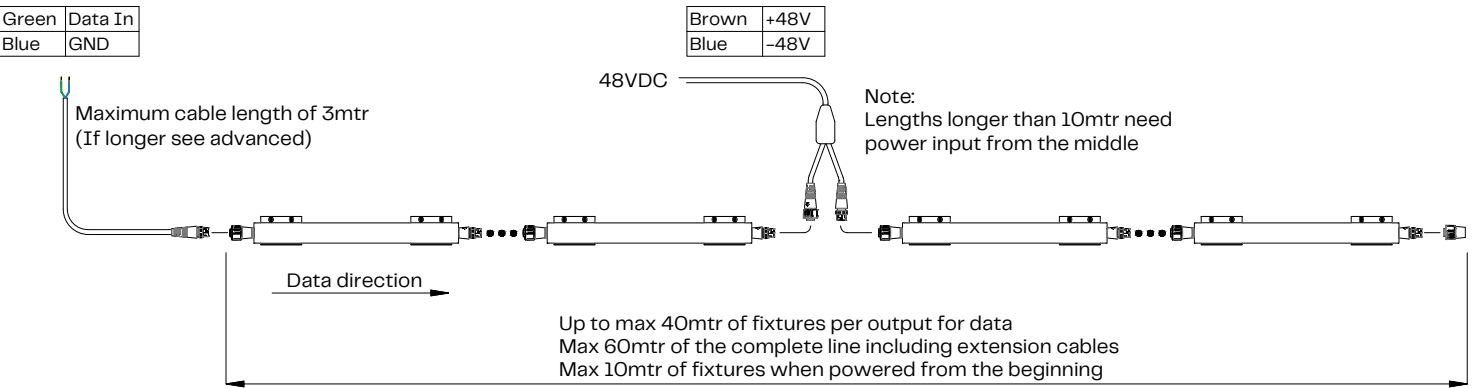


6. Tighten the torx screws

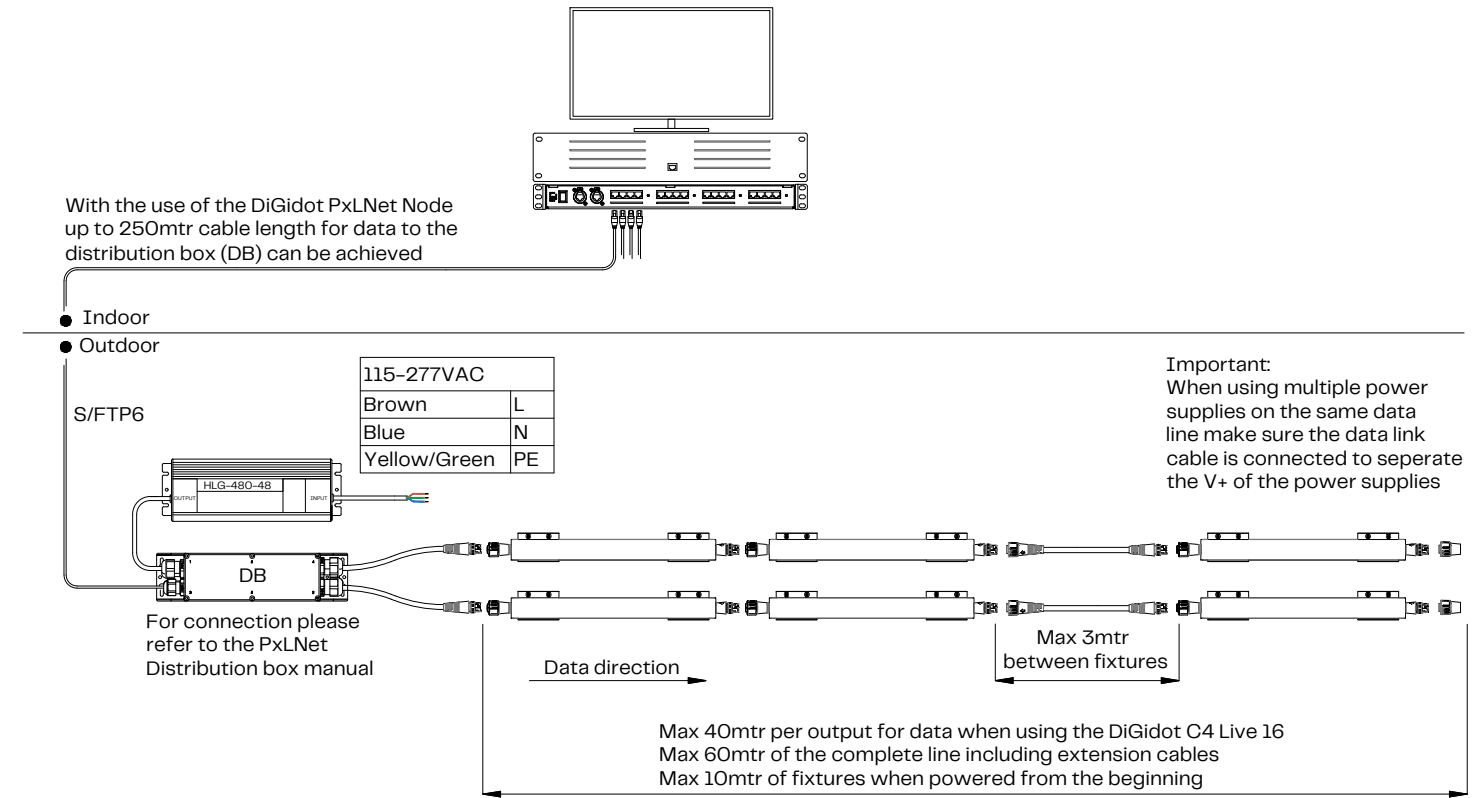
Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.

Basic



Advanced



Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.

DiGi Linear E-Series

Illuminate large architectural surfaces with ease using our Linear Luminaire, featuring a wide 150-degree beam angle. With 48 LEDs per 900mm, this fixture delivers powerful and uniform lighting coverage, ensuring every detail of the facade is beautifully illuminated. Designed to withstand various environmental conditions, our Linear Luminaire operates within a wide temperature range, making it suitable for installation in both hot and cold climates. From scorching summers to freezing winters, trust in the durability and reliability of our luminaire.

Key specifications

Voltage (V)	48V DC	
Color Range	RGB	RGBW
Luminous Flux (lm/900mm)	195Lm	340Lm
Power Consumption (w/900mm)	12W	16W
Number of channels (p/900mm)	36Ch	48Ch
Number of pixels (p/900mm)	12pix	
Pixel pitch (mm)	75mm	
Control	SPI	
Available Fixture Lengths (mm)	300, 600, 900, 1200, 1500	

CE

RoHS

IP68

IK08

Ordering information

Color Temp.	Length	Accessories	Qty
☐ RGB	☐ 300mm	☐ Cable Guide	
☐ RGBW3000K	☐ 600mm	☐ Dome Cover	
☐ RGBW4000K	☐ 900mm	☐ Tube Cover	
	☐ 1200mm		
	☐ 1500mm		

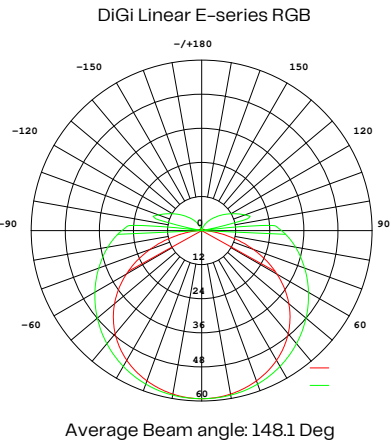
Related Items

		
Input cable, Bare wire to Female	DiGidot C4 Live	Meanwell Power supply
☐ ☐ M16 3pin Input cable 1m 3430513	☐ ☐ DiGidot C4 Live 4 20101	☐ ☐ HLG-240H-48 8442700
☐ ☐ M16 3pin Input cable 2m 3430523	☐ ☐ DiGidot C4 Live 8 20102	☐ ☐ HLG-320H-48 8442600
☐ ☐ M16 3pin Input cable 3m 3430533	☐ ☐ DiGidot C4 Live 12 20103	☐ ☐ HLG-480H-48 8431900
	☐ ☐ DiGidot C4 Live 16 20104	
Input cable, RJ45 to Female	DiGidot C4 Extended	
☐ ☐ M12 4pin Input cable 15m 3430755	☐ ☐ DiGidot C4 Extended 1 20201	
☐ ☐ M12 4pin Input cable 30m 3430756	☐ ☐ DiGidot C4 Extended 2 20202	
☐ ☐ M12 4pin Input cable 50m 3430757	☐ ☐ DiGidot C4 Extended 4 20203	
	☐ ☐ DiGidot C4 Extended 8 20204	
Extension cable, Male to Female	DiGidot PxLNode	
☐ ☐ M16 3Pin Extension cable 1m 3430613	☐ ☐ DiGidot PxLNode U96 20820	
☐ ☐ M16 3Pin Extension cable 2m 3430623		
☐ ☐ M16 3Pin Extension cable 3m 3430633		
Power & Data injector cable	DiGidot PxLNet Transceiver kit	
☐ ☐ M16 Power & Data injector cable 1.5m 3430419	☐ ☐ DiGidot PxLNet Transceiver kit RJ45-Bus 20341	
Power cable	☐ ☐ DiGidot PxLNet Transceiver kit Screw 203402	
☐ ☐ M16 3Pin Power cable Single feed 1.5m 3430418	☐ ☐ DiGidot PxLNet Transceiver kit Solder 203403	
End cap		
☐ ☐ M16 3pin End cap 3430016		

General specifications

Operating Voltage	48 V DC	
Available Colors	RGB	RGBW
Power Consumption p/900mm	12W	16W
Channels p/900mm	36ch	48ch
LEDs per Fixture p/900mm	48	48
LED Type RGB	Lumileds	
LED Type White	Osram	
Beam Angle (Dome)	150°	
Luminous Flux p/900mm	195lm	195lm
LB Value	L80B10 50.000H	
Max Run Length for power	20 mtr.	
Max Run Length for data	25 mtr.	
LED Pitch	18.75 mm	
Storage Temperature	-40° C to 85° C	
Operating Temperature	-20° C to 65° C	
Connector	M16 3 Pin Connector	
Mounting Options	Mounting Brackets	
Certifications	CE, RoHS	
Available Housing Colors	Grey	
Weight	1.9 Kg	
Warranty	3 Years	
Ingress Protection	IP68	
Impact protection	IK08	
UV protected	Yes	

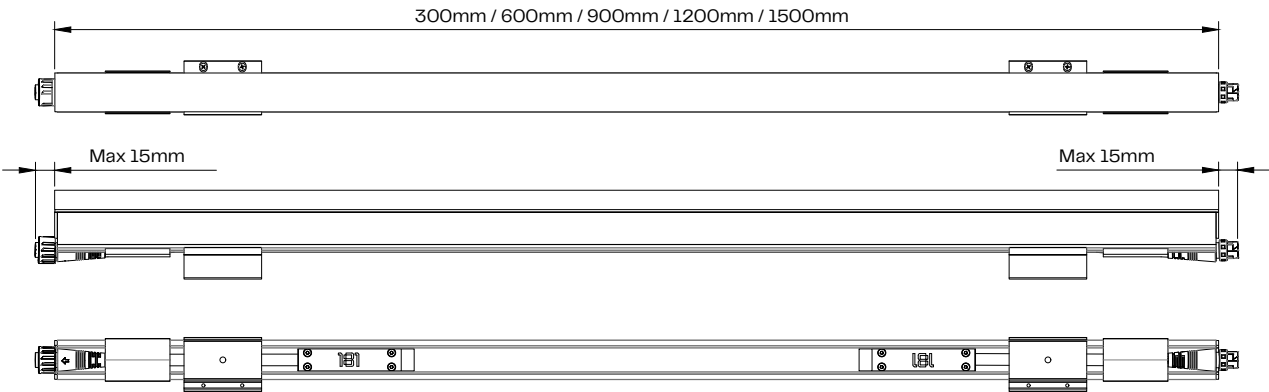
Light distribution



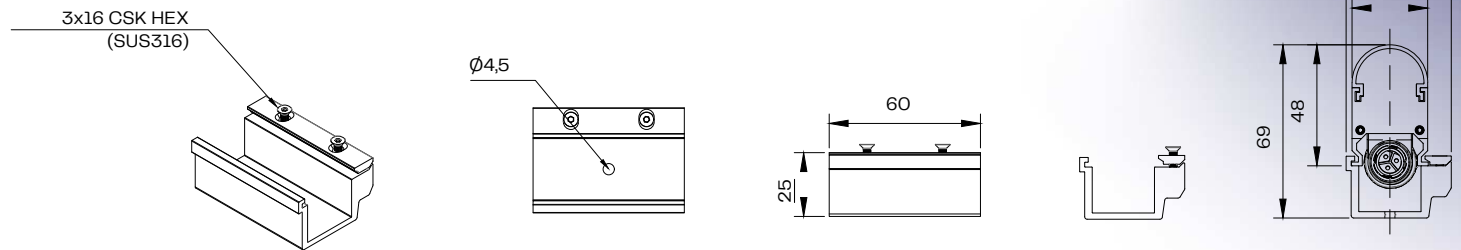
Dome 900mm	Red	Green	Blue	3000K
RGB	45Lm	126Lm	24Lm	
RGBW	45Lm	126Lm	24Lm	145Lm

Wavelength	Red	Green	Blue
	620NM	525NM	470NM

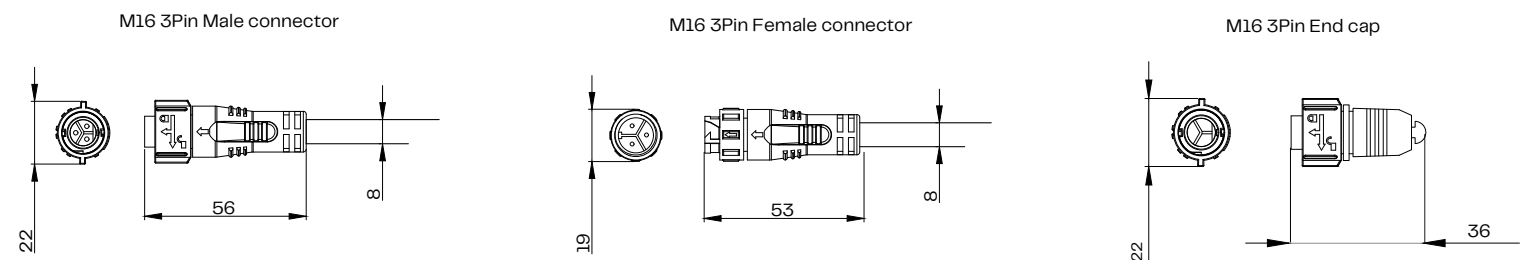
Dimensions



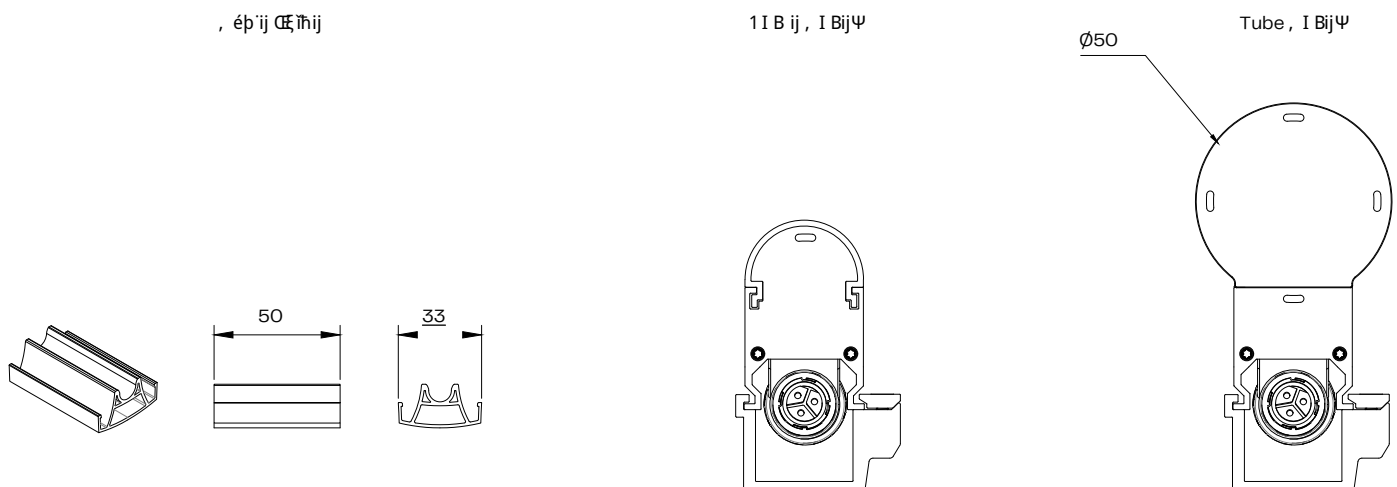
Dimensions mounting bracket



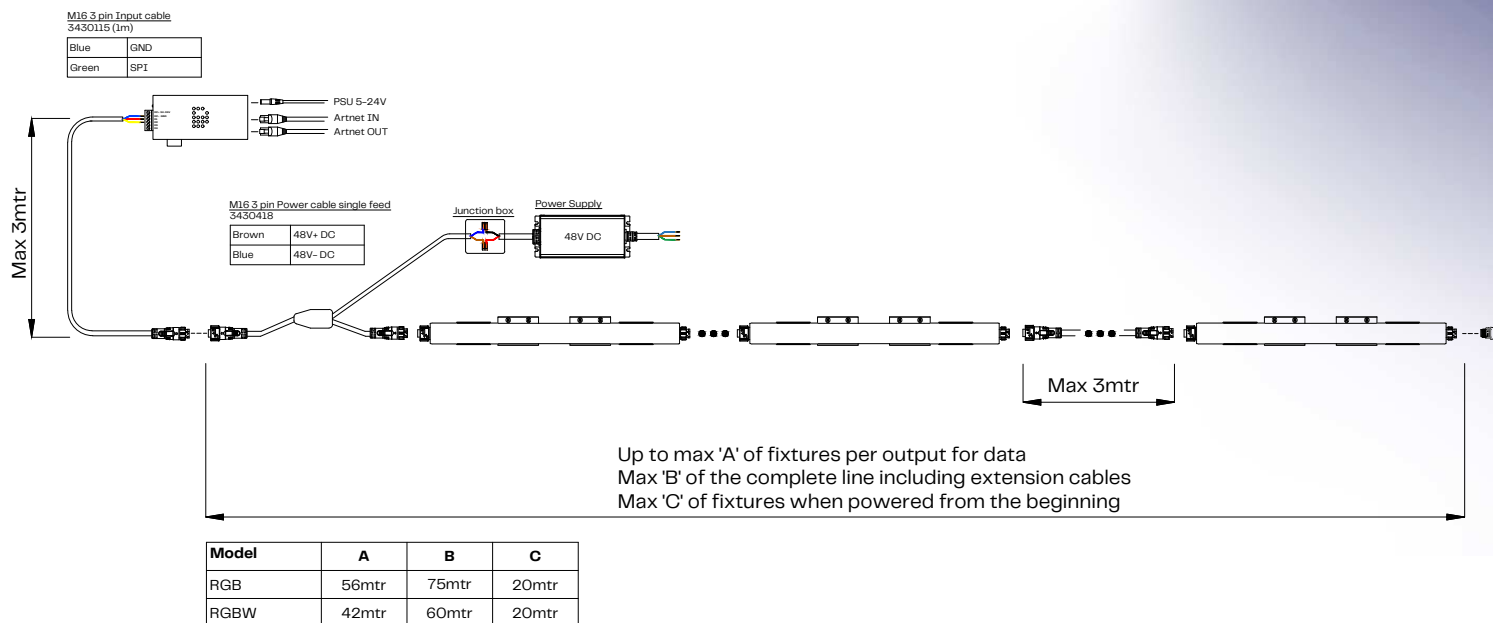
Dimensions M16 3Pin connectors & End cap



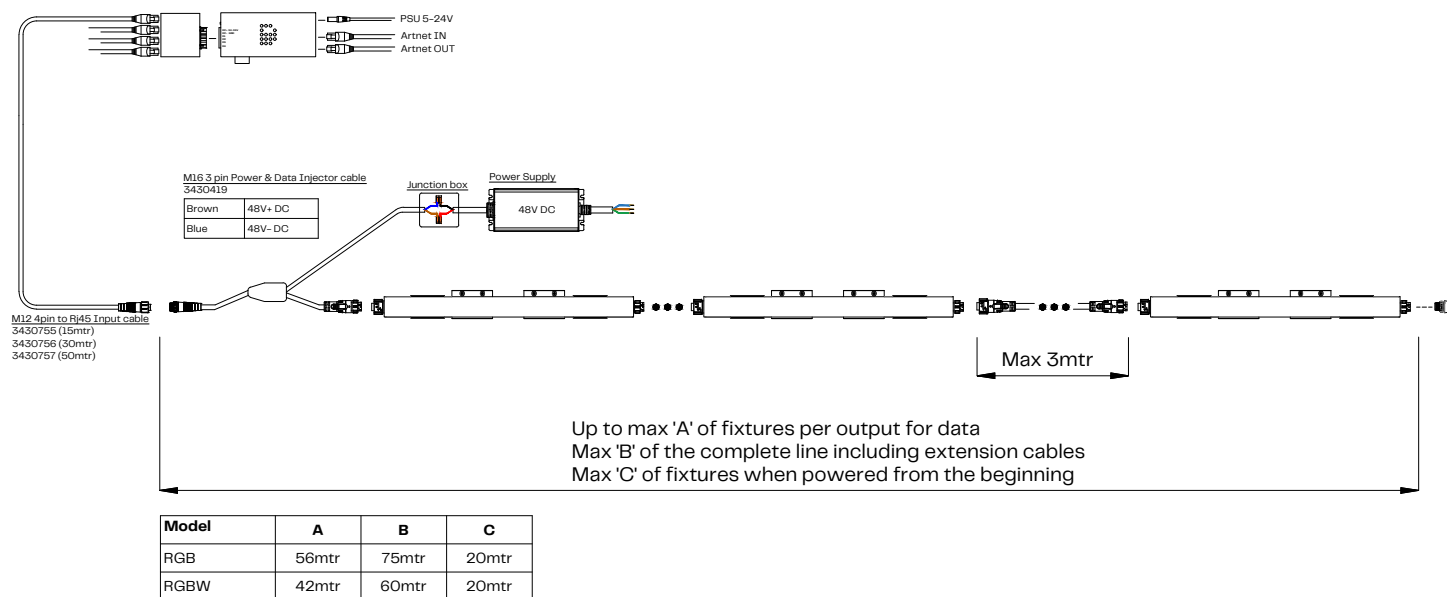
Accessories



System diagram basic



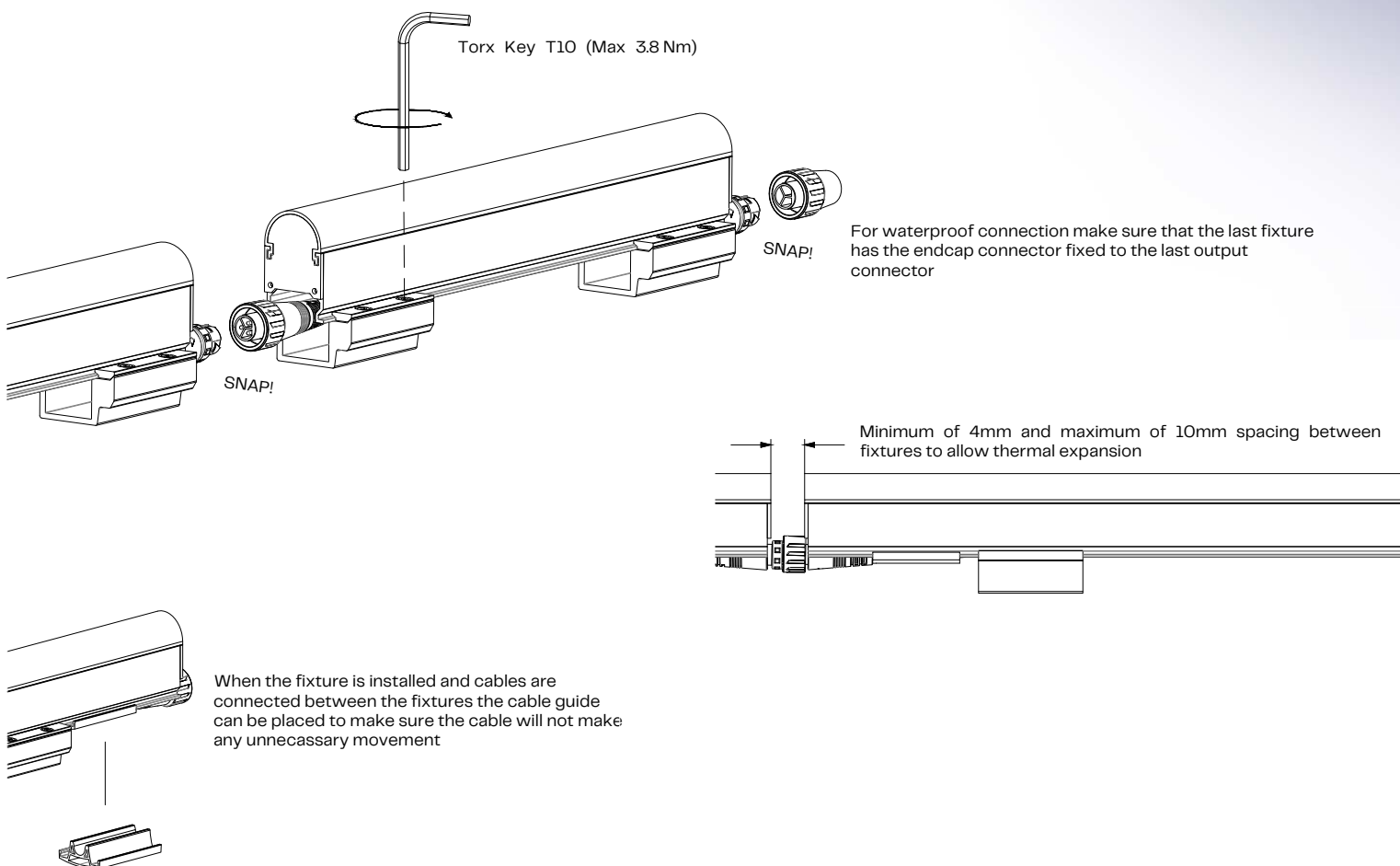
System diagram advanced



Installation guide

Important note:

- Make sure power is disconnected during installation or maintenance
- Do not attempt installation in wet or severe weather conditions
- Keep cables protected from sharp objects to prevent damage
- Make sure unconnected fixtures are not exposed to raining/ snowing environment



Bracket fixation

