

DiGi Linear D-serie



General

Width (mm)	24
Height (mm)	24
Housing Color	Grey
Housing Material	Aluminum
Mounting	mounting brackets included
Cable Type	H05RN-F3xG1
Connector	M16 - 3 pin

Electronics

Input Voltage	48 V DC
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Lighting

Optics (°)	115
Luminous Flux	360 lm/m (RGB)

Control

Control	SPI
Compatible ICs	UCS9812

Environmental

Storage Temperature	-30 ~ +65 °C
Operating Temperature	-20 ~ +55 °C
Impact Protection	IK08
Ingress Protection	IP68

CE IP68 2^{year} warranty

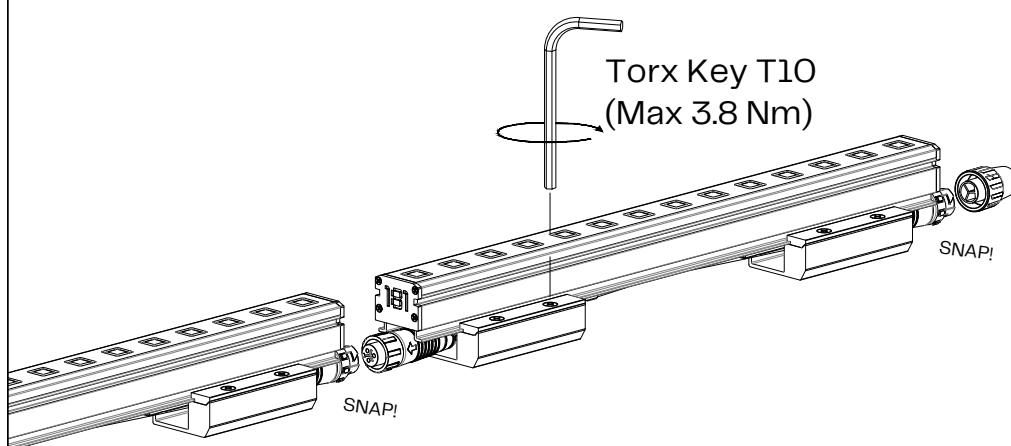
Disclaimer

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.

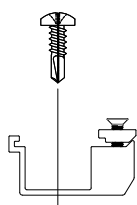
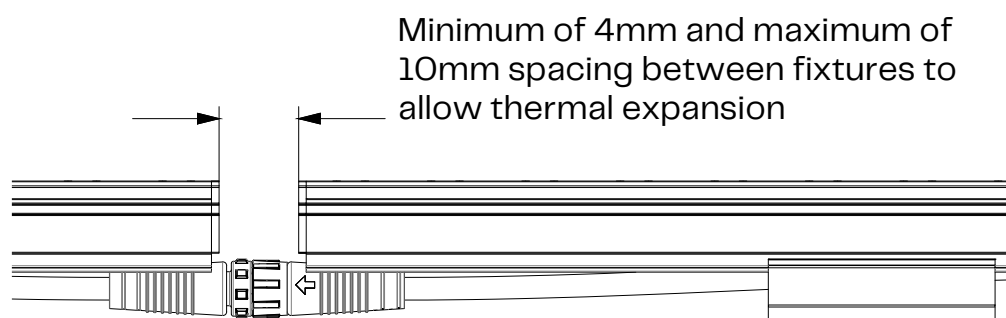


Important:

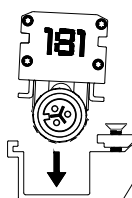
- Make sure power is disconnected during installation or maintenance
- Do not attempt installation in wet or severe weather conditions
- Keep cables protected from sharp objects to prevent damage
- Make sure unconnected fixtures are not exposed to raining/ snowing environment



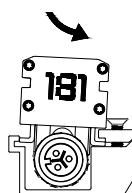
For waterproof connection make sure that the last fixture has the endcap connector fixed to the last output connector



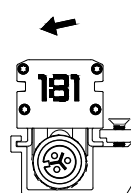
1. Mount bracket



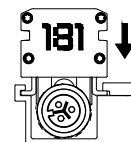
2. Place fixture in bracket



3. Place feet under plate



4. Move sideways

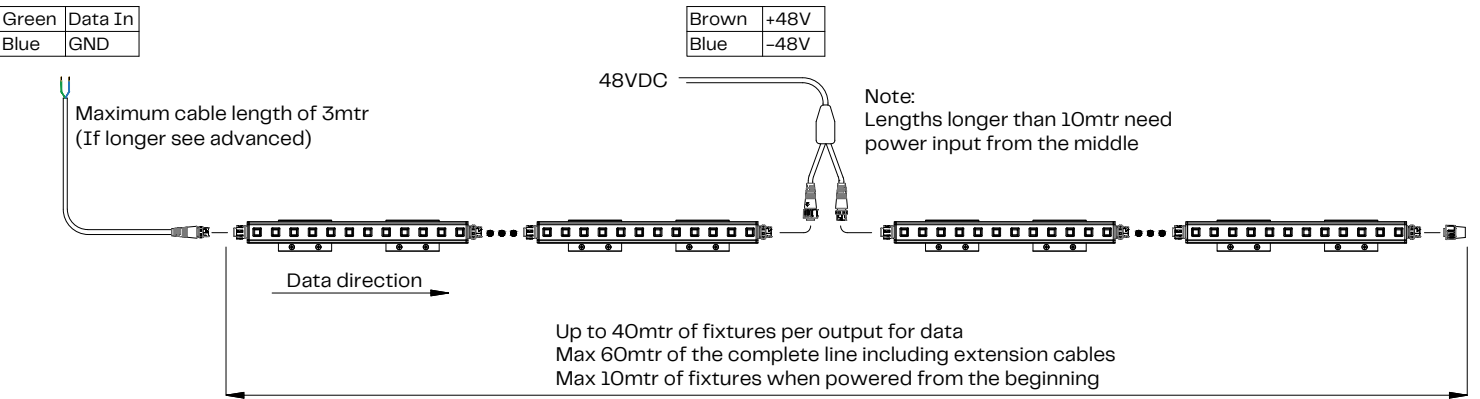


5. Tighten the torx screws

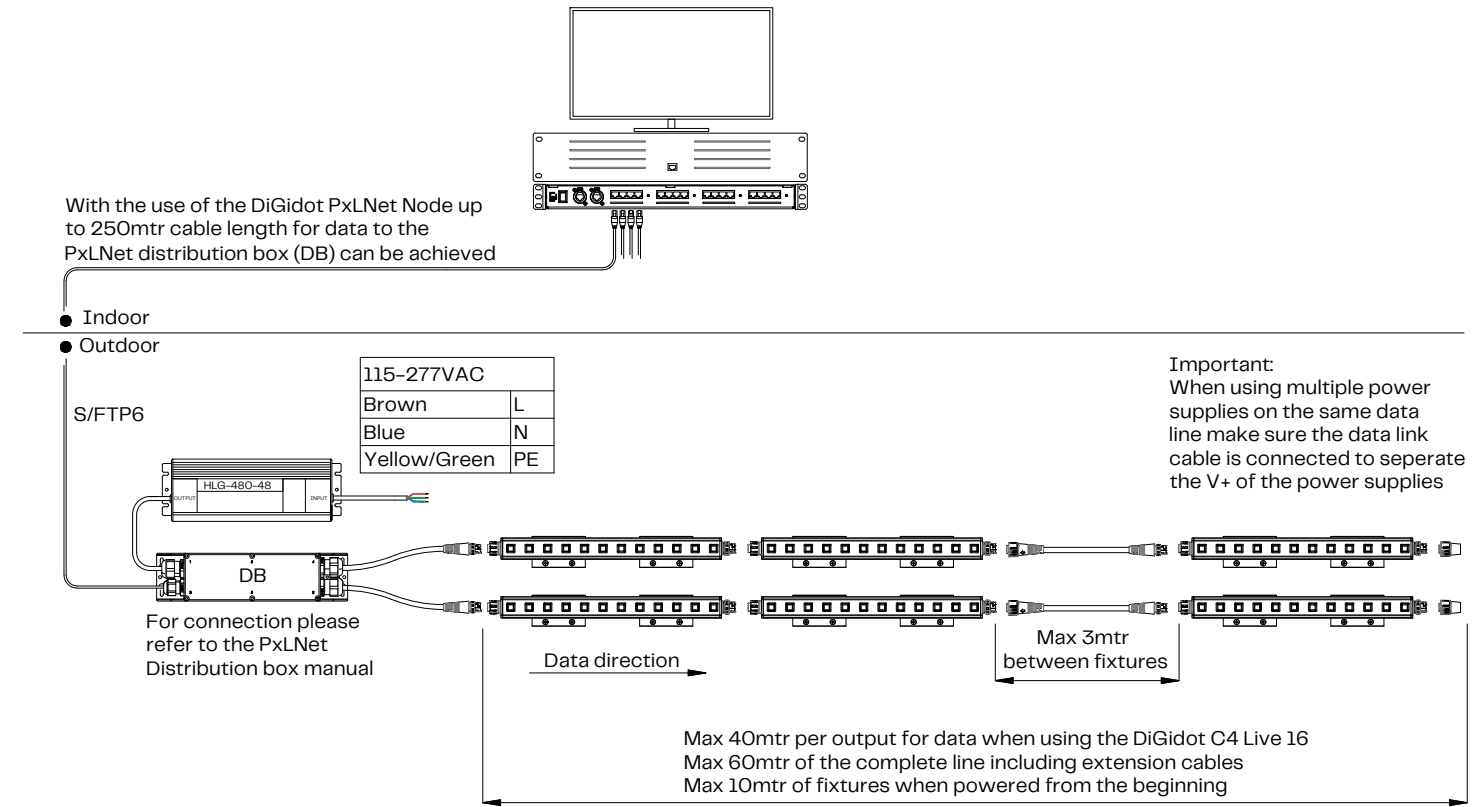
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Basic

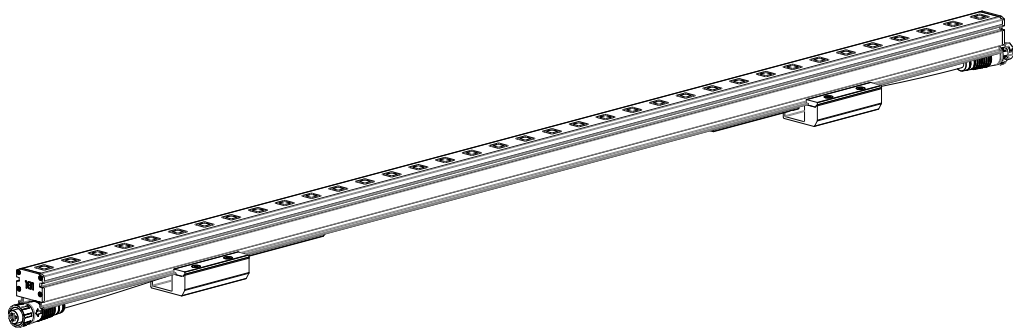


Advanced

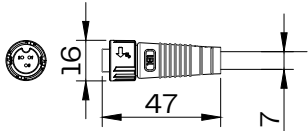


Disclaimer

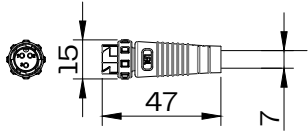
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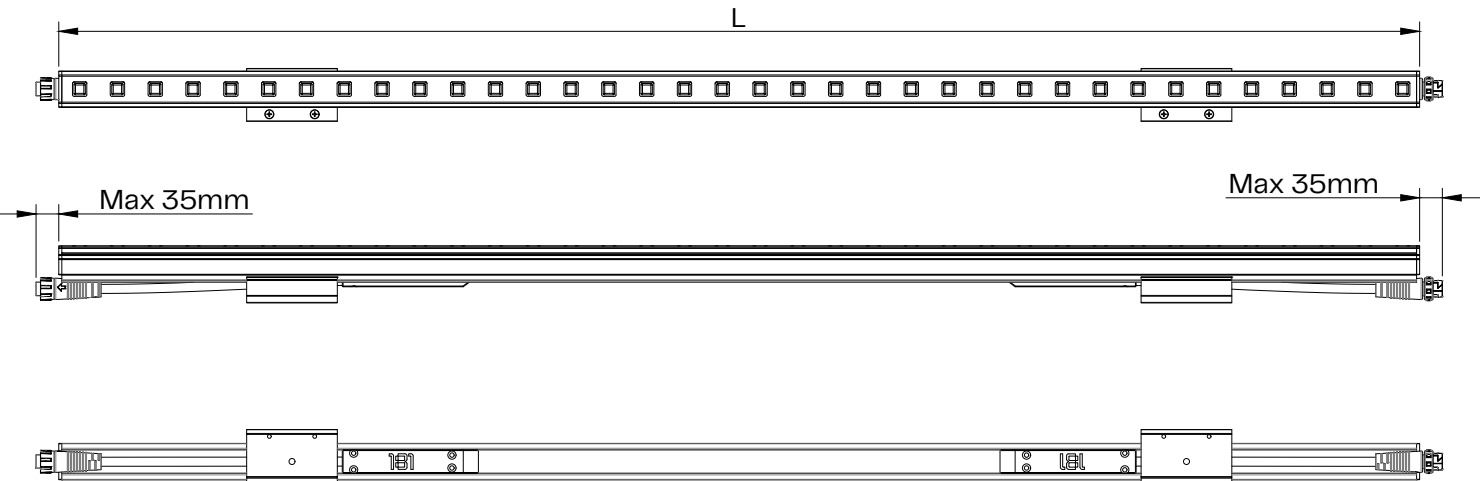
M12 Female 3Pin
Output connector



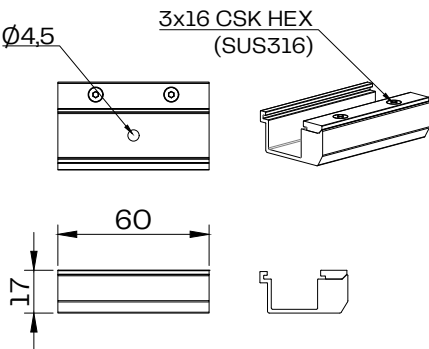
M12 Male 3Pin
Input connector



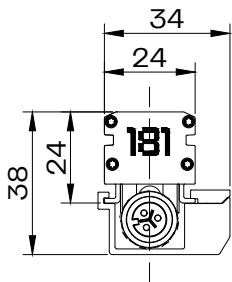
Connector
SCALE 1:3



Fixture
SCALE 1:5



Mounting bracket
SCALE 1:3



Side view
SCALE 1:2

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DiGi Linear D-Series

This is a 48V linear luminaire, standard available in RGB. The fixture has a 115 degree beam angle. Each pixel is individually controllable. The luminaire has a pixelpitch of 25mm with a quantity of 40 LEDs per meter. Brackets for mounting are included. Impact protection IK08, ingress protection IP68. Housing is lightweight aluminium and color comes standard in grey.

Key specifications

Voltage (V)	48V DC
Power Consumption (w/m)	10W
Luminous Flux (lm/m)	360Lm
Color Range	Multi color
Number of channels (p/m)	120ch
Number of pixels (p/m)	40pix
Pixel pitch (mm)	25mm
Control	SPI
Fixture Length (mm)	300, 600, 900, 1200, 1500



CE

RoHS

IP68

IK08

Ordering information

Color Temp.	Length	Qty
☐ RGB	☐ 300mm	
	☐ 600mm	
	☐ 900mm	
	☐ 1200mm	
	☐ 1500mm	

Related Items



Input cable, Bare wire to Female

- ☐ Qty M16 3pin Input cable 1m - 3430513
- ☐ Qty M16 3pin Input cable 2m - 3430523
- ☐ Qty M16 3pin Input cable 3m - 3430533

Input cable, RJ45 to Female

- ☐ Qty M12 4pin Input cable 15m - 3430755
- ☐ Qty M12 4pin Input cable 30m - 3430756
- ☐ Qty M12 4pin Input cable 50m - 3430757

Extension cable, Male to Female

- ☐ Qty M16 3pin Extension cable 1m - 3430613
- ☐ Qty M16 3pin Extension cable 2m - 3430623
- ☐ Qty M16 3pin Extension cable 3m - 3430633

Power & Data injector cable

- ☐ Qty M16 Power & Data injector cable 15m - 0000000

Power cable

- ☐ Qty M16 3pin Power cable 15m Single feed- 0000000

End cap

- ☐ Qty M16 3pin End cap - 3430016

DiGidot C4 Live

- ☐ Qty DiGidot C4 Live 4 - 20101
- ☐ Qty DiGidot C4 Live 8 - 20102
- ☐ Qty DiGidot C4 Live 12 - 20103
- ☐ Qty DiGidot C4 Live 16 - 20104

DiGidot C4 Extended

- ☐ Qty DiGidot C4 Extended 1 - 20201
- ☐ Qty DiGidot C4 Extended 2 - 20202
- ☐ Qty DiGidot C4 Extended 4 - 20203
- ☐ Qty DiGidot C4 Extended 8 - 20204

DiGidot PxLNode

- ☐ Qty DiGidot PxLNode U96 - 20820

DiGidot PxLNet Transceiver kit

- ☐ Qty DiGidot PxLNet Transceiver kit RJ45-bus - 20341
- ☐ Qty DiGidot PxLNet Transceiver kit Screw - 203402
- ☐ Qty DiGidot PxLNet Transceiver kit Solder - 203403

Meanwell Power supply

- ☐ Qty HLG-150H-48 - 8440800

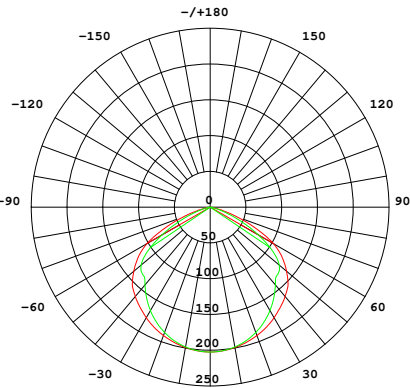
General specifications

Operating Voltage	48 V DC
Available Colors	RGB
Power Consumption p/m	10 W/m
Channels p/m	120ch
LEDs per Fixture /m	40
LED Type	Luxeon SMD3535
Beam Angle	115°
Luminous Flux p/m	360lm
LB Value	L80B10 50.000H
Max Run Length for power	20 mtr.
Max Run Length for data	25 mtr.
LED Pitch	25 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	1.7 Kg
Warranty	3 Years
Ingress Protection	IP68
Impact protection	IK08
UV protection	Yes

Model	Red	Green	Blue
RGB	98Lm	237Lm	46Lm

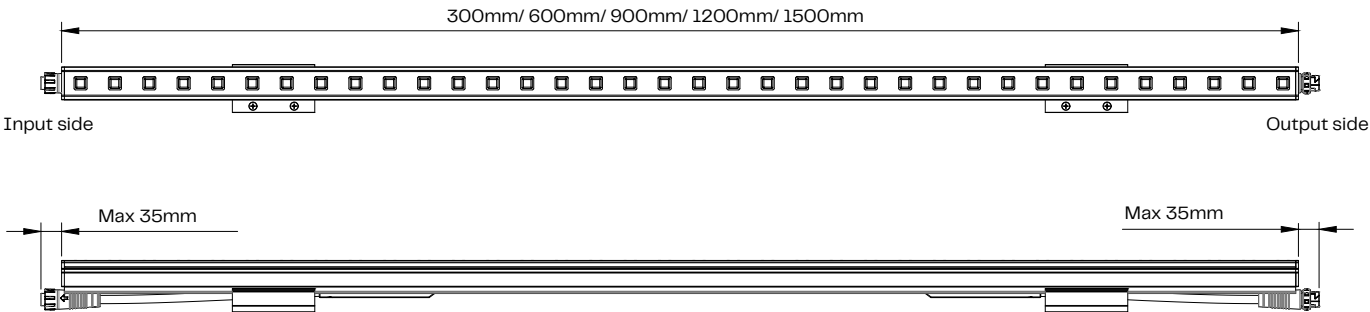
Model	Red	Green	Blue
RGB	620NM	525NM	470NM

Light distribution

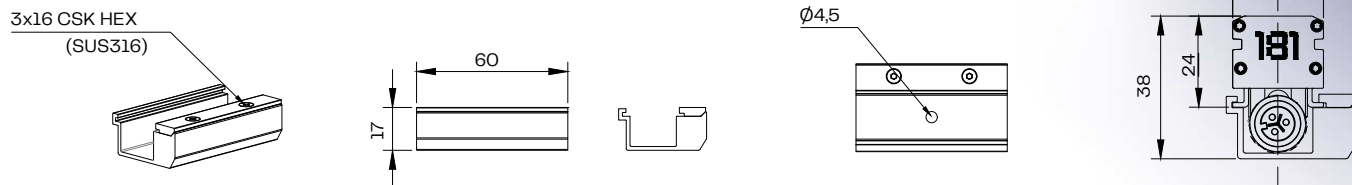


Average Beam angle: 116.1 Deg

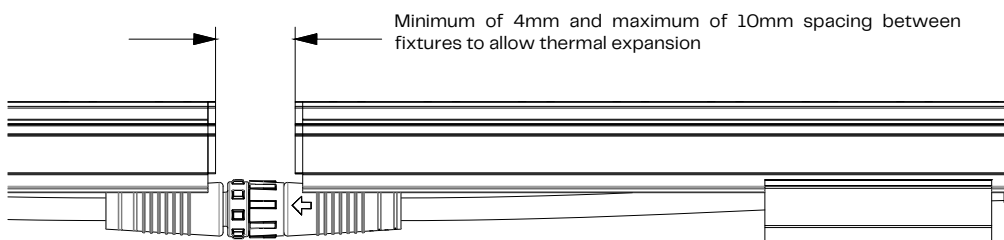
Dimensions



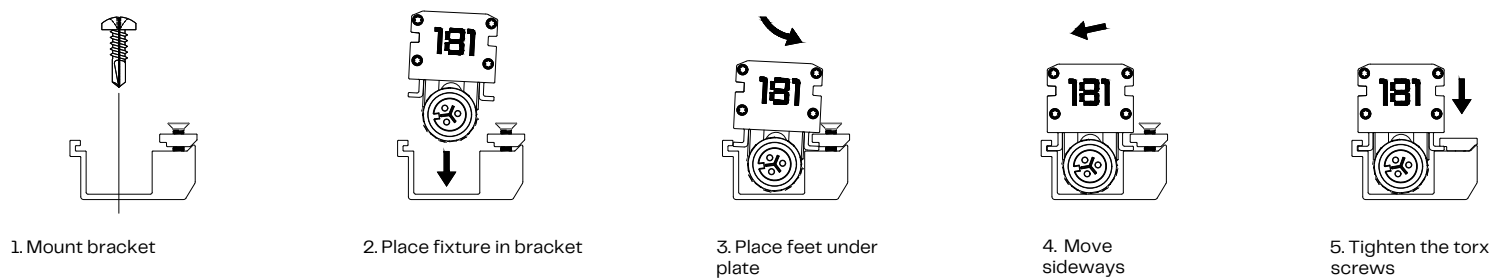
Dimensions mounting bracket



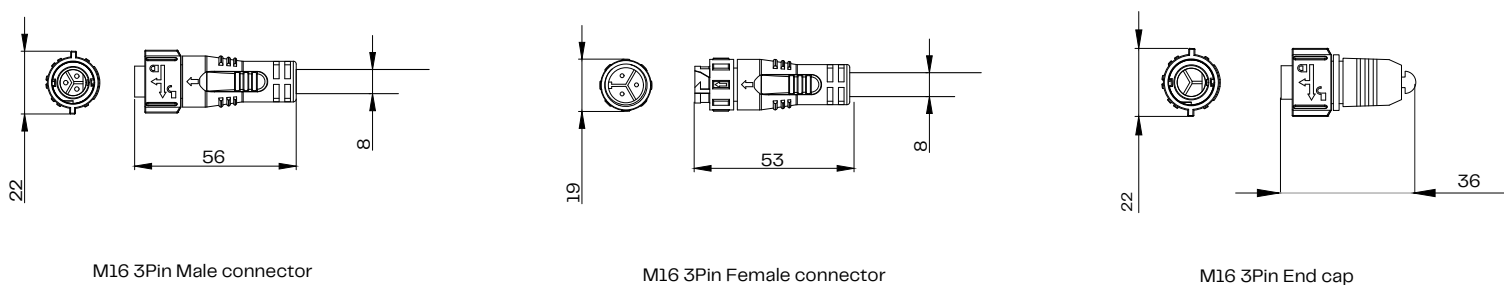
Profile distance



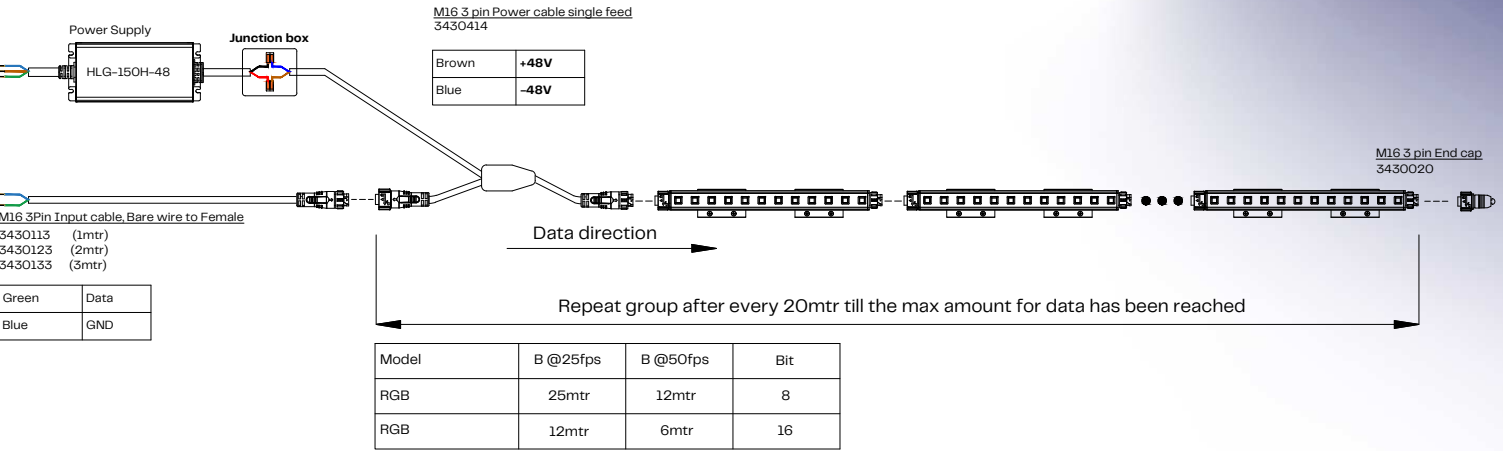
Bracket fixation



Dimensions M16 3Pin connectors & End cap



System diagram basic



System diagram advanced

