

LED light panel

Bright Green LED Light Panel is a slim, efficient and easy way to illuminate 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

TITLE IN HERE	SPECIFICATION
Maximum illuminated dimensions	2400 x 1200mm
Panel thickness	5mm as standard, other options available
Operating voltage	12V or 24V DC
Power per linear metre	20W for white, 14.4W for Dynamic White
Luminous Efficacy (White LED)	92 lm/W
Colour temperature	2700K, 3000K, 4000K, 6500K and Dynamic White
CRI	>97
R9	>90
Bin specification	1/4 bin
LED chip manufacturer	Yuji (Japan)
Power cable length	1 metre as standard or to requested specification
Principal materials	Aluminium, acrylic, PET
Lifetime	L70 at 50,000 hours
Warranty	7 years
Dimmable	0-10V, DALI, DMX and others
Operating temperature	-10° to 45°C
Storage temperature	-20° to 60°C
Wire	20 AWG stranded cable
Certification	LM80

12V
OR
24V



HIGH
CRI

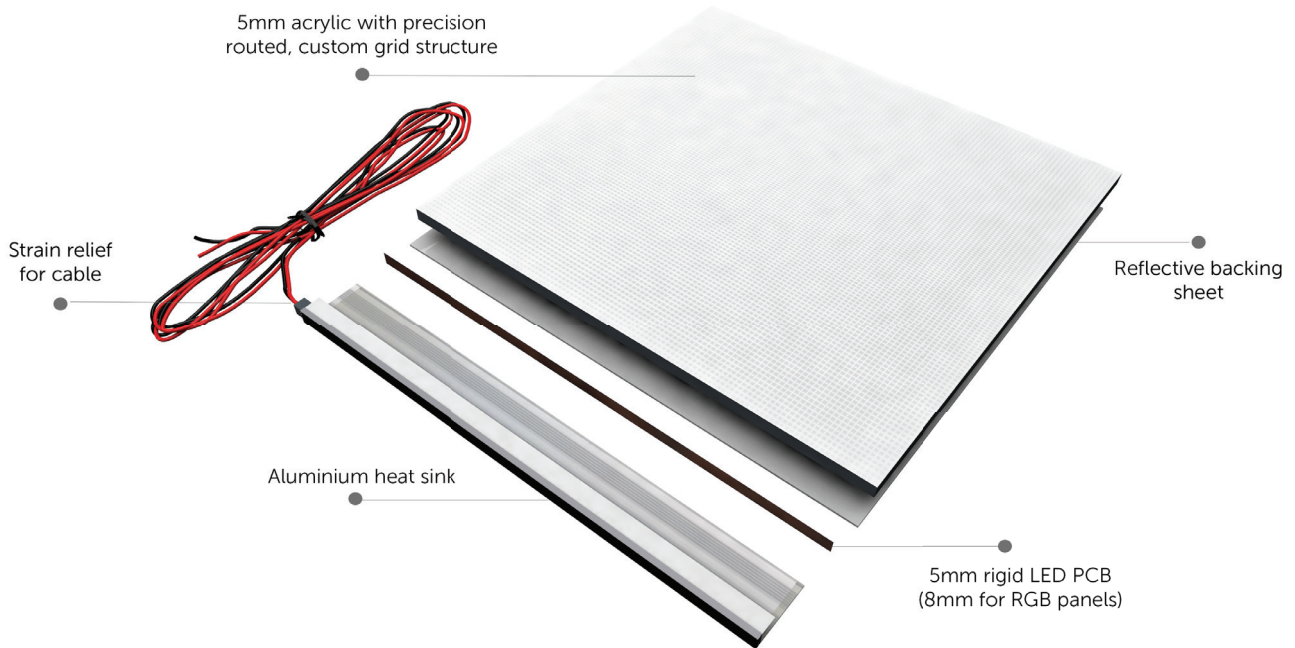


Bright Green Light Panel



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

Light Panel exploded view



Cable Tails and Connectors

Cable Tail:

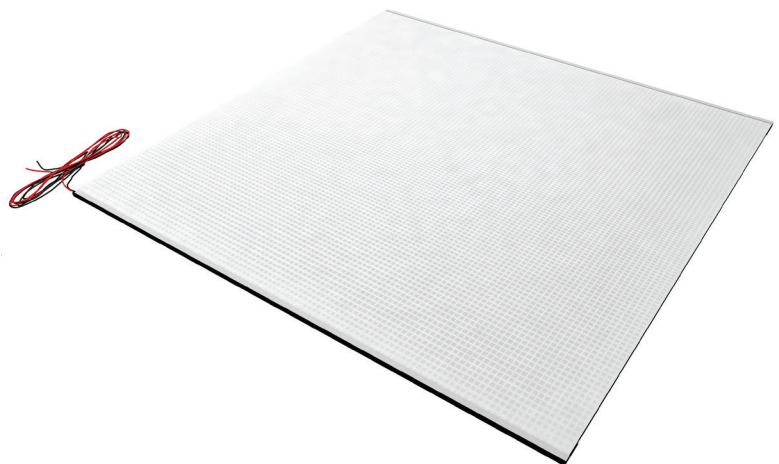
LED Light Panel is supplied with a 1 metre cable tail or a connector if required

Common connectors include:

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

Other connectors:

Available on request



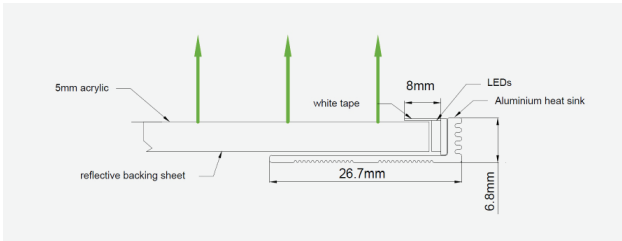
LED Light Panel

LED Light Panel is available in 4 frame options



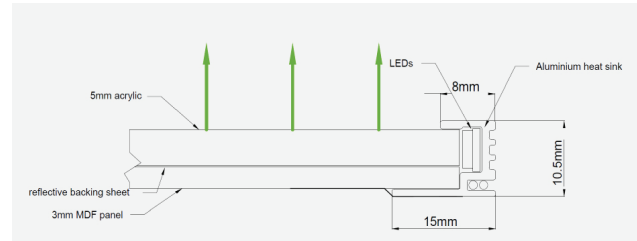
Frame A

Weight per square metre: 7.0kg



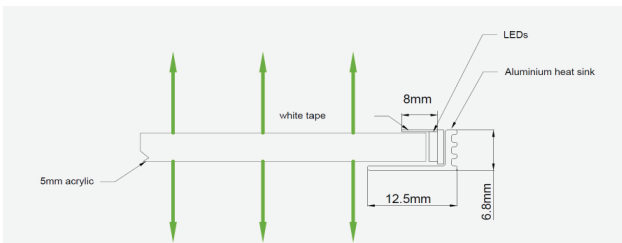
Frame B

Weight per square metre: 9.5kg



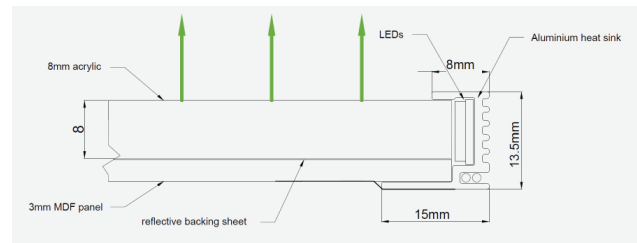
Frame C - Double sided

Weight per square metre: 7.0kg



RGB

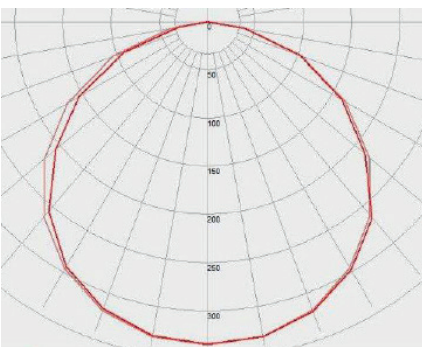
Weight per square metre: 11.5kg



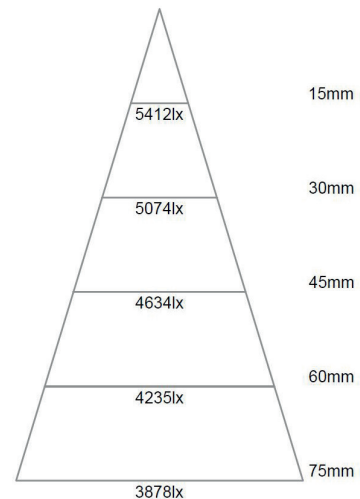
Photometric Data

Example using a 600 x 600mm Light 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.