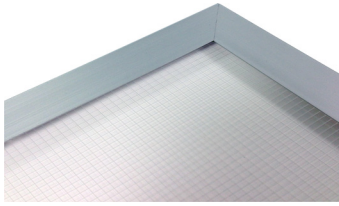


LED Snapframe Install & Handling Guide

Components required



20 AWG wire



Bright Green LED Snapframe



Power supply



Wire connectors



Install accessories

*Graphics are not included as standard. Artwork is to be supplied by the customer.

Maximum Snapframe dimensions

Frame Type	Maximum dimensions
BG20	1500mm x 1500mm
BG39	2400mm x 2000mm
BG45	2400mm x 2000mm

Installation

The printed graphic must not exceed the maximum graphic size for the frame. This will be stated on the part drawing or can be calculated using this guide:

Frame Type	Maximum graphic size	Visible Area
BG20	Outer frame dimensions minus 18mm	Outer frame dimensions minus 44mm
BG39	Outer frame dimensions minus 21mm	Outer frame dimensions minus 70mm
BG45	Outer frame dimensions minus 18mm	Outer frame dimensions minus 44mm

Each Snapframe is supplied with a protective clear acrylic sheet to place over the graphic if needed. Please observe these maximum graphic thickness measurements:

Frame Type	Maximum graphic thickness	
	With protective acrylic	Without protective acrylic
BG20	1mm	2mm
BG39	2mm	2mm
BG45	1mm	1mm

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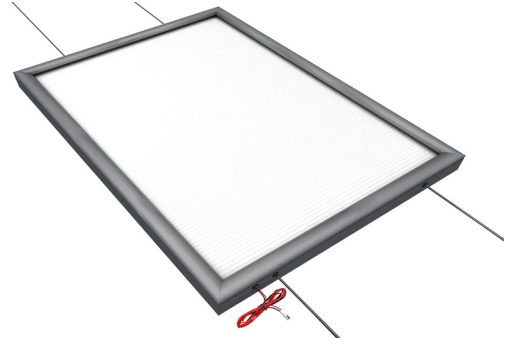
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LED Snapframe Install & Handling Guide

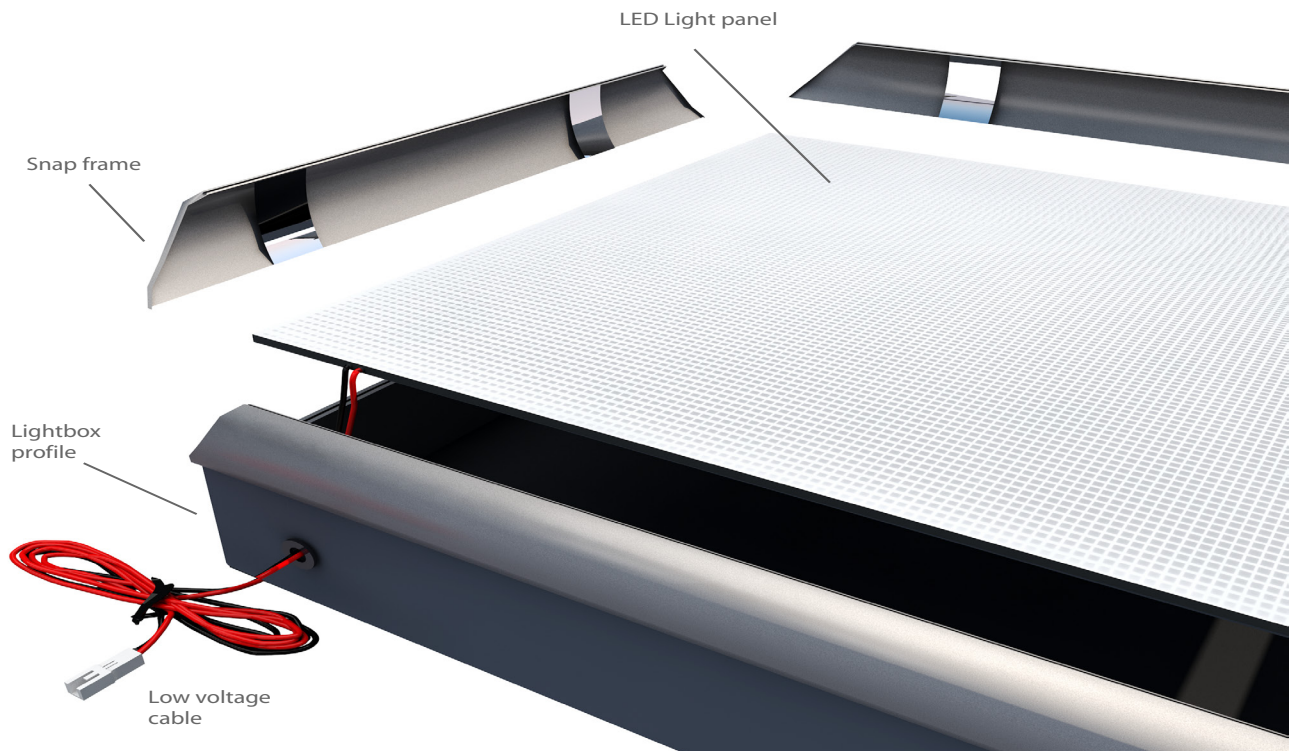
Mounting with corner brackets
(BGT-PT-307)



Tension wire hanging system (please see cable tension install guide)



Exploded view



Construction

All LED Snapframes are custom manufactured and lit with an optimised grid pattern for the panel size. This optimises performance and light distribution.

Principle materials:

Aluminium, acrylic, PET

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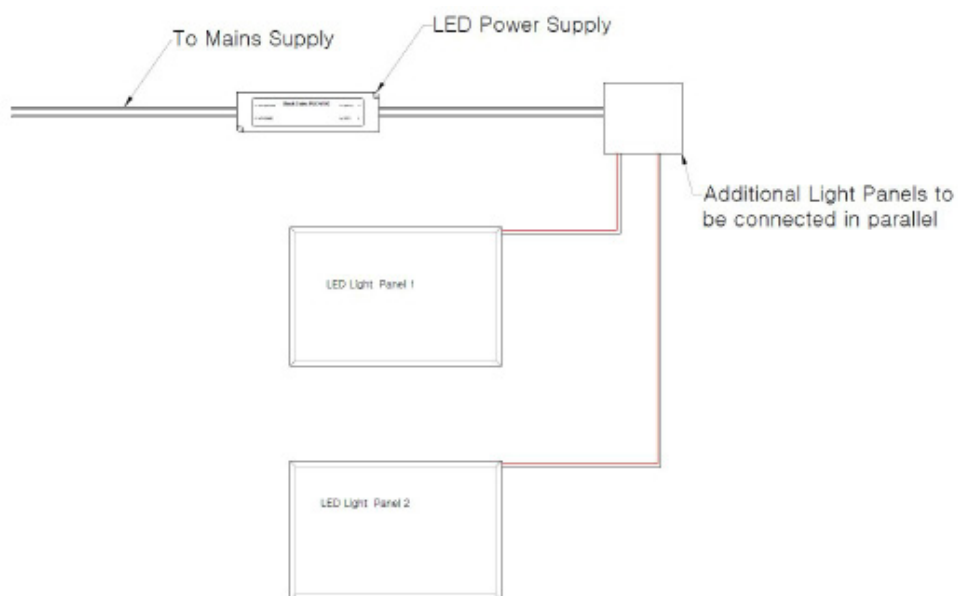
LED Snapframe Install & Handling Guide

Electrical connection and installation

Important note - Bright Green LED Snapframe is lit with LED Light Panel, which can be supplied as either 12 or 24V. Make sure to always connect to the correct constant voltage power supply as recommended or sold by Bright Green Technology. The voltage of the LED Light Panel can be found on a label on the back of the panel. For double sided lightboxes, please contact your sales advisor.

If multiple LED Light Panels are wired to a single power supply, connect them in parallel, not in series to avoid voltage drop and maximise light output.

Dimming should be provided by a suitable PWM dimming module.



When connecting the panel to the power supply and during installation make sure not to apply force/strain to the wire tail. The snapframe is supplied with a wire tail as standard. We can also offer a number of different custom connectors e.g. JST type, DC Connectors & Mini Mate n Lok. Please speak to our Account Managers for more information.

When all connections have been made and the Snapframe has been installed into the correct position, remove all protective film. Note, if the film is not removed from the light panel fascia the illumination will appear uneven.

LED Snapframe Install & Handling Guide

Storage

Store the panels in a cool, dry place, make sure to protect from dust and heat.

Handling and cleaning

Do not apply pressure or force to the edges of the snapframe when inserting the graphic.

Replacement clips can be purchased for Frame BG39.

Avoid touching the LED light panel to minimise risk of scratching the acrylic. To clean the LED Light Panel, turn off the power and use a non-solvent, non-abrasive glass cleaner on all plastic parts.

Care should be taken not to apply strain to the cable from the snapframe. You should ensure that the cable has suitable strain relief when installed into the fixture, particularly if it is in environment where it may be moved or knocked.

Operating notes

LED Snapframe should be operated in a dry environment.

The operating temperature must stay within -10° to 45°C.

Do not cut or modify the frame or LED Light Panel or attempt to disassemble or modify the components in any way.

Do not drop or bend the LED Snapframe.

Do not drill holes in the LED Light Panel.

Make sure to test that your LED Light Panel is working before installing the snapframe.

Maintenance

No planned maintenance of the PCB for Bright Green LED Snap Frame is required.