

# Bright Green Matrix

Bright Green Matrix™ is a modular IP67 LED system for general backlighting. Installation is simple, using a dedicated install kit or standard brackets. By varying the layout, the brightness, power requirement and capital cost can be controlled.



## Specification-25mm LED pitch

	310mm	610mm	910mm	1210mm	1510mm	1810mm
Product Code	MS-S25*-310	MS-S25*-610	MS-S25*-910	MS-S25*-1210	MS-S25*-1510	MS-S25*-1810
Operating Voltage	24V					
Principal Materials	FR4 PCB/Aluminium					
Lumen Maintenance	>50.000 hours					
Colour*	Standard: 27=2700K, 30=3000K, 40=4000K, 57=5700K, 65=6500K Custom: 20=2000K, 70=7000K, 90=9000K					
Dimmable	Yes					
LED Pitch	25mm					
Weight	0.07kg	0.14kg	0.21kg	0.28kg	0.35kg	0.42kg
Power	3.60W	7.20W	10.7W	14.4W	18W	21.4W
Lumens	348	696	1044	1392	1740	2088
Number of LEDs	12	18	24	48	60	72
Photo Biological Classification	IEC 62471 Exempt					

# DATASHEET

## Bright Green Matrix

### Specification-50mm LED pitch

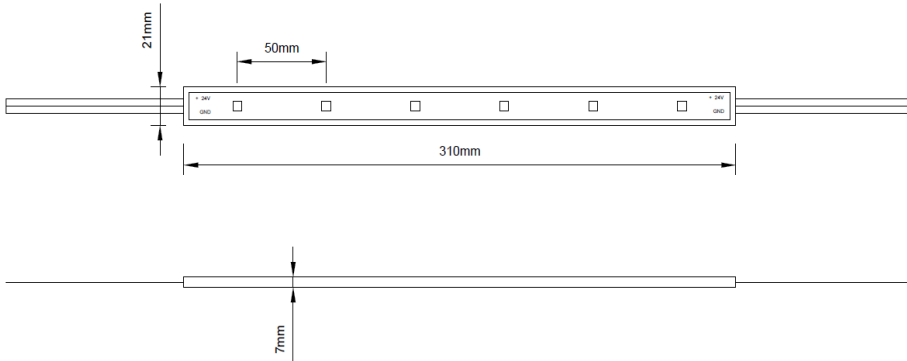
	310mm	610mm	910mm	1210mm	1510mm	1810mm
Product Code	MS-S50*-310	MS-S50*-610	MS-S550*-910	MS-S50*-1210	MS-S50*-1510	MS-S50*-1810
Operating Voltage	24V					
Principal Materials	FR4 PCB/Aluminium					
Lumen Maintenance	>50.000 hours					
Colour*	22=2200K, 27=2700K, 30=3000K, 50=5000K, 65=6500K					
Dimmable	Yes					
LED Pitch	50mm					
Weight	0.07kg	0.14kg	0.21kg	0.28kg	0.35kg	0.42kg
Power	1.8W	3.6W	5.4W	7.2W	9W	10.7W
Lumens	174	348	522	696	870	1044
Number of LEDs	6	12	18	24	30	36
Photo Biological Classification	IEC 62471 Exempt					



## DATASHEET

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## Dimensions - 310mm example



## Electrical connection

25mm pitch-connect to a 24V LED driver. If connected in series, the total length of the group must not exceed 2 metres

50mm pitch-connect to a 24V LED driver. If connected in series, the total length of the group must not exceed 4 metres

## Operational notes

Operating temperature range: -30° to 85°C. Storage temperature range: -30° to 85°C. Voltage range: 24V DC (50mm).

Reverse voltage: 24V DC (50mm).

Avoid mechanical stress during and after installation. Avoid straining the cable or cable/module join.

Bright Green Matrix is not recommended for external marine environments.

Bright Green Matrix is ECA compliant for amenity, accent and display lighting.

## Connection

Installation should be carried out by suitably qualified personnel. Please see the Bright Green Matrix install guide for electrical connection and handling guidelines