



Illuminating Spaces



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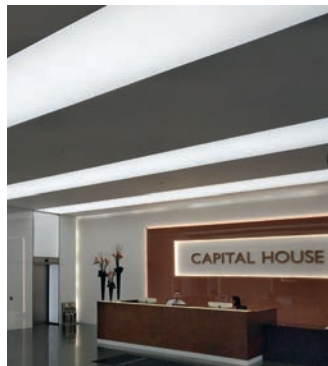
Illumination is no longer simply about lighting objects and surfaces. Today, a typical architectural project considers the whole space, how it is used and how lighting integrates with other technologies. Control, connectivity and dynamic behaviour have become critical.

Bright Green Technology understands this and has developed a range of products and capabilities that help our customers control spaces – from LED lighting to connected power supplies.

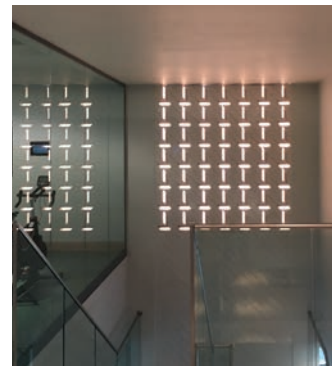
There are always several ways to achieve a design objective and we can help you choose the best product and control options. We are engineers and we always offer straightforward advice.

There are project examples below and further information on the following pages.

If you want to explore the best lighting systems for your project, please call us on +44 (0)1932 355 221.



Office Receptions



Health Clubs



Bars



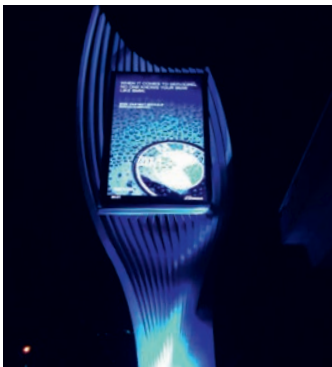
Museums



Showrooms



Lifts



Landmarks

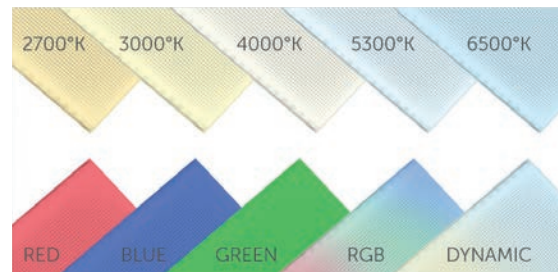


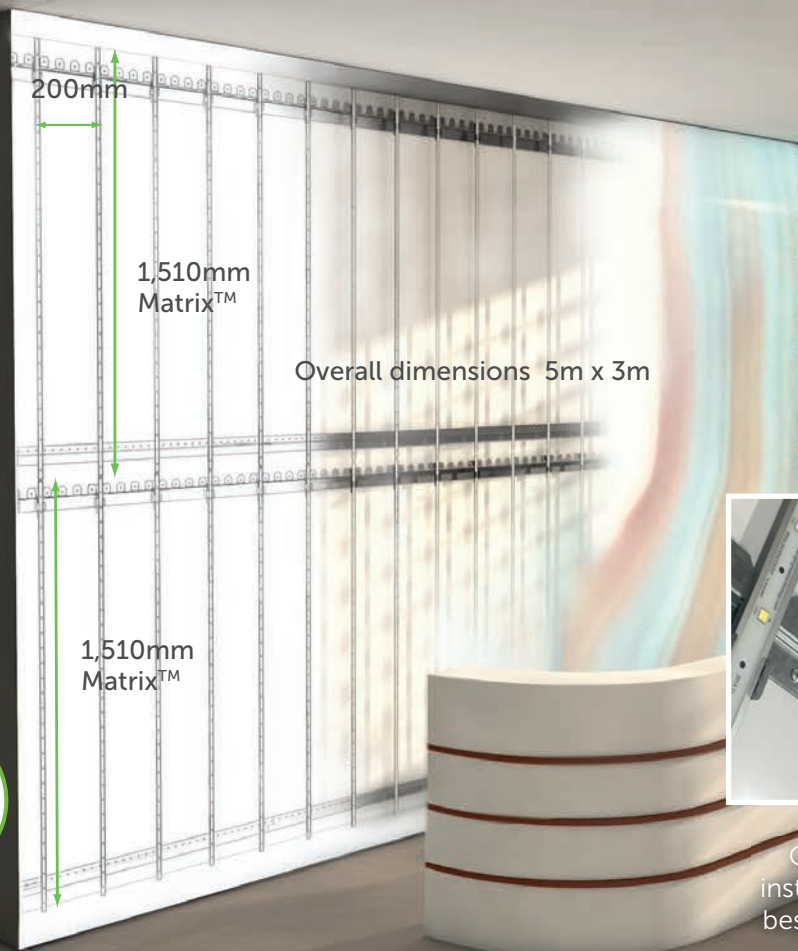
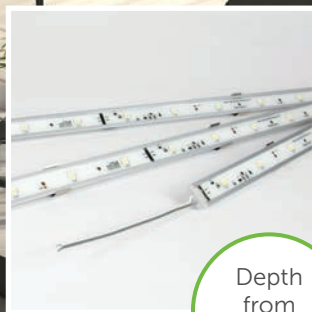
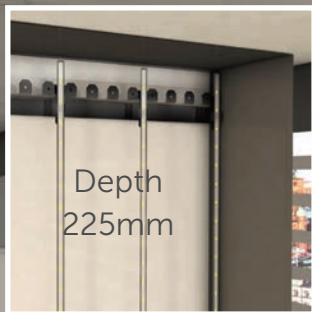
Graphics

Creating the right light

Based on our extensive experience, we help specify the entire lighting system:

- Custom diffusion methods to give better lighting uniformity
- Lighting control to balance between naturally lighter and darker sections of a surface
- Choosing the best colour temperature for any given material or environment
- Dynamic white, RGB or sensor responsive systems
- Connectivity which is compatible with the building management software





Quick and easy
installation using the
bespoke rail system

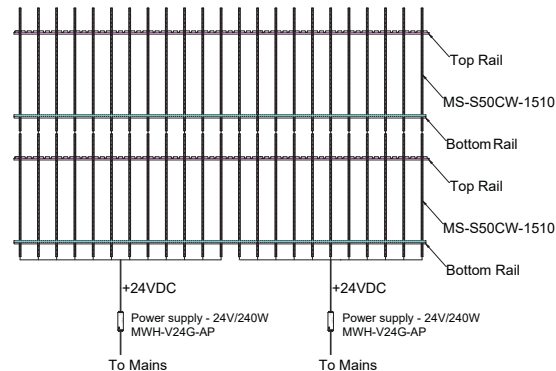
Bright Green Matrix™

Bright Green Matrix™ is a modular, linear LED system that's suitable for projects that have depth. The more depth you have available behind the surface, the greater the distance you can leave between the LEDs, making it more economical on cost and power.

LED & Energy Information

DIMENSIONS	LAYOUT (NO. OF VERTICALS)		POWER		LUMENS/SQM	
	Box depth	225mm 500mm	225mm 500mm	225mm 500mm	225mm 500mm	225mm 500mm
3m x 2m	14	6	149.8W	128.4W	2436lm	2088lm
5m x 3m	23	10	414W	358W	3202lm	2784lm
8m x 6m	54	24	1733.4W	1504.8W	2349lm	2088lm

Example Layout



Key Benefits

- Colour temperatures available in 3000k, 5300k and 6500K
- Lightweight, modular design makes for quick, easy installation
- 5 year warranty
- IP67 rated – suitable for outdoor use
- Operating temperature range of -30 to 85°C make it suitable for climates with temperature extremes
- The resin coating offers mechanical protection making this system extremely robust



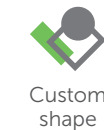
Plug & Play



Custom power supply



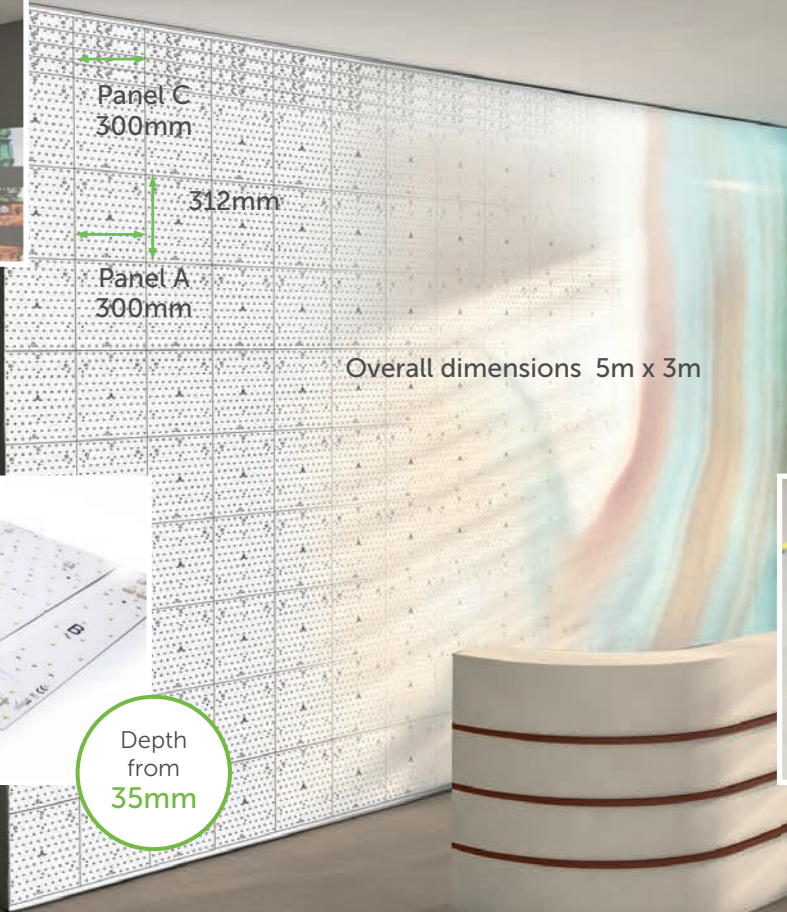
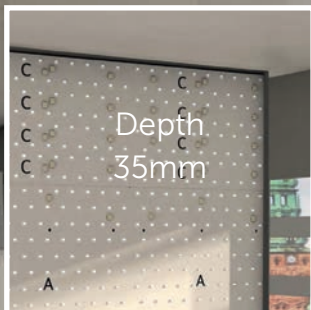
Quick turnaround



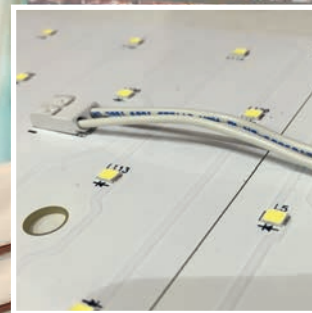
Custom shape



Control



Depth
from
35mm



Low profile, easy to use
connector that accepts
solid or stranded cable

Bright Green Grid

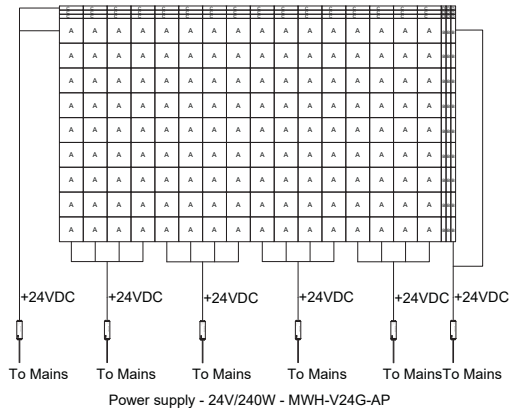
Bright Green Grid has been specifically designed to illuminate areas that require a high level of brightness but with a restricted depth. Bright Green Grid is flame retardant making it more suitable for environments that have specific fire regulations. A bespoke calibrated grid optimises light distribution.

LED & Energy Information

DIMENSIONS	NUMBER OF PANELS				POWER	LUMENS/SQM
	A	B	C	D		
3m x 2m	60	0	20	0	416W	6863lm
5m x 3m	144	27	48	9	1036.4W	6863lm
8m x 6m	494	57	26	3	3319.9W	6904lm

*values at 6500K

Example Layout



Key Benefits

- Bright, even illumination even at depths from as little as 50mm
- 5 year warranty
- Class 0 fire rating makes it suitable for environments with fire regulations
- Modular design allows installation in large areas
- Custom chip mix available eg. 2700 – 4000K
- Now available in Dynamic White and an IP65 version



Plug & Play



Custom power supply



Diffusers



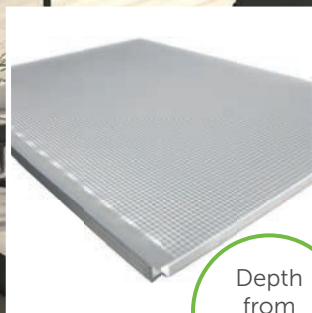
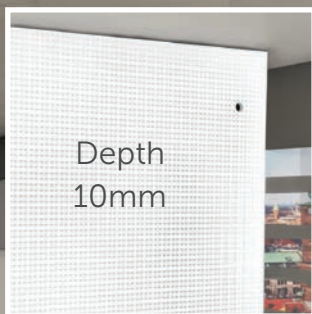
Dynamic White



Custom shape



Control



Bright Green LED Light Panel

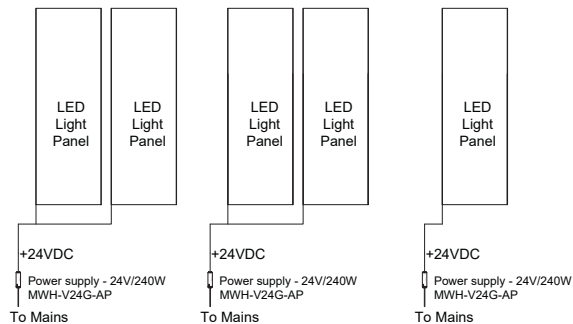
LED Light Panel differs from the other options discussed here as it is an edge lighting system, not a backlighting system. Edge lighting is ideal when your project has very limited depth.

LED & Energy Information

DIMENSIONS	NUMBER OF PANELS	POWER	LUMENS/SQM
3m x 2m	3 x 2m x 1m panels	180W	4800lm
5m x 3m	5 x 3m x 1m panels	450W	4800lm
8m x 6m	16 x 3m x 1m panels	1440W	4800lm

*values at 5300K

Example Layout



Key Benefits

- Extremely low profile design allows illuminations when there is little or no depth available
- Available in a variety of colour temperatures including dynamic white and RGB
- A range of frame install options to suit a wide range of projects
- Improved PCB which has reduced power by 25%, now only 15W/m
- Can be supplied as a rigid PCB with profiles to ensure colour consistency



Plug & Play



Custom power supply



Quick turnaround



Custom shape



Control

Control

Bright Green Technology has extensive experience where control is required on projects. From initial ideas, through to specification and commissioning, we work with our clients to make sure everything is right first time.

Our engineering team has expertise in a wide range of control protocols including Dali and DMX and has worked on bespoke standalone projects as well as large scale installations with complex control requirements – such as the award winning IMAX refurbishment.

We can supply bespoke systems that allow:

- Remote access
- Colour changing - RGB, Dynamic White and responsive
- Dimming - 0-10V, Dali, DMX
- Timer operation
- Integration of switches and sensors



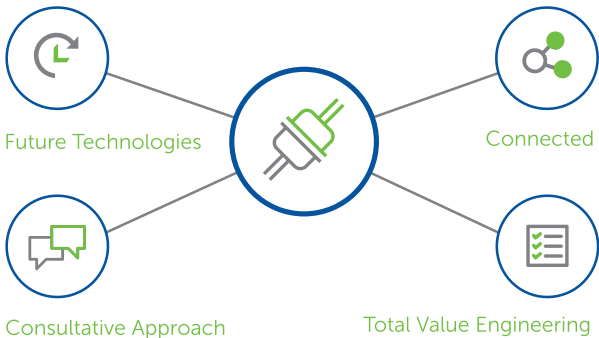
LED Light Panel with Dali module to enable control through existing BMS



Additional Dali control supplied for an existing illuminated reception counter, allowing this to also link to the BMS

Bright Green Connect

Our power connectivity company, Bright Green Connect, enhances our capability with a range of advanced power supplies, intelligent LED drivers and control accessories. This enables us to offer greater system compatibility and extended warranties.



Quick reference guide

The table below will help to identify which product is most suited to a particular project, taking into account factors like available depth, fire performance, the install environment and cost.

✓ = good ✓✓ = better ✓✓✓ = best

	MATRIX	GRID	LIGHT PANEL
Depth	225mm	35mm	10mm
Uniformity	✓✓✓	✓✓✓	✓✓
Ease of installation	✓✓✓	✓✓	✓✓
Brightness	✓✓	✓✓✓	✓✓
Robustness	✓✓✓	✓	✓
Price	✓✓✓	✓	✓✓
Warranty	5 years	5 years	3 years
Outdoor use	Yes	No	No
Class 0 fire rating	No	Yes	No
Temperature extremes	✓✓✓	✓✓	✓
Colour temperatures available	✓✓	✓	✓✓✓

Bright Green Technology

Bright Green Technology specialises in LED systems that dramatically improve the quality and performance of backlit media, illuminated signage, retail displays and architectural features.

We've worked in the most iconic locations for the biggest companies and won their trust for our product quality and customer support.



We respond to enquiries in less than **24 hours**



Our normal delivery time for prototype custom assemblies, lightboxes or light panels is just **5-10 working days**



Over **98%** of our retail lighting projects have been **delivered** as per the agreed schedule



Over **70%** of our parts are **custom or modified** parts and assemblies



We have a strong commitment to quality, the **percentage of issues on delivery** for our retail clients is **less than 0.1%**



And that's why our customers trust us, with **99%** of our retail clients purchasing from us more than once

Find out how we can help your next project shine

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