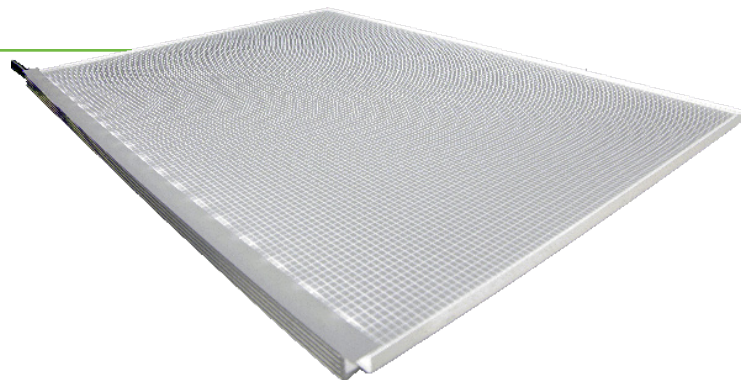


Bright Green LED Light Panel

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.



Specification

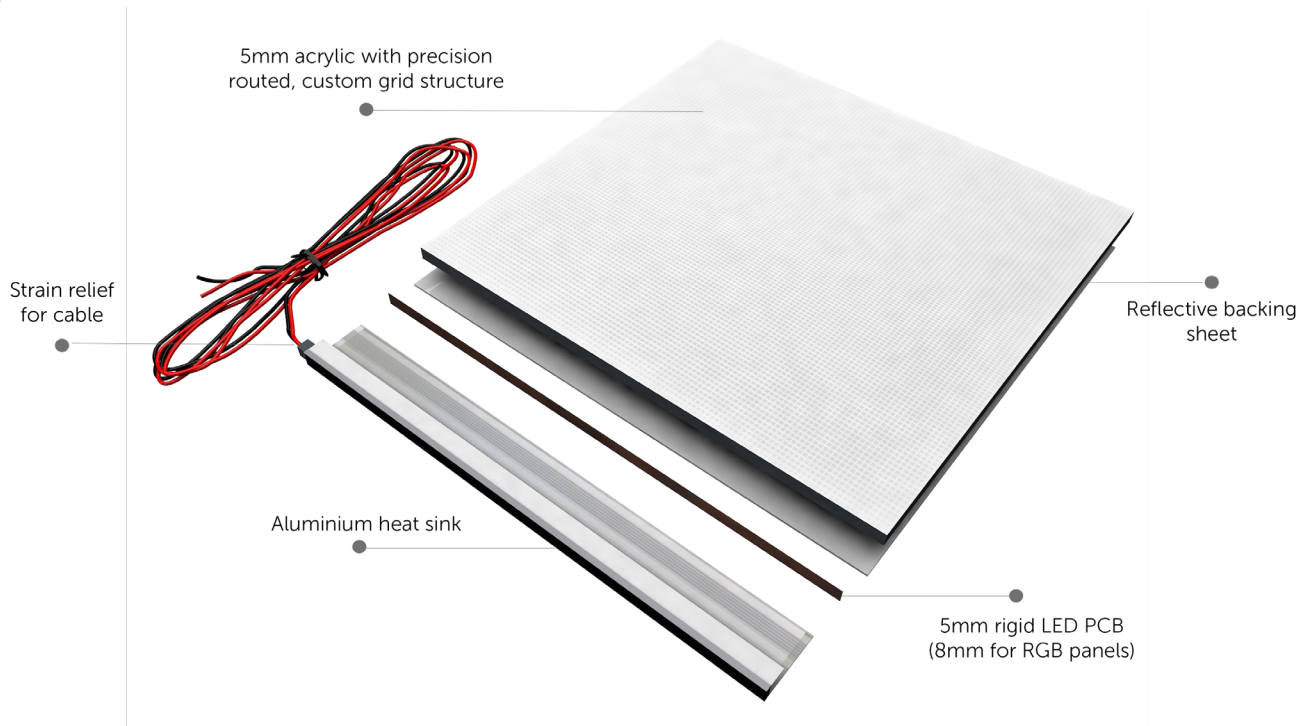
Maximum illuminated dimensions	2400 x 1200mm (larger sizes available on request)
Panel thickness	5mm as standard, other options available
Operating voltage	12V or 24V DC
Power per linear metre	20W for white, 14.4W for RGB and Dynamic White
Luminous Efficacy (White LED)	125 lm/W
Colour temperature	2700K, 3000K, 4000K, 5300K, 6500K, RGB and Dynamic White
CRI	CRI > 80 (>90 available on request)
LED chip manufacturer	Samsung
Power cable length	1 metre as standard or to requested specification
Principal materials	Aluminium, acrylic, PET
Lifetime	L70 at 50,000 hours
Warranty	3 years
Dimmable	0-10V, DALI, DMX
Operating temperature	-10° to 45°C
Storage temperature	-20° to 60°C
Wire	20 AWG stranded cable
Certification	LM80

[To find out more about the PCB used in our LED Light Panel click here](#)

Tel +44 (0) 1932 355221 Email info@brightgreentechnology.com
Find out more at www.brightgreentechnology.com
or visit www.ledlightpanel.co.uk

Bright Green LED Light Panel

Exploded view



All LED Light Panels are custom manufactured with an optimised grid pattern for the panel size. This maximises performance and light distribution.

Connectors

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.

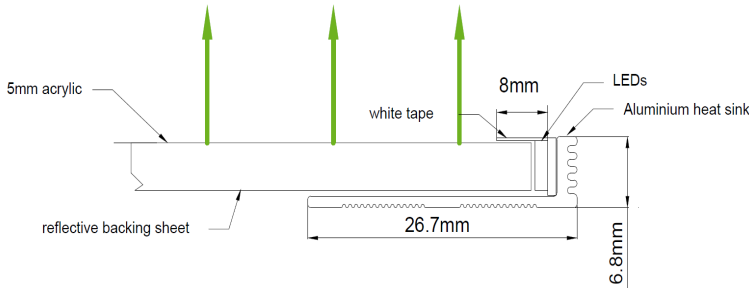


Bright Green LED Light Panel

Dimensions

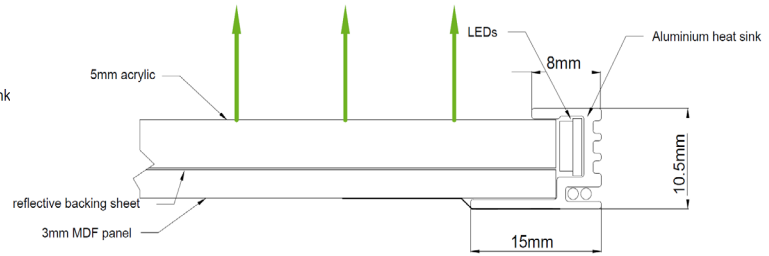
LED Light Panel - Frame A

Weight per sq mtr: 7.0kg



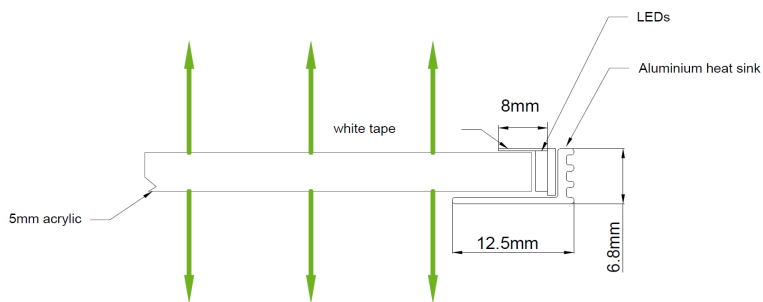
LED Light Panel - Frame B

Weight per sq mtr: 9.5kg



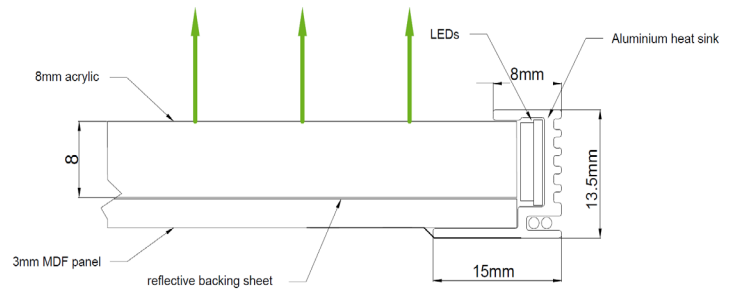
LED Light Panel - Frame C - Double Sided

Weight per sq mtr: 7.0kg



LED Light Panel - RGB

Weight per sq mtr: 11.5kg



Tel +44 (0) 1932 355221 Email info@brightgreentechnology.com

Find out more at www.brightgreentechnology.com

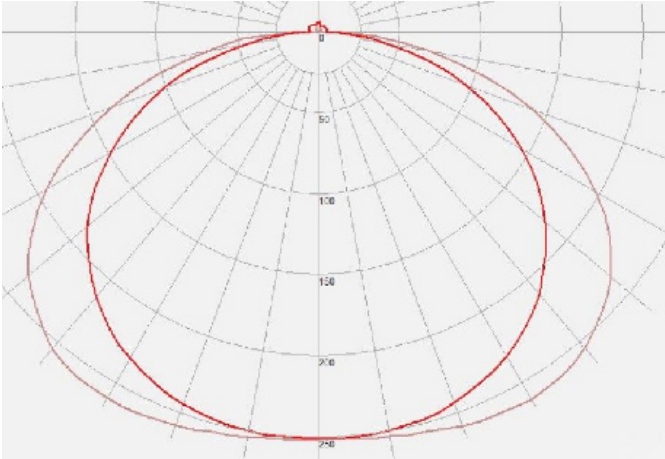
or visit www.ledlightpanel.co.uk

© 2018 Bright Green Technology Limited

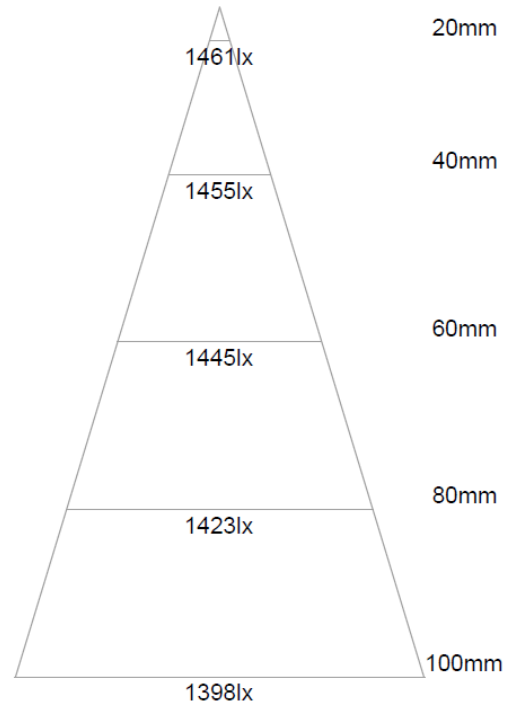
Bright Green LED Light Panel

Photometric Data - Example using a 600 x 600mm panel

Light Distribution Diagram



Lux Test Diagram



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 Email info@brightgreentechnology.com

Find out more at www.brightgreentechnology.com

or visit www.ledlightpanel.co.uk

© 2018 Bright Green Technology Limited