

DiGi Module E6S

This is a 24V DiGi LED module, standard available in RGB and RGBW2700K. It contains 6 Luxeon SMD3535 LEDs per module and the RGBW adds 2 Osram SMD2835. Beam angle is 100 degrees. Lumen output is 45lm per module for RGB and 64lm for RGB2700K. Pixel pitch is customizable, starting from a 80mm pitch. The luminaire can be connected to any 24V PSU. Ingress protection IP67. On request specs can be customized.

Key specifications

Voltage (V)	24V DC	
Power Consumption (RGB)	1.5W	2W
Luminous Flux	45Lm	64Lm
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 2m 3431625
☐	☐	M16E Extension cable 3m 3431635



Power & Data injector cable		
☐	☐	M16E Power & Data injector cable 1.5m 3430725



Power cable		
☐	☐	M16E 3Pin Power cable Single feed 1.5m 3430816



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		
☐	☐	XLG-75-24 8343100
☐	☐	XLG-100-24 8343300
☐	☐	HLG-150-24 8440700
☐	☐	HLG-240-24 8441600
☐	☐	HLG-320-24 8442500



Mounting		
☐	☐	Tube clip double

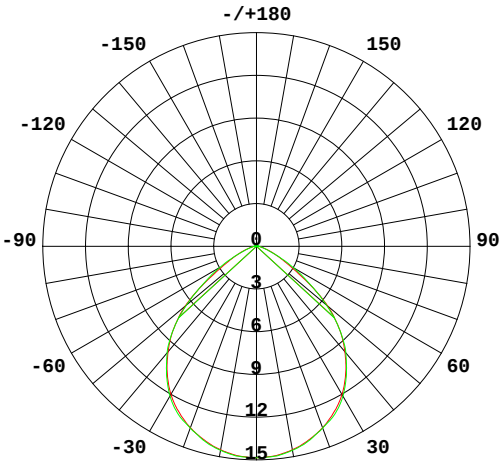
General specifications

Operating Voltage	24V DC		
Color range	RGB		RGBW2700K
CRI	≥80		
Power Consumption p/node	1.5W		2W
Channels p/node	3ch		4ch
Luminous Flux p/m	45Lm		64Lm
Max Run Single power feed	68 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	50gr		
Warranty	3 Years		

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

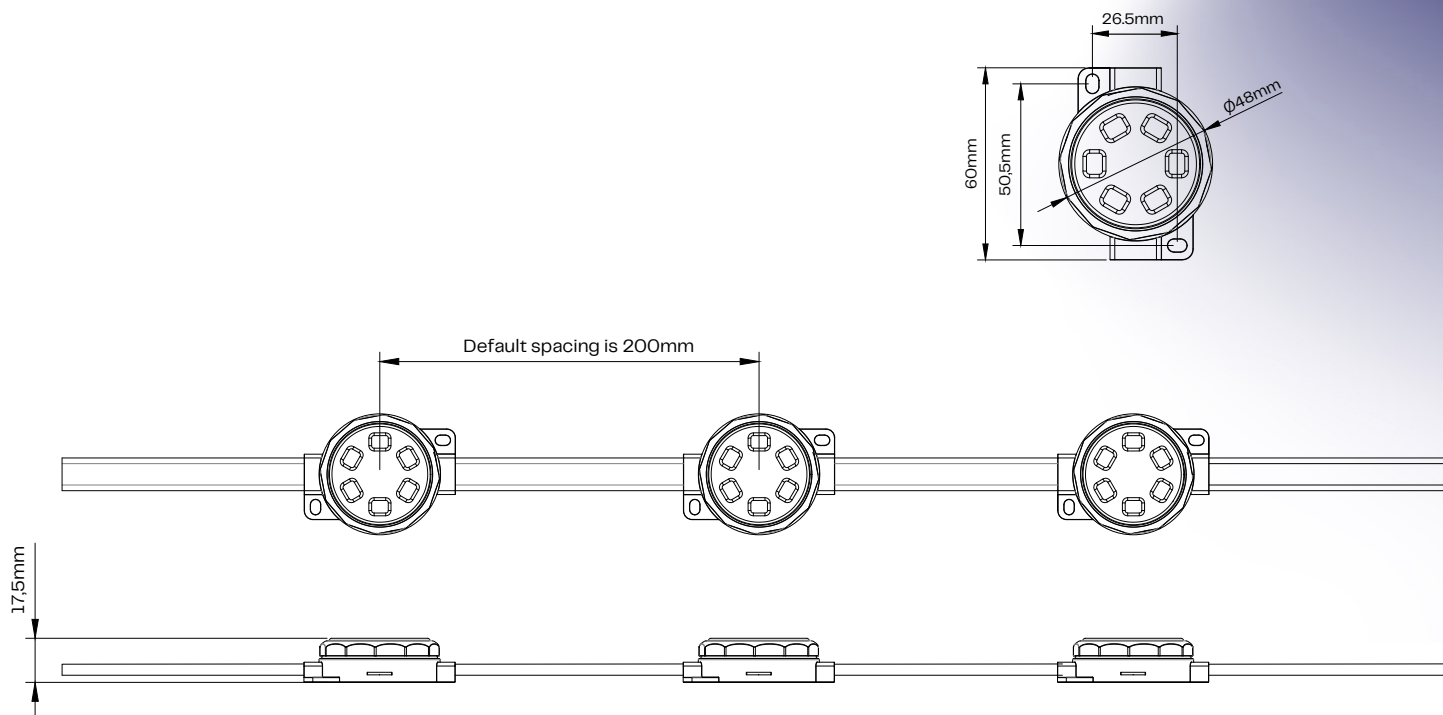
Model	Red	Green	Blue
RGB	620NM	520NM	465NM
RGBW2700K	620NM	520NM	465NM

Light distribution



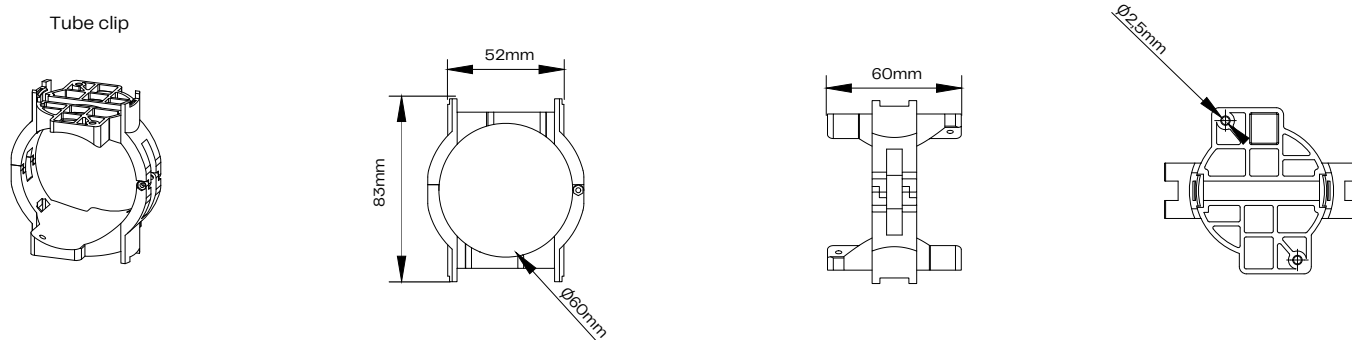
Average Beam angle: 94.9 Deg

Dimensions

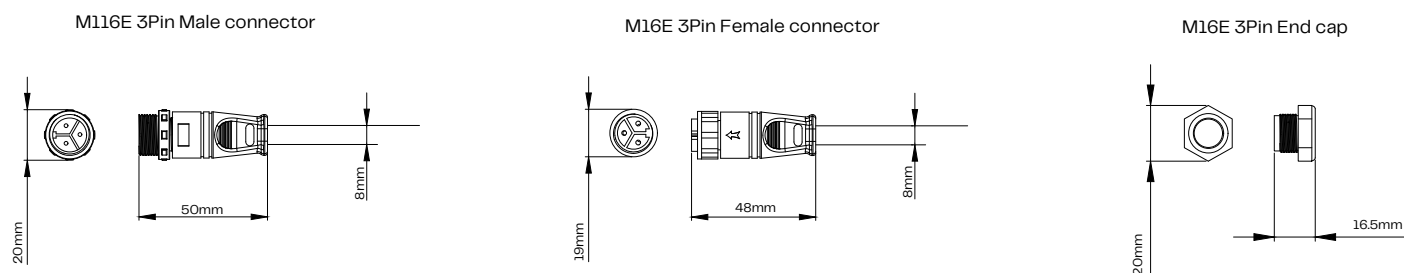


Accessories

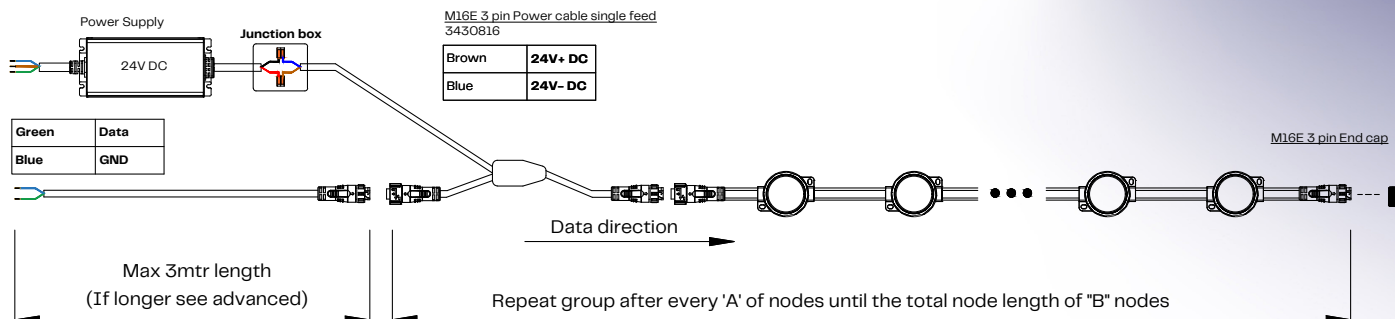
Example of a fully customized mounting solution.
Contact our sales team if you have any custom
project where our expertise can be unmissed!



Dimensions M16E 3Pin connectors & End cap



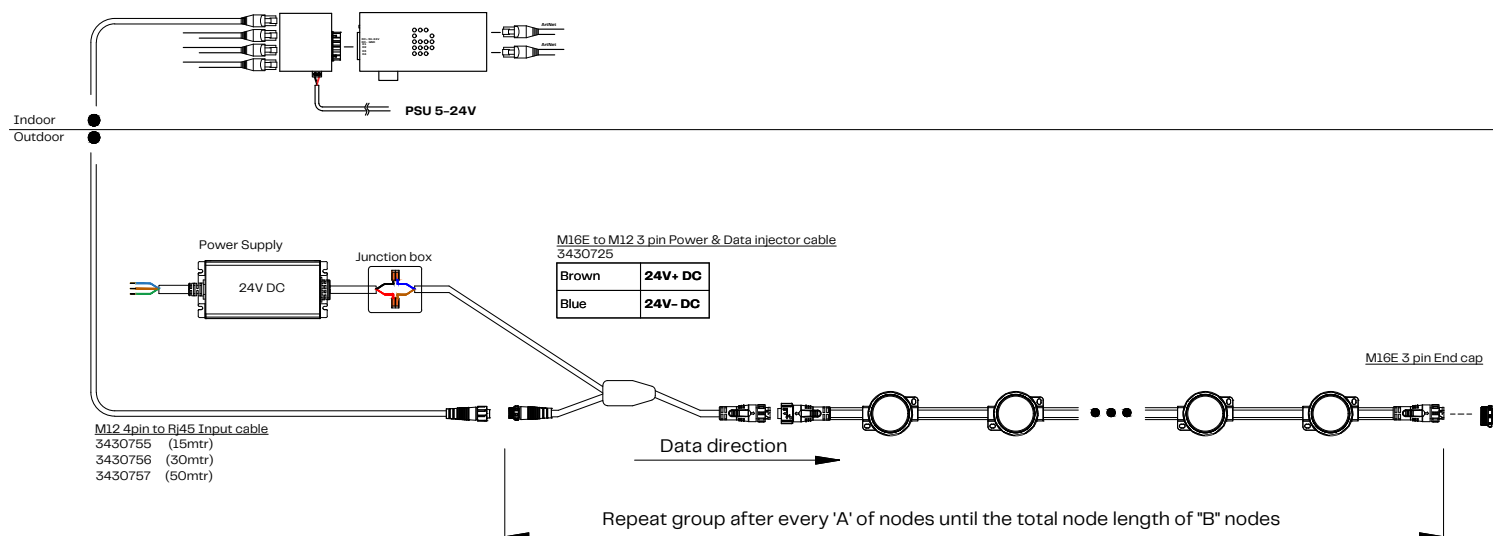
System diagram basic



Model	Voltage	A	B @25fps	B @50fps	Bit
E6S RGB	24V	68	1020	510	8
E6S RGBW	24V	68	768	384	8

Default nodes per string: 34 nodes (Customizable)
Default spacing: 200mm (Customizable)

System diagram advanced



Model	Voltage	A	B @25fps	B @50fps	Bit
E6S RGB	24V	68	1020	510	8
E6S RGBW	24V	68	768	384	8

Default nodes per string: 34 nodes (Customizable)
Default spacing: 200mm (Customizable)

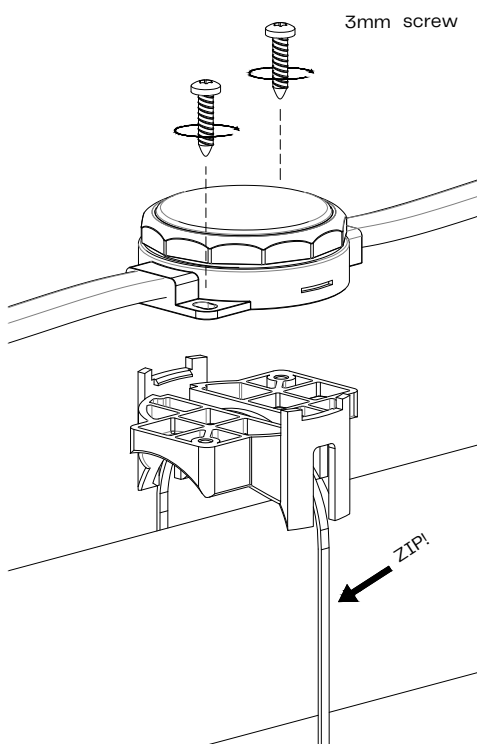
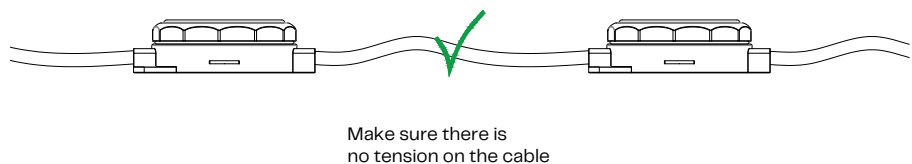
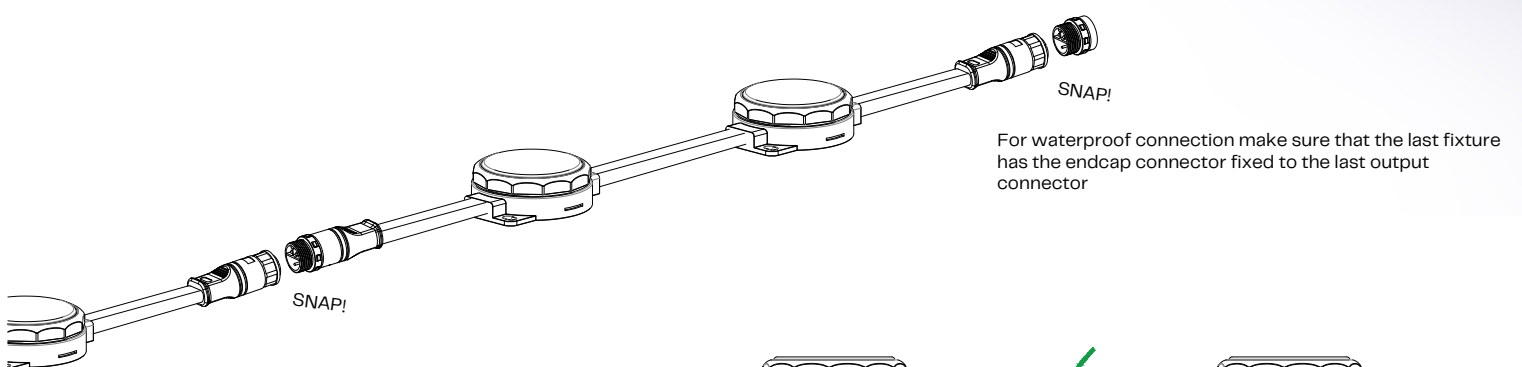
Installation guide

Important note:

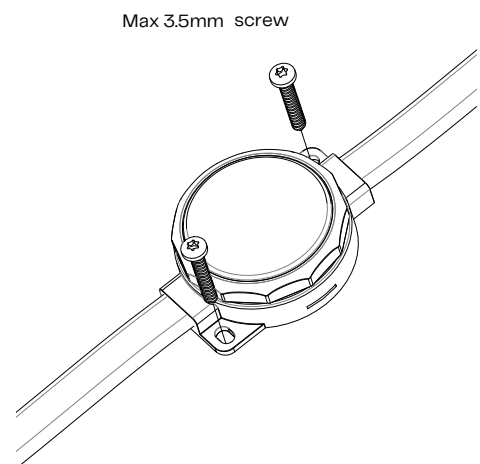
- Make sure power is disconnected during installation or maintenance.
- Keep cables and the DiGi Module protected from sharp objects to prevent damage
- The DiGi Module is a made-to-order product with the finish of the product specifically moulded to provide optimal weatherproof performance.
- Female 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.



Tube clip fixation



Screw fixation