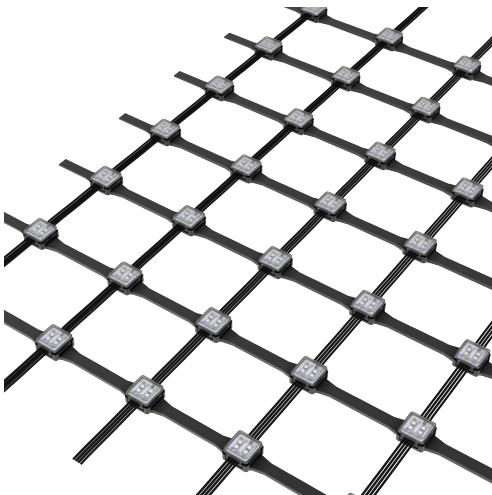


The DiGi Mesh 2 is a modular RGB LED mesh lighting system engineered for dynamic architectural and creative lighting applications. Controlled via PxLNet and SPI technology, it offers a flexible and high-performance solution suitable for both large-scale installations and tailored design projects.

Available in RGB, this mesh provides vibrant and dynamic lighting options to create stunning visual effects. Choose from pitch options of 40mm, 80mm, 100mm and 125mm to meet your specific design requirements.

Perfect for outdoor façades, media displays, public installations, and any project demanding programmable RGB lighting in challenging environments.



CE

RoHS

IP67

IK07

General specifications

General			
Power consumption (Watt per module)	0.6	1	1.4
Input Voltage (V DC)	12	24	24
LEDs per pixel	2	4	6
LED Chip	CREE	Epistar	Epistar
LED Type(SMD)	3535	2727	2727
Brightness p/m2 (P40)	2000cd	4000cd	6000cd
Channels per pixel	3		
Color range	RGB		
Control	SPI PxLNet		
IC Type	UCS8603		
Dimming	12bit		
Operating			
Environment	Outdoor		
Storage temp. (°C)	-30 to +75		
Working temp. (°C)	-20 to +65		
UV resistant	Yes		
Flame resistant	Yes		
IK Rating	IK07		
IP Rating	IP67		
Certification	CE, RoHS		
Warranty	3 years		
Installation Conditions			
Maximum run length single feed (Pixels)	170		
Maximum run length double feed (Pixels)	340		
Maximum run data (Pixels)	680		

Physical	
Housing Material	PC
Cable Material	PCP
Connector Material	Nylon (PA66)
Cover Material	PC
Housing Color	Black, Grey
Connector Type	M16E 3Pin
Height (mm)	22
Width (mm)	20
Thickness (mm)	10.6
Weight kg p/m2 (P40)	8
Weight kg p/m2 (P80)	2.3
Weight kg p/m2 (P100)	2
Weight kg p/m2 (P125)	1.5

Options

*12V Only
**24V Only

Voltage

☐ 12V

☐ 24V

LED Qty.

☐ 2*

☐ 4**

☐ 6**

Pitch

☐ P40

☐ P80

☐ P100

☐ P125

Housing Color

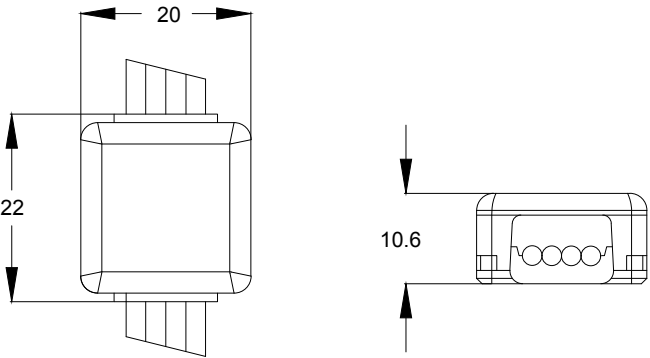
☐ Black

☐ Grey

Beam Angle	
Color Range	Beam Angle °
RGB	115°

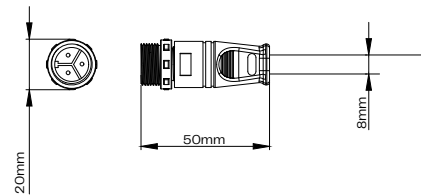
Dimensions (in mm)

Module

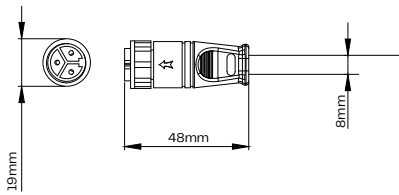


Connector

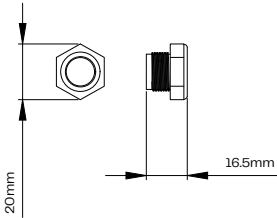
M116E 3Pin Male connector



M16E 3Pin Female connector

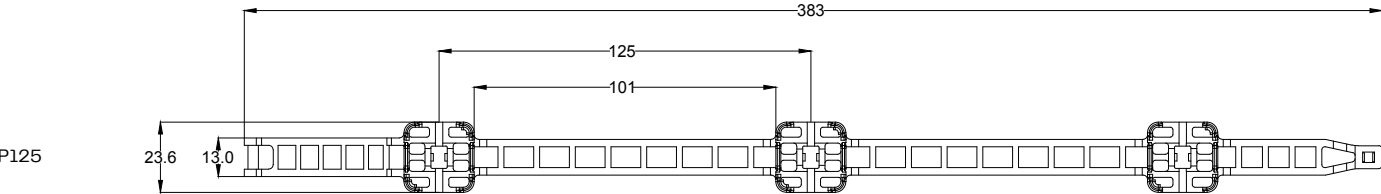
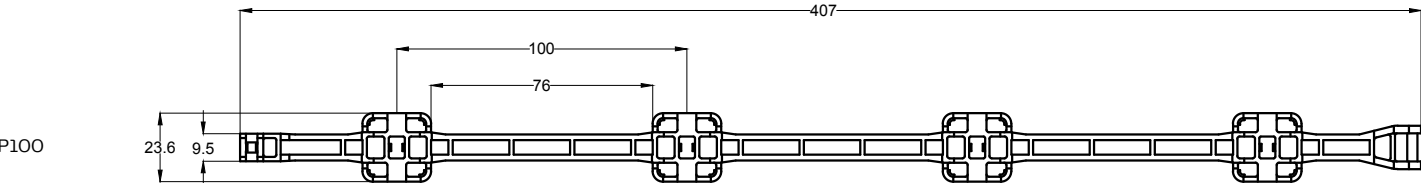
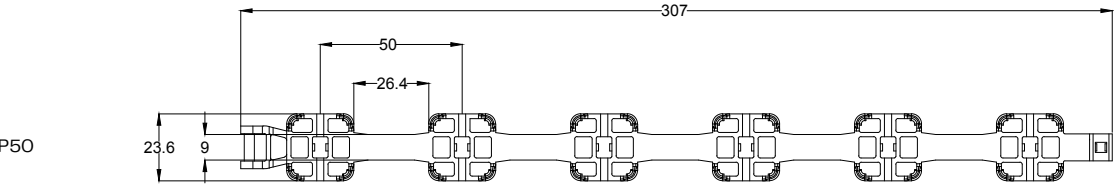
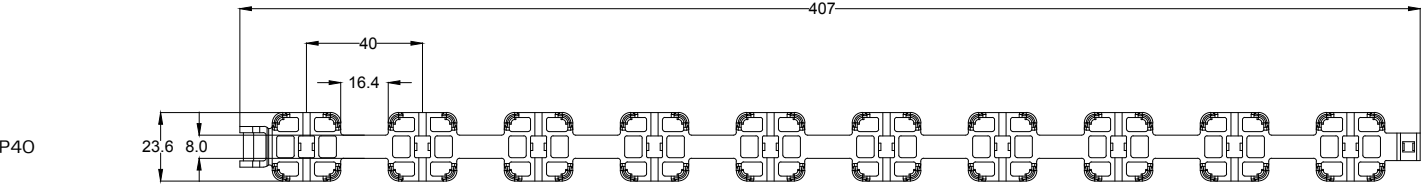


M16E 3Pin End cap



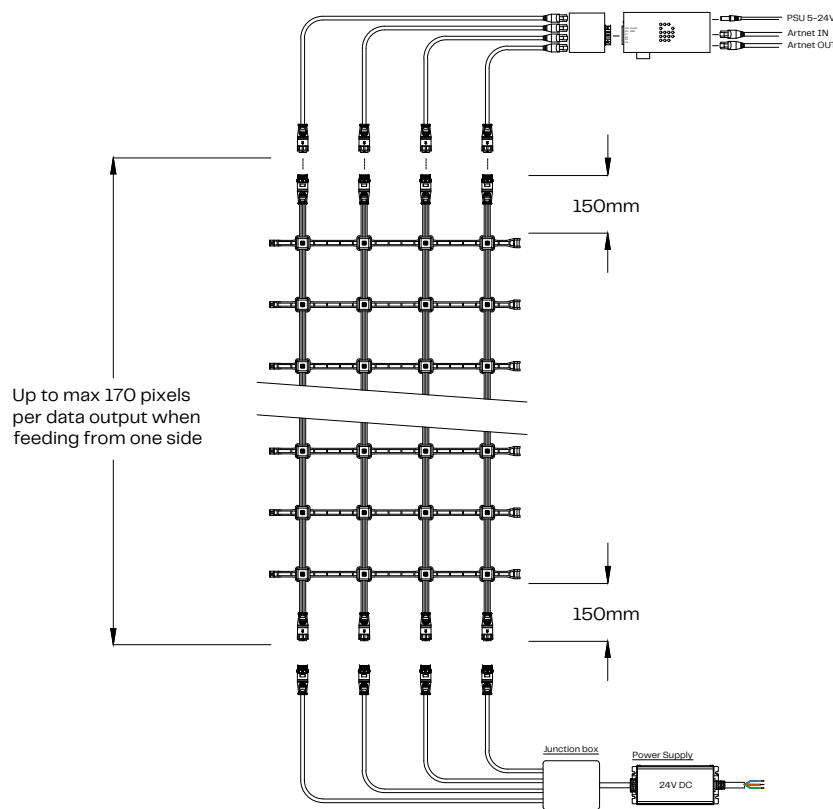
Dimensions (in mm)

Mounting frame

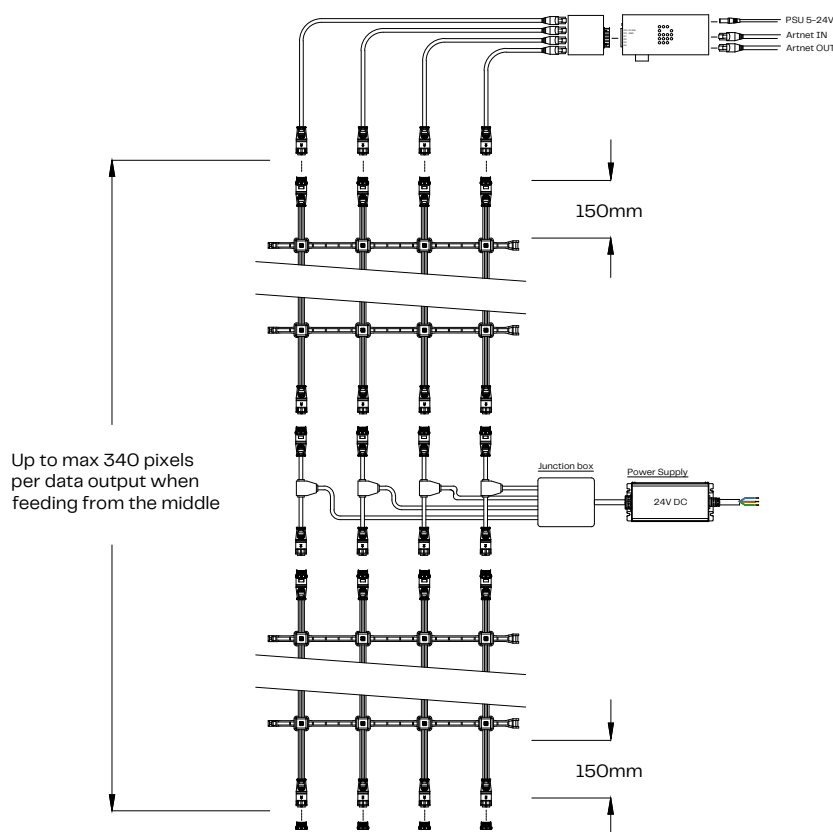


System Diagram Example

System Diagram Single power feed



System Diagram Double power feed



Installation guide

Guidelines

General

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

