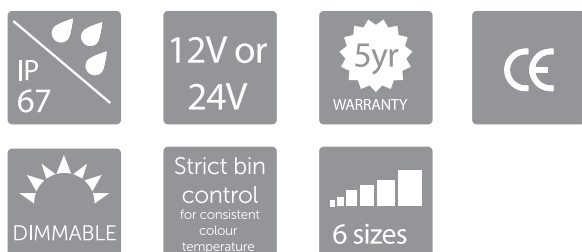


# Bright Green Matrix

Bright Green Matrix™ is a modular 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.



ECA Compliant

## Product Range

25mm LED pitch

Product code	Colour	Colour K	Lumens/ module*	Voltage	Power/ module*	Number of LEDs	CRI	Weight
MS-S25CW-310	Cool white	6800-7200	348	24	3.8W	12	>80	0.07kg
MS-S25CW-610	Cool white	6800-7200	696	24	7.7W	24	>80	0.14kg
MS-S25CW-910	Cool white	6800-7200	1044	24	11.5W	36	>80	0.21kg
MS-S25CW-1210	Cool white	6800-7200	1392	24	15.4W	48	>80	0.28kg
MS-S25CW-1510	Cool white	6800-7200	1740	24	19.2W	60	>80	0.35kg
MS-S25CW-1810	Cool white	6800-7200	2088	24	23.0W	72	>80	0.42kg

50mm LED pitch

Product code	Colour	Colour K	Lumens/ module*	Voltage	Power/ module	Number of LEDs	CRI	Weight
MS-S50CW-310	Cool white	6800-7200	174	24	1.9W	6	>80	0.07kg
MS-S50CW-610	Cool white	6800-7200	348	24	3.9W	12	>80	0.14kg
MS-S50CW-910	Cool white	6800-7200	522	24	5.8W	18	>80	0.21kg
MS-S50CW-1210	Cool white	6800-7200	696	24	7.7W	24	>80	0.28kg
MS-S50CW-1510	Cool white	6800-7200	870	24	9.6W	30	>80	0.35kg
MS-S50CW-1810	Cool white	6800-7200	1044	24	11.6W	36	>80	0.42kg

100mm LED pitch

Product code	Colour	Colour K	Lumens/ module*	Voltage	Power	Number of LEDs	CRI	Weight
MS-S100CW-310	Cool white	6800-7200	87	12	1.0W	3	>80	0.07kg
MS-S100CW-610	Cool white	6800-7200	174	12	2.0W	6	>80	0.14kg
MS-S100CW-910	Cool white	6800-7200	261	12	2.9W	9	>80	0.21kg
MS-S100CW-1210	Cool white	6800-7200	348	12	3.9W	12	>80	0.28kg
MS-S100CW-1510	Cool white	6800-7200	435	12	4.8W	15	>80	0.35kg
MS-S100CW-1810	Cool white	6800-7200	522	12	5.9W	18	>80	0.42kg

\* Typical values.

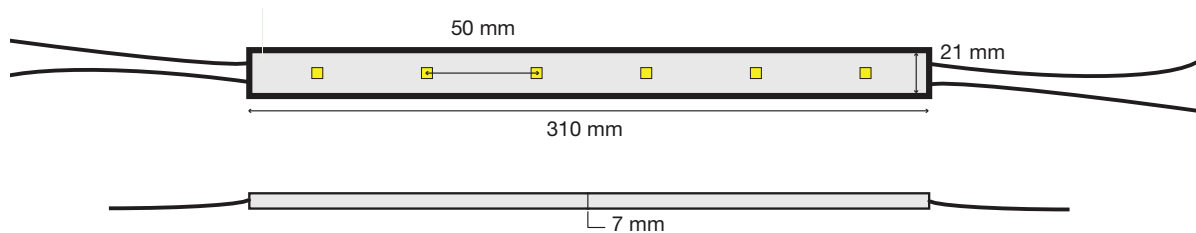
Tel +44 (0) 1932 355221 Email [info@brightgreentechnology.com](mailto:info@brightgreentechnology.com)  
 Find out more at [www.brightgreentechnology.com](http://www.brightgreentechnology.com)  
 or buy online at [www.brightgreendirect.com](http://www.brightgreendirect.com)

© 2015 Bright Green Technology Limited



# Bright Green Matrix

## Dimensions\*



\* Example dimensions for MS-S50CW-310

## Electrical Connection

25mm pitch - connect to a 24V power supply.

If connected in series, total length of the group must not exceed 2 metres.

50mm pitch - connect to a 24V power supply.

If connected in series, total length of the group must not exceed 4 metres.

100mm pitch - connect to a 12V power supply.

If connected in series, total length of the group must not exceed 8 metres.

## Operation Notes

Operating temperature range: -30° to 85°C.

Storage temperature range: -30 to 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.

Bright Green Matrix is not recommended for external marine environments.

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

UMSUG charge codes for 25mm and 50mm variants are available on request.

## Connection

Installation should be carried out by suitably qualified personnel. Connect to a stabilised power supply with full approvals.

Remove un-connected cable tails during/after installation.

