

DiGi Module E3S

This is a 12V DiGi LED module, standard available in RGB and RGBW2700K. It contains 3 Luxeon SMD3535 LEDs per module and the RGBW adds 1 Osram SMD2835. Beam angle is 100 degrees. Lumen output is 19lm per module for RGB and 30lm for RGB2700K. Pixel pitch is customizable, starting from a 80mm pitch. The luminaire can be connected to any 12V PSU. Ingress protection IP67. On request specs can be customized.

Key specifications

Voltage (V)	12V DC
Power Consumption (RGB)	0.8W 1W
Luminous Flux	19Lm 30Lm
Color Range	RGB RGBW2700K
Number of channels	3ch 4ch
Number of pixels	1pix
Node pitch (mm)	Minimum 80mm
Control	SPI
Node length	Customizable



Ordering information

Color Temp.	Housing color	Node pitch in CM	Node string Length in CM	Qty
☐ RGB	☐ Black			
☐ RGBW2700K	☐ Grey			

Related Items



Input cable, Bare wire to Female		
☐	☐	M16E 3pin Input cable 1m 3431515
☐	☐	M16E 3pin Input cable 1m 3431525
☐	☐	M16E 3pin Input cable 1m 3431535



Input cable, RJ45 to Female		
☐	☐	M12 4pin Input cable 15m 3430755
☐	☐	M12 4pin Input cable 30m 3430756
☐	☐	M12 4pin Input cable 50m 3430757



Extension cable, Male to Female		
☐	☐	M16E Extension cable 1m 3431615
☐	☐	M16E Extension cable 3m 3431635



Power cable Single feed		
☐	☐	M16E 3Pin Power cable Single feed 15m 3430816



Power cable Double feed		
☐	☐	M16E 3Pin Power cable Single feed 15m 3431815



End cap		
☐	☐	M16E 3Pin End cap 3430016



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



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



DiGidot PxLNode		
☐	☐	DiGidot PxLNode U96 20820



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



Meanwell Power supply		
☐	☐	HLG-150-12 8341300
☐	☐	HLG-240-12 8341600
☐	☐	HLG-320-12 8342500

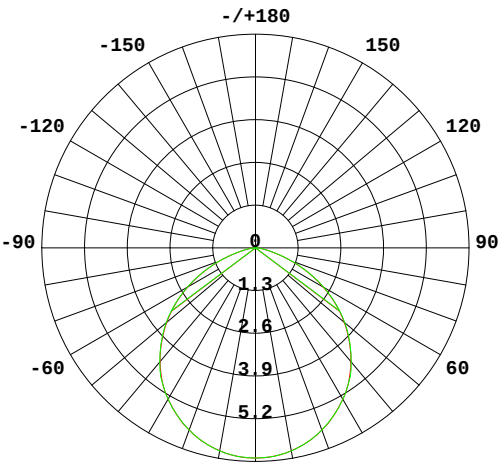
General specifications

Operating Voltage	12V DC	
Color range	RGB	RGBW2700K
CRI	≥80	
Power Consumption p/node	0.8W	1W
Channels p/node	3ch	4ch
Luminous Flux p/m	19Lm	30Lm
Max Run Single power feed	34 nodes by 200mm pitch	
Max Run Length for data	1020n	768n
Pixel Pitch	Customizable	
LB Value	L80B10 50.000H	
Storage Temperature	-40° C to 60° C	
Operating Temperature	-25° C to 55° C	
Connector type	M16E 3 Pin Connector	
Ingress Protection	IP67	
Impact protection	IK08	
Mounting Options	Screw, Tube clip	
Certifications	ETL, CE, RoHS	
Available Housing Colors	Black, Grey	
Weight p/m	30gr	
Warranty	3 Years	

Model	Red	Green	Blue	3000K
RGB	9Lm	30Lm	6Lm	
RGBW2700K	9Lm	30Lm	6Lm	19Lm

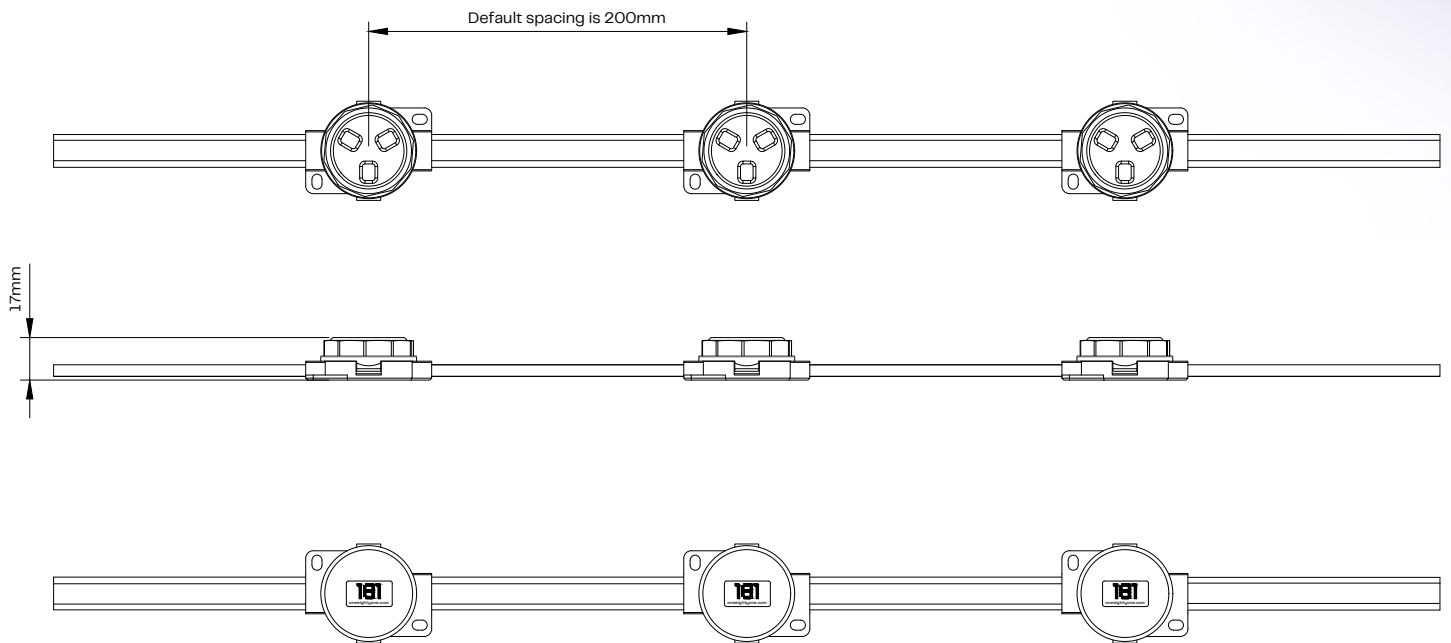
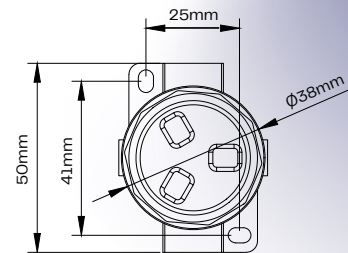
Model	Red	Green	Blue
RGB	620NM	520NM	465NM
RGBW2700K	620NM	520NM	465NM

Light distribution



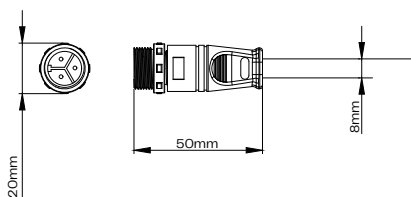
Average Beam angle: 106.2 Deg

Dimensions

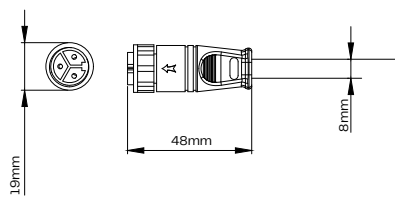


Dimensions M16E 3Pin connectors & End cap

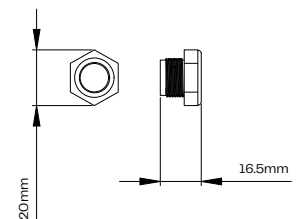
M116E 3Pin Male connector



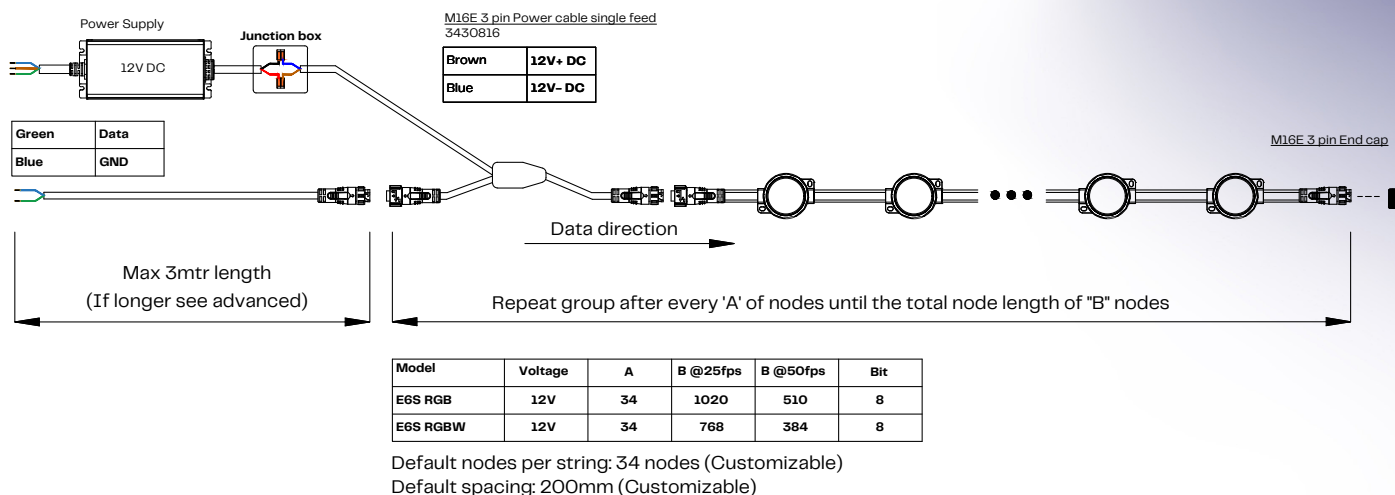
M16E 3Pin Female connector



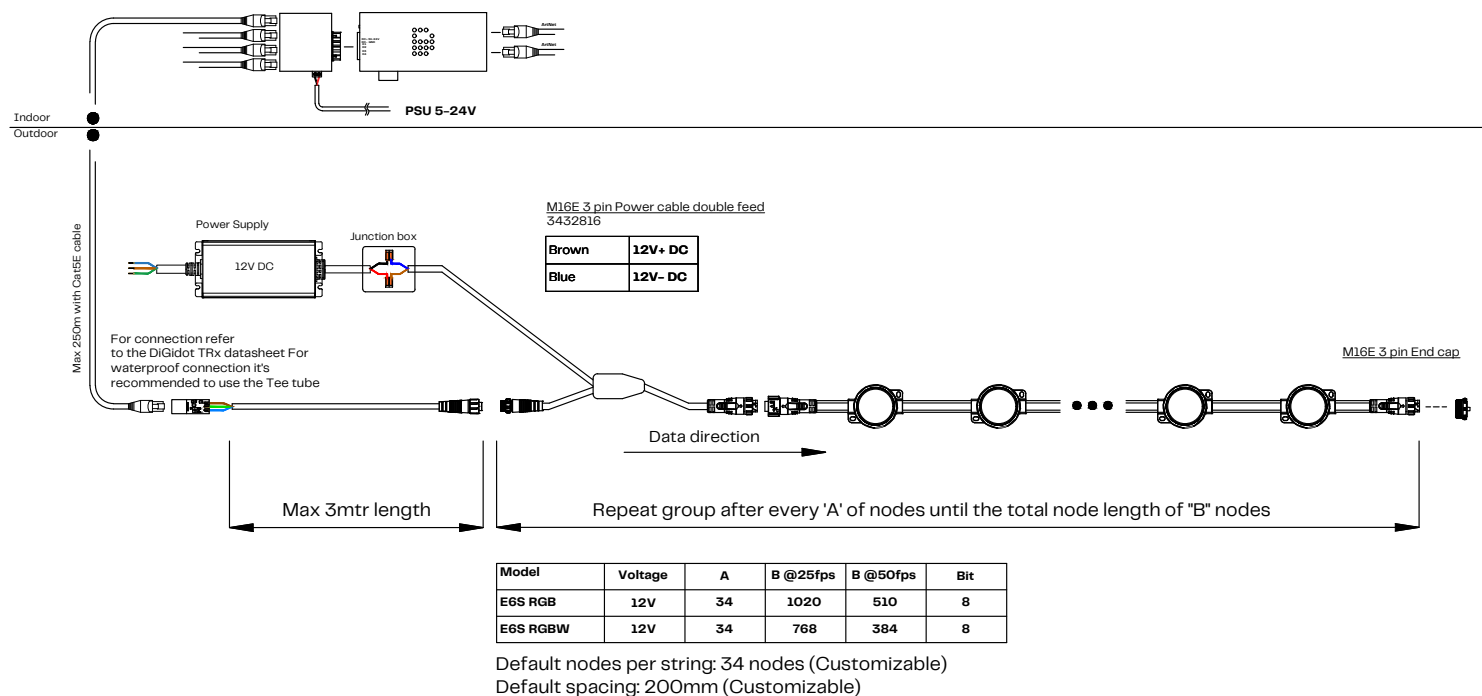
M16E 3Pin End cap



System diagram basic



System diagram advanced



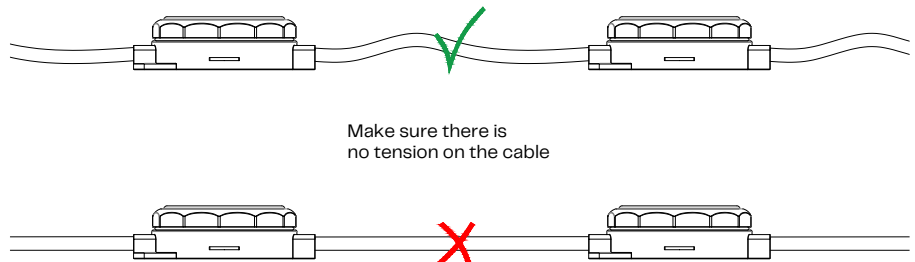
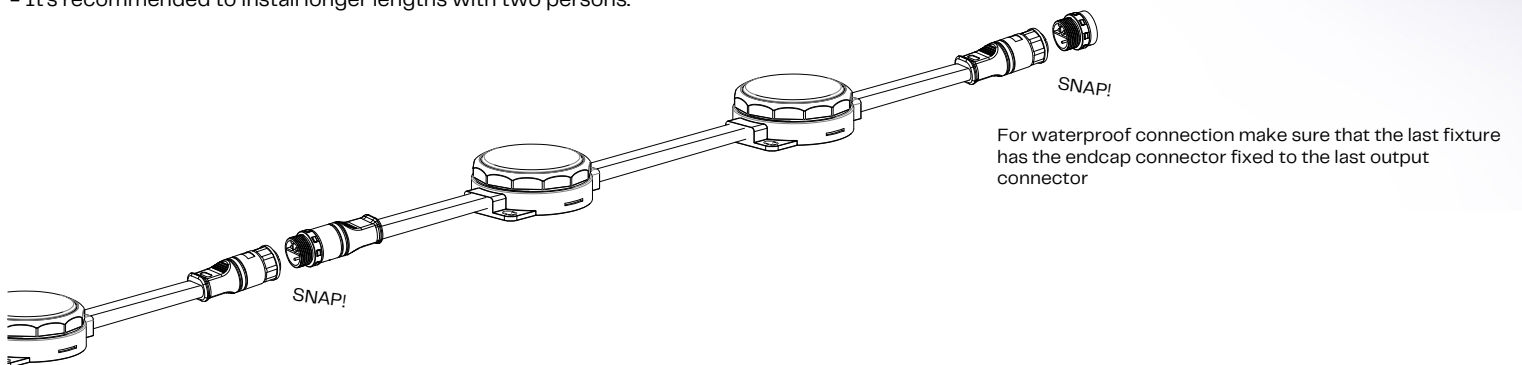
Installation guide

Important note:

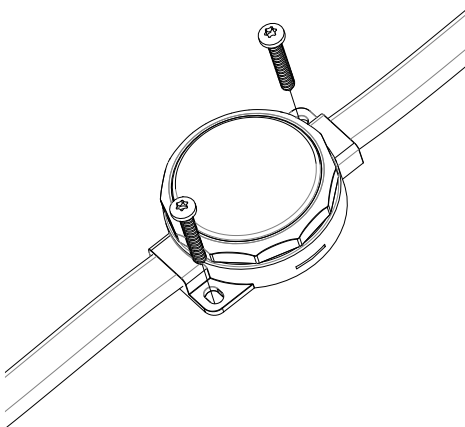
- Make sure power is disconnected during installation or maintenance.
- Keep cables and the DiGi Module protected from sharp objects to prevent damage
- Align polarity when connecting the DiGi Module.
- The DiGi Module is a made-to-order product with the finish of the product specifically moulded to provide optimal weatherproof performance.
- Female or male connector with cable and bare wire cables can be ordered separately in various lengths.
- It is recommended to ensure the feeder cable is long enough to reach the cable entry point of flex where connection can be made.
- Do not cut the cables and the waterproof connectors. DIY cutting of this product will void the warranty.

Tips:

- Before powering the system, check if all polarities are aligned.
- It's recommended to install longer lengths with two persons.



Max 3.5mm screw



Screw fixation