

PRO Range

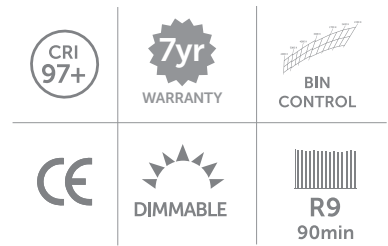


Bright Green Grid

A modular tile system for backlighting areas that require high brightness at restricted depth.

Bright Green Grid is suitable for depths >40mm, V0 fire rated, adjustable on site and available in multiple specifications.

Specification



	Grid 30	Grid 30	Grid 30	Grid 30
Product code	PBGG-30CW-300312	PBGG-30CW-60312	PBGG-30CW-30052	PBGG-30CW-6052
Operating voltage	24V			
Principal materials	FR4 PCB			
Lumen maintenance	> 50,000 hours			
Colour temperature	2200K, 2700K, 3000K, 4000K, 6500K, Dynamic			
CRI	>97			
R9	>90			
Bin specification	1/4 bin			
LED chip manufacturer	Yuji (Japan)			
Warranty	7 years			
Dimmable	Yes			
Operating temperature	-30°C to 50°C			
Storage temperature	0°C to 30°C			
LED Pitch	30mm standard			
Fire rating performance	Flame class V-0			
Dimensions (mm)	312 x 300	312 x 60	52 x 300	52 x 60
Thickness	PCB: 1.2mm, 5.5mm including connectors			
Power	6.50W	1.30W	1.30W	0.32W
Lumens per panel	1085	215	179	36
Photo biological classification	IEC 62471 exempt			
Certification	LM80, IEC 62031			

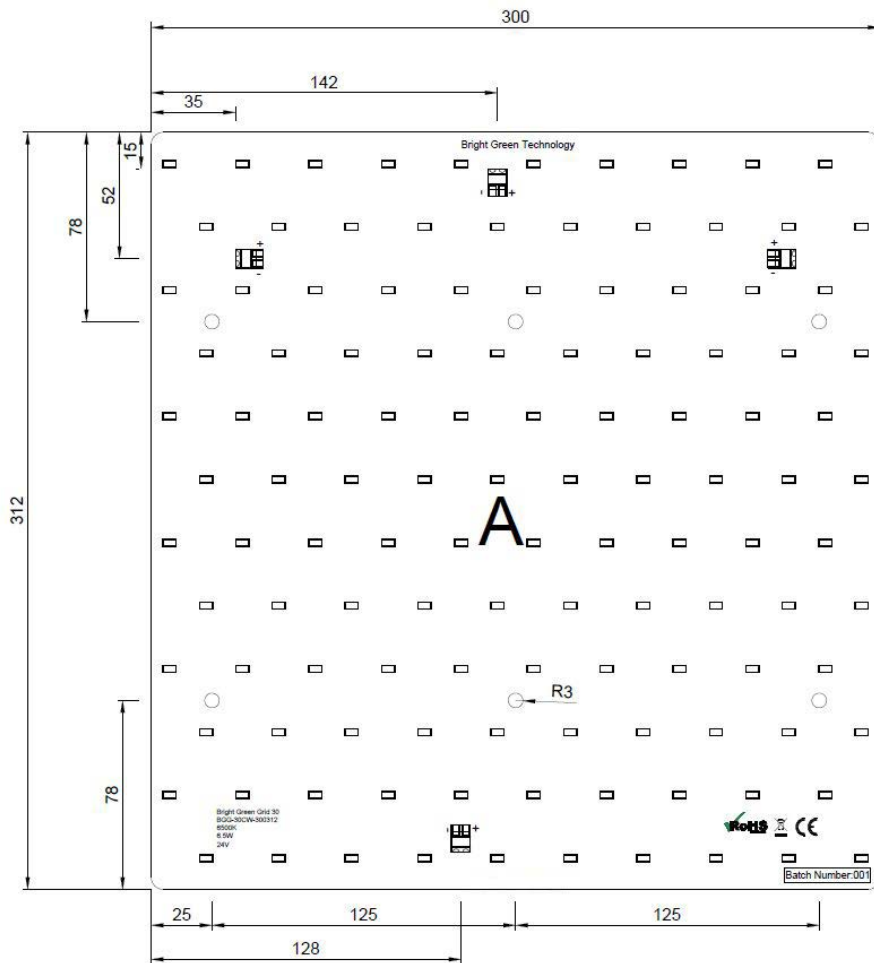
LED light panel exploded view

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

Dimensions

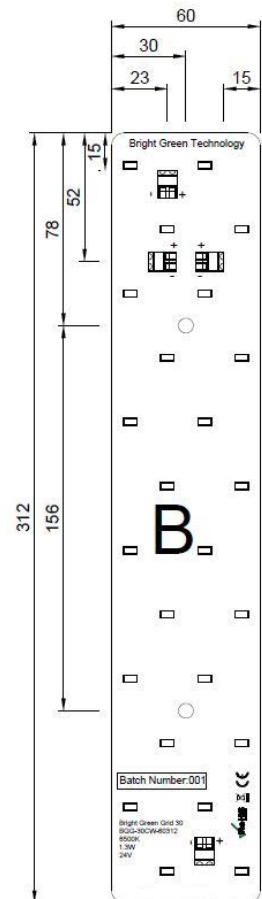
Grid 30 - Panel A

Weight per panel: 270g



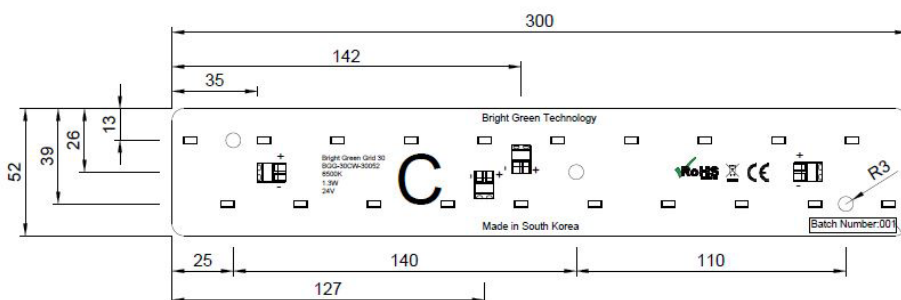
Grid 30 - Panel B

Weight per panel: 54g



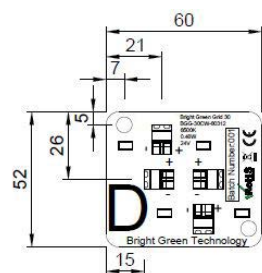
Grid 30 - Panel C

Weight per panel: 46g



Grid 30 - Panel D

Weight per panel: 10g





LED light panel dimensions

LED light panel is available in 4 frame options

Storage and Operation

Operating temperature range: -30° to 50°C

Store internally in a cool/dry location.

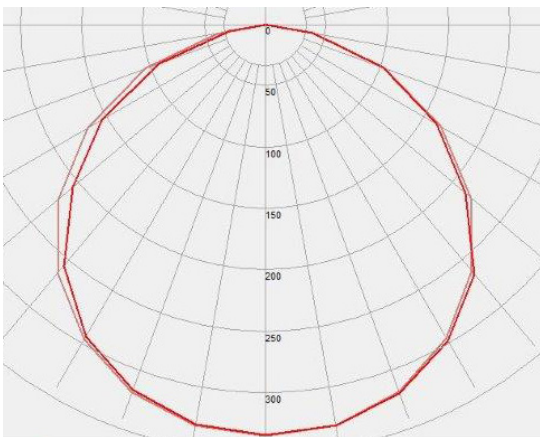
Storage temperature range: 0° to 30°C

Maximum storage time: 90 days before switch-on, refer to manufacturer for storage time >90 days

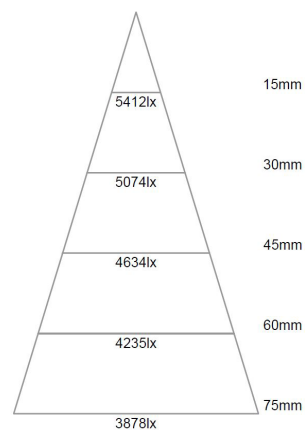
Protect from corrosive environments during storage

Insulation designed for 24V operation

Photometric Data Panel A data - light distribution



Photometric Data Panel A data - 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.