

# bright green. LED LIGHT PANEL



Bright Green LED Light Panel is a slim, efficient and easy way to illuminate graphics, signs and architectural features.

LED light panels are custom engraved acrylic sheets, illuminated by LEDs from the edge. This light guide design ensures bright, even illumination across the whole panel.

12V or  
24V



HIGH  
CRI  
OPTION

IES  
FILE  
AVAILABLE



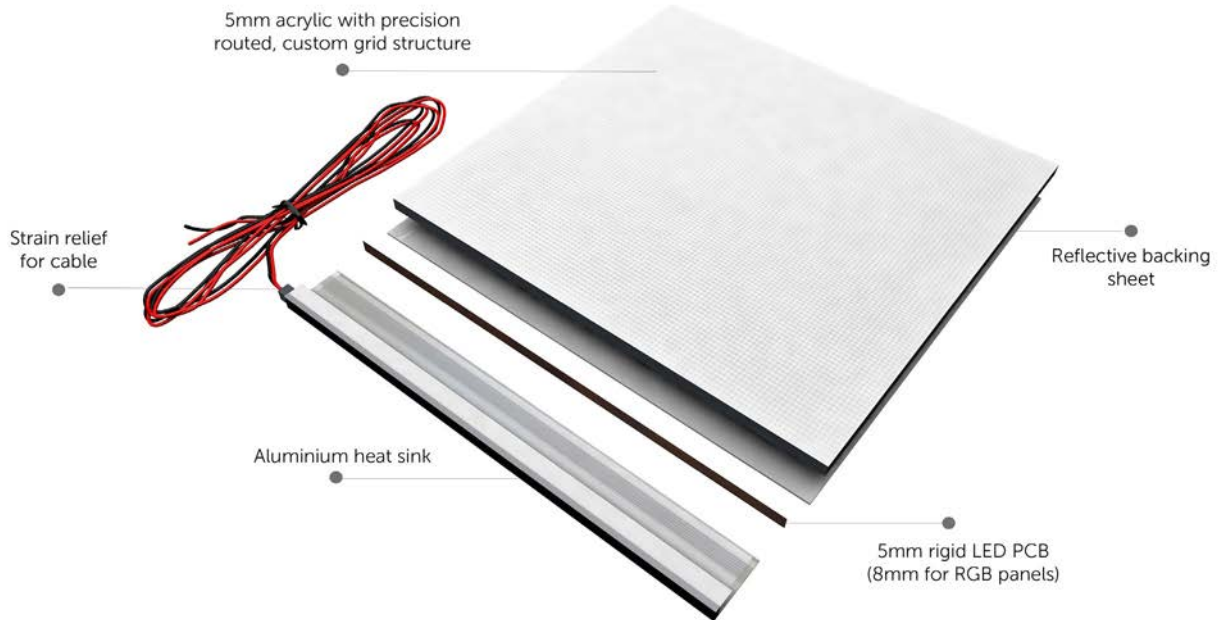
## Specification

DETAIL	SPECIFICATION	
Maximum illuminated dimensions	2400 x 1200mm (larger sizes available on request)	
Panel thickness	5mm as standard, other options available	
Operating voltage	12V DC	24V DC
	2700,3000,4000,5300,6500K	2200,3000,4000,5300,6500,RGB, RGBW,Dynamic
Power per linear metre	20W for white, 14.4W for RGB and 23W for Dynamic	
Luminous efficacy (6000K)	126 lm/W	
Colour temperature	2200, 2700K, 3000K, 4000K, 5300K, 6500K, RGB and Dynamic White	
CRI	CRI > 80 (>90 available on request)	
LED chip manufacturer	Samsung/LG	
Power cable length	1 metre as standard or to requested specification	
Principal materials	Aluminium, acrylic, PET	
Lifetime	L70 > 50,000 hours	
Warranty	3 years	
Dimmable	0-10V, DALI, DMX	
Operating temperature	-10° to 45°C	
Storage temperature	-20° to 60°C	
Wire	20AWG stranded cable	
Certification	LM80	

## DATASHEET

# bright green. LED LIGHT PANEL

### Exploded view



### Connectors and brackets

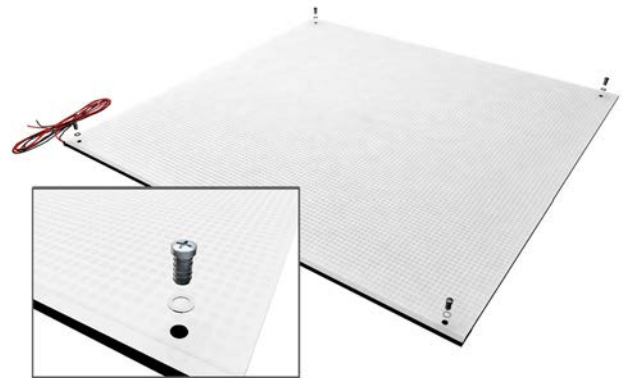


LED Light Panel is supplied with a 1 metre cable tail or a connector if required.

Common connectors include:

2.1 Female DC, Mini Mate-N-Lok or JST-XHP-02.

Other connectors are available on request.



Fixing holes must not be drilled on site. A drawing should be supplied if holes are required.

## DATASHEET

# bright green. LED LIGHT PANEL

### Dimensions

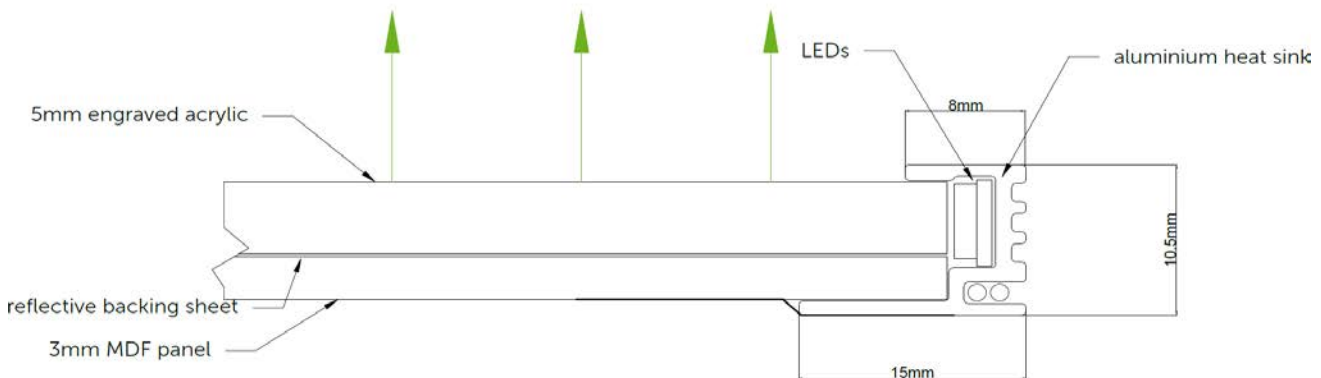
#### Frame A

Weight per sq mtr: 7.0kg



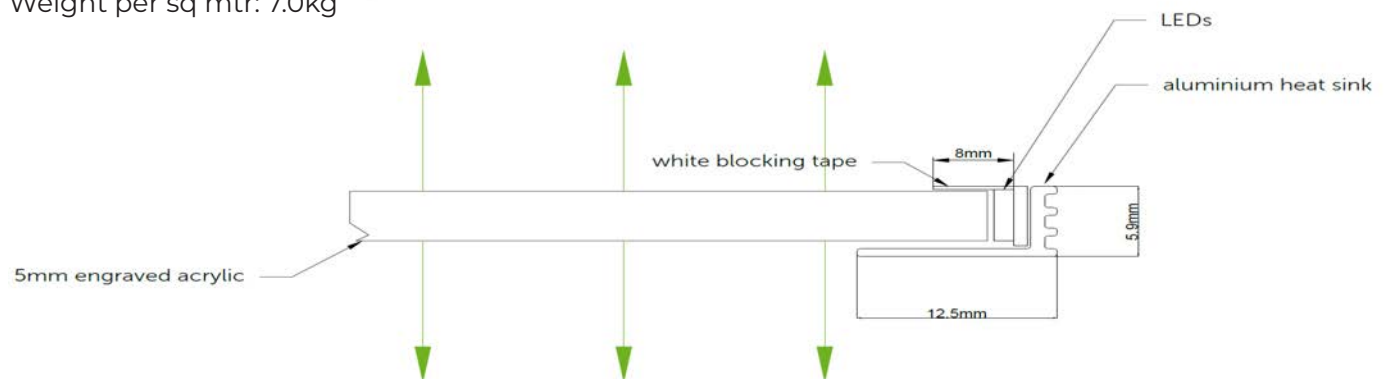
#### Frame B

Weight per sq mtr: 9.0kg



#### Frame C - Double Sided

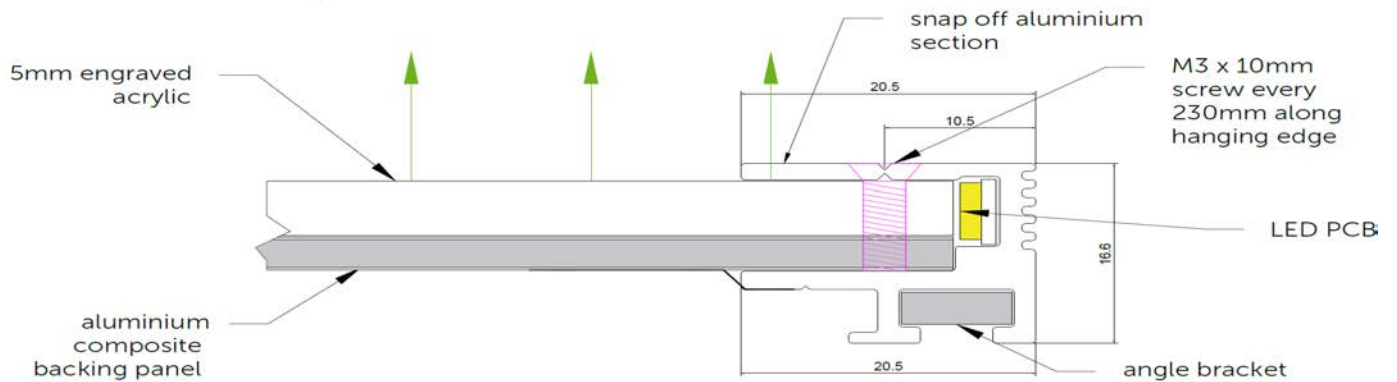
Weight per sq mtr: 7.0kg



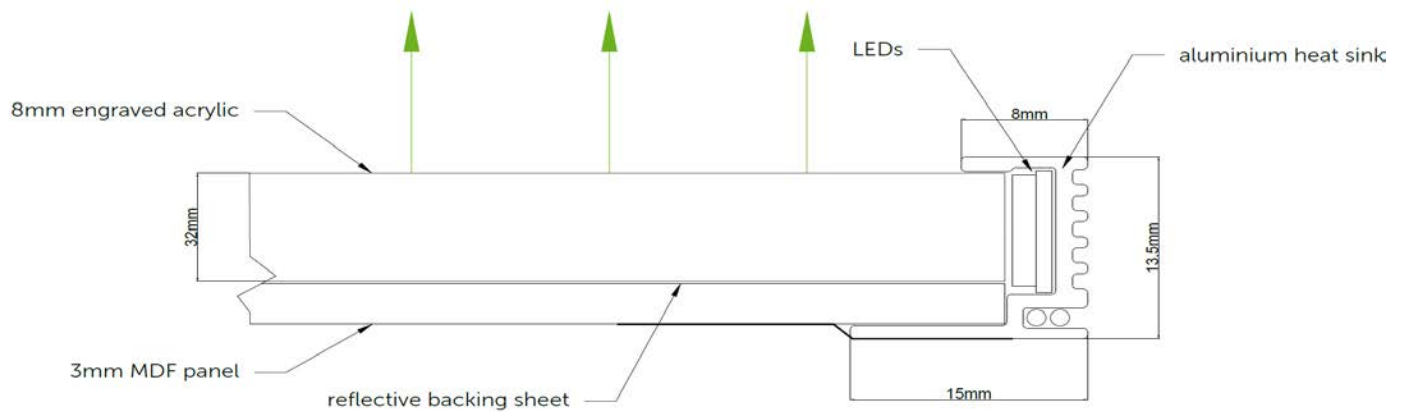
DATASHEET

# bright green. LED LIGHT PANEL

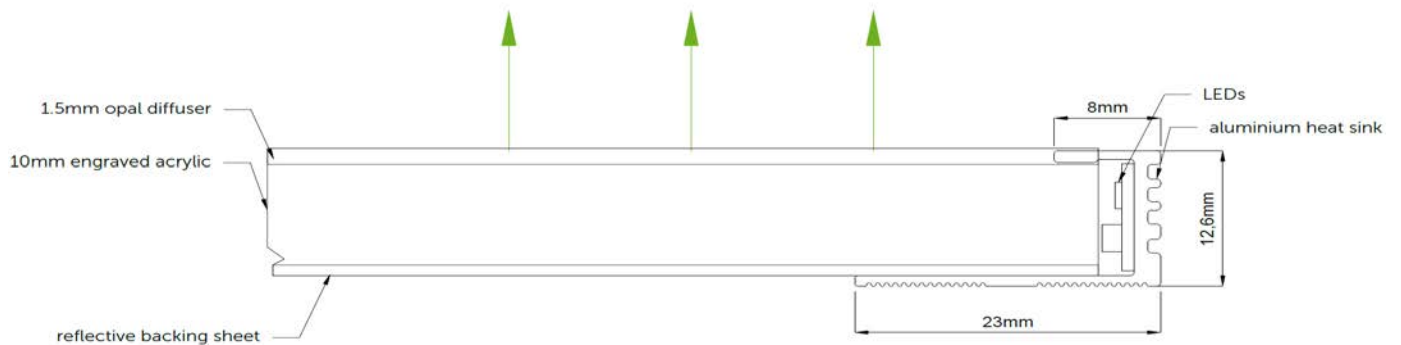
Frame D - High strength  
Weight per sq mtr: 14kg



Frame E - RGB/Dynamic  
Weight per sq mtr: 11.2kg



Frame F - RGBW  
Weight per sq mtr: 11.2kg



DATASHEET

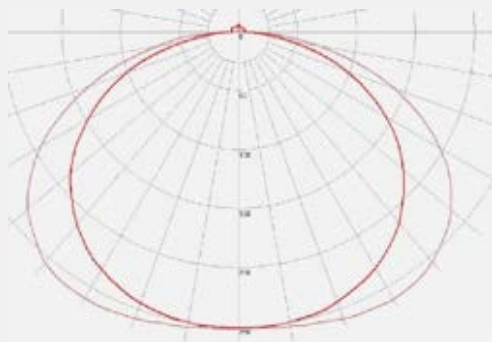
bright green.

# LED LIGHT PANEL

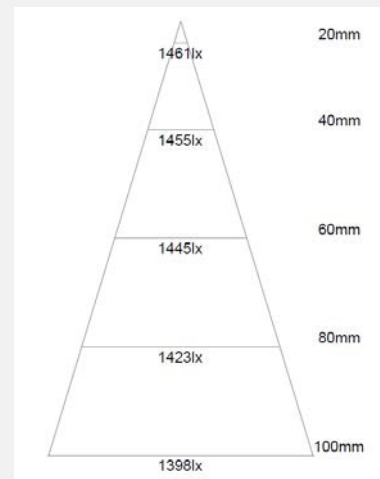
## Photometric Data

Example using a 600 x 600mm panel

Light  
distribution



Lux test



## Connection

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

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

© 2022 Bright Green Technology Limited V22.08