

# Bright Green Matrix Data Sheet

**Bright Green Matrix™ is a modular LED system for general backlighting. Choose Bright Green Matrix™ for new builds or retrofits of existing displays.**

## Features

- Available in a family of 6 sizes
- Available in 50mm or 100mm LED pitch
- Rugged aluminium construction
- Optimum thermal efficiency and brightness
- IP67 for external use
- Mounting and hanging accessories available



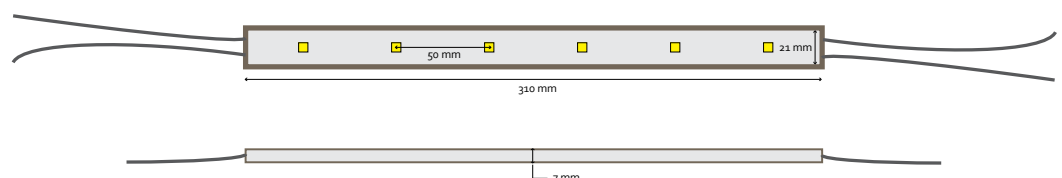
## Product Range

50mm LED pitch						
Product code	Colour	Colour K	Lumens	Voltage	Power	Weight
MS-S50CW-310	Cool white	6950 - 8200	162	24	2.4W	0.07Kg
MS-S50CW-610	Cool white	6950 - 8200	324	24	4.8W	0.14Kg
MS-S50CW-910	Cool white	6950 - 8200	486	24	7.2W	0.21Kg
MS-S50CW-1210	Cool white	6950 - 8200	648	24	9.6W	0.28Kg
MS-S50CW-1510	Cool white	6950 - 8200	810	24	12.0W	0.35Kg
MS-S50CW-1810	Cool white	6950 - 8200	972	24	14.4W	0.42Kg

100mm LED pitch						
Product code	Colour	Colour K	Lumens	Voltage	Power	Weight
MS-S100CW-310	Cool white	6950 - 8200	81	12	1.2W	0.07Kg
MS-S100CW-610	Cool white	6950 - 8200	162	12	2.4W	0.14Kg
MS-S100CW-910	Cool white	6950 - 8200	243	12	3.6W	0.21Kg
MS-S100CW-1210	Cool white	6950 - 8200	324	12	4.8W	0.28Kg
MS-S100CW-1510	Cool white	6950 - 8200	405	12	6.0W	0.35Kg
MS-S100CW-1810	Cool white	6950 - 8200	486	12	7.2W	0.42Kg

Bright Green Matrix is also available in neutral white, warm white and RGB format

## Dimensions\*



\*example dimensions for MS-S50Cw-310

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## Data Sheet

### Connection

**50mm pitch** - connect to a 24V power supply. If connected in series, total length of the group must not exceed 4 meters.

**100mm pitch** - connect to a 12V power supply. If connected in series, total length of the group must not exceed 8 meters.

Refer to the installation guide for detailed instructions

### Operation Notes

**Operating temperature range:** -30 - 85 C

**Storage temperature range:** - 30 - 85C

**Voltage range:** 25V DC (50mm), 13V DC (100mm)

**Reverse voltage:** 25V DC (50mm), 13V DC (100mm)

Avoid mechanical stress during and after installation

Avoid straining the cable or cable/module join

Connect to a stabilised power supply with full approvals

Bright Green Matrix is not recommended for external marine environments

Installation should be carried out by suitably qualified personnel

Remove un-connected cable tails during/after installation

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

UMSUG charge code available on request

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