

**PRO**  
Range

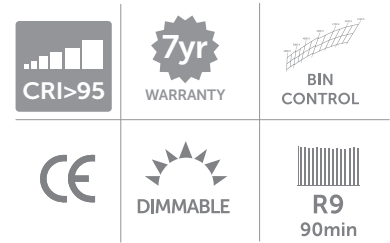


## Bright Green Grid

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                             | >95  |                 |                 |                |
| R9                              | >90  |                 |                 |                |
| Bin specification               | 1/4 bin                                    |                 |                 |                |
| LED chip manufacturer           | Yuji                                       |                 |                 |                |
| 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                            |                 |                 |                |

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Find out more at [brightgreentechnology.com](http://brightgreentechnology.com)



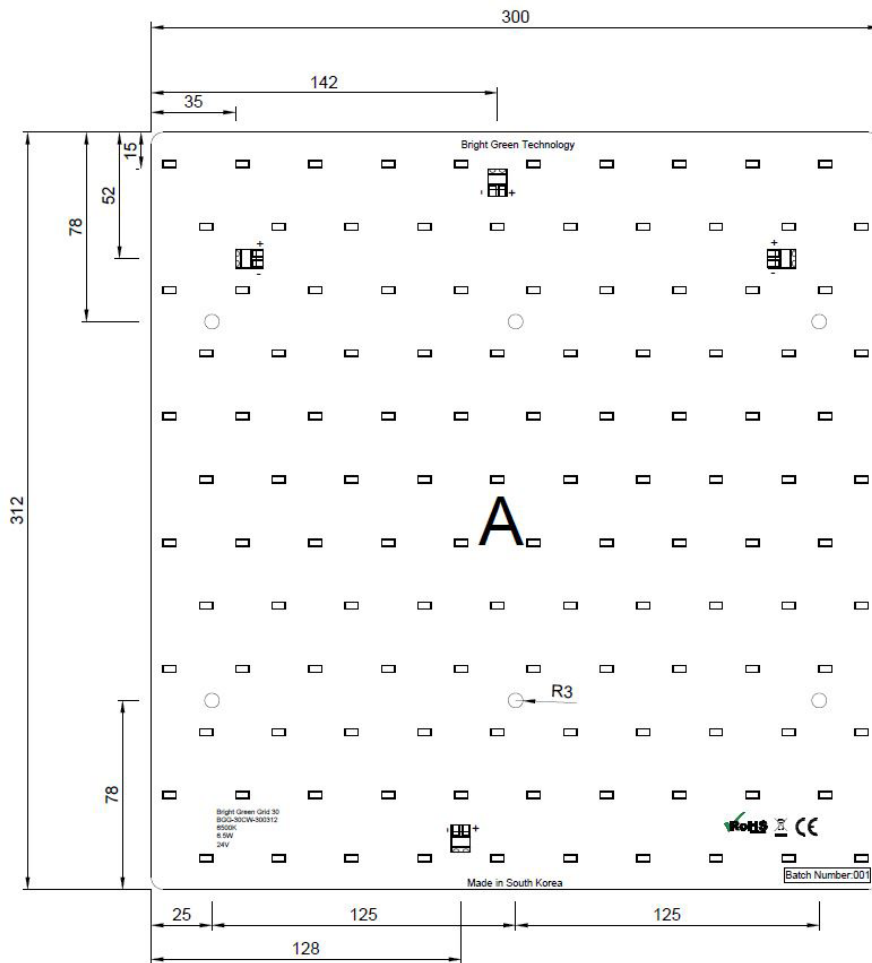
## LED light panel exploded view

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

### Dimensions

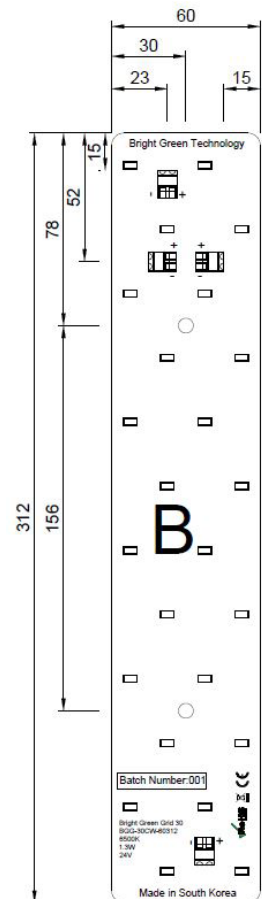
#### Grid 30 - Panel A

Weight per panel: 270g



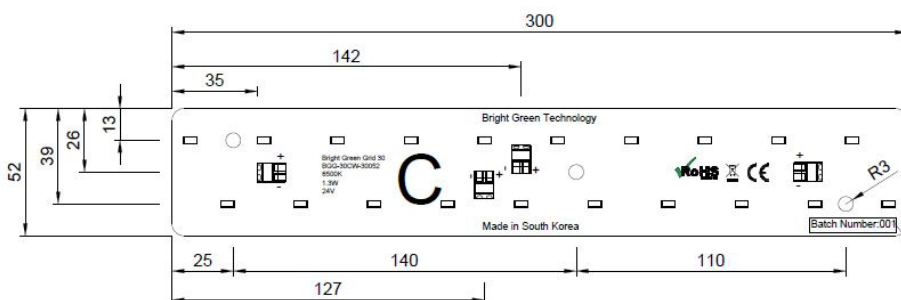
#### Grid 30 - Panel B

Weight per panel: 54g



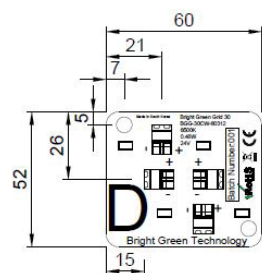
#### Grid 30 - Panel C

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.

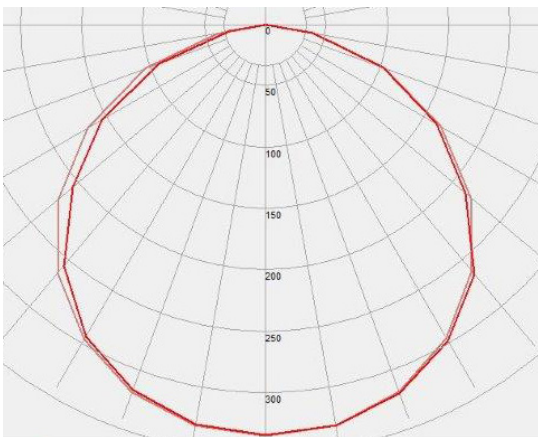
Storage temperature range: 0° to 30°C

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

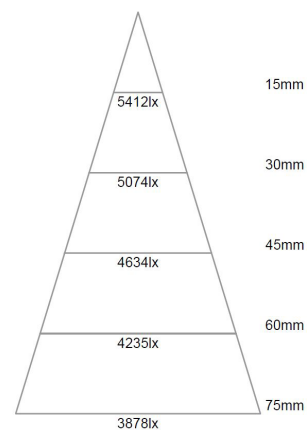
Protect from corrosive environments during storage

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.