



STELLAR LIGHTING

www.stellarlighting.co.uk

LED Star Ceiling Panels

Product Information





LED star ceiling panels

The LED star ceiling panels are made of natural, painted or decor foiled wood or plastic. LEDs are embedded in the panel in a random but even spread. There are no restrictions in terms of size; we can practically produce any shape, taking your local features into account.

The production of a LED star ceiling is a time-consuming process, as each element is hand-made in our workshop. Our colleagues work with high precision and accuracy. All components are CE marked, ensuring they meet EU safety, health and environmental protection requirements.

Installation only requires a **220-230 V power stand** that's located on or nearby the installation surface. Stellar Ceiling panels can also be installed in wet areas, such as bathrooms, showers, spas, with a special anhydrous design.

Installation is delivered by our team and as the panels are manufactured in our workshop, fitting is quick and easy without much fuss or mess. The panels come with all the screws and fixtures required for installation.



Why buy our LED star ceiling panels?

- The panels are ready-made for quick and easy installation
- Can be installed on almost any flat surface
- The size shape and colour options ensure the panel will fit with your interior design
- The panels can function as main lighting, mood lighting and sensory lighting
- The remote controller allows easy control for each lighting feature independently
- We use energy-efficient LED light sources
- One year warranty for your peace of mind

Main LED star ceiling panel features

Ready-made panels

- Custom designed and hand manufactured based on your ideas
- Can be made in any shape and size
- Made of wood or forex for wet areas
- Three double-layer paint at the colour of your choice

Twinkling LED lights

- Discreetly embedded in the panel
- Up to 150 lights per sqm
- Mixed white colour temperature, diameter and beam angle

High-quality

- Manufactured in the EU to the highest quality standards
- Only CE certified electrical components are included
- 1 year warranty



Edge lighting

- Single colour of colour-changing (RGB) LED light strip around the perimeter(s) of the panel

Easy installation

- The panels are delivered fully complete, ready for installation
- No need for access to the ceiling void or floor above
- Connects to your existing lighting circuit
- All screws and fixtures are included for easy installation

Main lighting

- Options to embed spotlights or LED ceiling lights into the panel so they can function as main lighting besides the mood lighting features



Panel details

Panel material

- MDF / HDF wood
- Forex - for wet areas



Panel dimension

- From 1 sqm with no upper limit, however larger starlight ceilings are constructed of multiple panels that can be joint together during installation
- Panel depth: the standard panels are 6 cm deep. Panels embedded with spotlights or LED ceiling lamps are usually 10-15 cm deep, depending on the type of additional lights used.



Panel shapes

You can either choose from our [gallery](#) of earlier projects or come up with your own ideas. We can design you any shape, only your imagination is the limit. Please note that there might be some restrictions due to the materials and electrical equipment used for the construction of the panel.



Panel colour and finish

The panels can be made in any colour or colour combinations. We use RAL colour codes to ensure the colours will match exactly your expectations. In addition, various effects can be painted on the panels, such as Milky Way, halo or clouds.

The panels are prepared with high quality, multi-layer painting

- 2 layers of coating;
- 2 layers paint;
- 2 layers waterproof and dirt repellent surface.

The three double-layer painting will ensure the perfectly homogenous surface. The waterproof and dirt-repellent layer will make cleaning really easy. The colour of the Stellar Ceiling can be chosen at the design phase. High-quality Caparol and Dulux paint is used to obtain the best colour possible.



By default, the starlight panels are equipped with small LEDs to create the starry night sky effect. In addition, further lighting elements can be added, such as colour-changing (RGB) spotlights, LED ceiling lamps. With the combination of various lights, the panels can be used as mood lighting and main lighting as well.



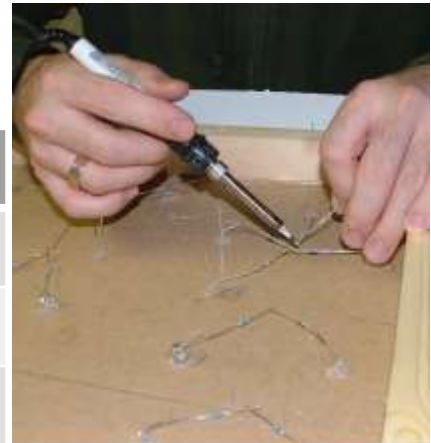
Light features

LED starlights

We use approximately 150 individual LEDs per square metre randomly spread out on the panel.

LED light details:

LED type	Diameter	Beam angle
5044	5 mm	20°
5084	5 mm	110°
8104	10 mm	110°



- Colour: default: cold white LEDs (5000-7000K (mixed)). Can be requested with warm white or cold-warm white mixed LEDs
- Power source: Meanwell (IP67) input voltage: 230V, output voltage: 12V DC
- LED driver: 12V in IP55 casing
- Wattage: 0.18 W / LED, 27W/sqm
- **Brightness:** The 150 LED/sqm lights' brightness is equivalent to a 20 watt conventional light bulb (approximately 225 lumens). That makes a 3 square meter panel's brightness equivalent to a 60 watt conventional light bulb's brightness (approximately 800 lumens).
- Light effect: the lights can twinkle, fade-in and out, flash or stay on constantly. The programs can be changed with the remote controller provided.



Light features

Colour-changing (RGB) edge lighting

The panel's silhouette can be illuminated with colour changing (or single colour) edge lighting to further enhance the mood lighting effect of the panel. The LED light strip is concealed under the rim of the panel, so it's not visible, once the panel is fixed to the ceiling. Once turned on, it creates a glow around the panel that can be dimmed, it can flash, fade-in or out or stay on constantly. The programs can be changed with the remote controller provided. With the RGB option, the colour of the edge lighting can be set to match your mood or the occasion.





Light features

Spotlights

Spotlights are a common addition that enables the panels to function as main lighting for the room or area. Both 230V or 12V spotlights can be used in warm, neutral or cold white. The frame of the spotlights can be round or rectangular. The spotlights are dimmable and can be controlled with the



LED ceiling lamps

The panels can be equipped with recessed LED ceiling lamps. They can come in cold/warm white or RGB/RGBW. These lights are also dimmable and can be controlled with the remote controller provided. Upon special request, the panels can be equipped with other types of ceiling lights.





Electrical requirements

Ensure that the room has sufficient independent lighting circuits. Panels that function as main lighting as well as mood lighting, we recommend separate lighting circuits and wall switches for the two functions. The panel will be wired and constructed accordingly.

We recommend that the lighting circuits from the consumer unit or distribution board are comprised of twin and earth PVC insulated cable with a minimum conductor size of 1.5mm².

To ensure the smooth operation of the panel, an appropriate protective device e.g. fuse or miniature circuit breaker should be installed at the consumer unit. We recommend a 10A type C MCB for this purpose. If the supply circuit to the ceiling panel is not dedicated, your electrician can advise on protection arrangements.





Control and operation

The panels come with a multi-channel remote controller. Each lighting feature is pre-programmed to a separate channel so the lighting features can be controlled separately.

The lights can be dimmed and various programs can be selected depending on the type of light selected (e.g. for the twinkling light, various twinkling programs can be selected; the RGB edge lighting has various colour changing programs where you can set the speed, the brightness and the program type).



Upon installation, the wires at the back of the panel should be connected to the mains outlet on your ceiling. If the panels are equipped with both mood lighting (twinkling LED starlights, edge lighting) and main lighting (spotlights or other ceiling lamps), we recommend connecting the two types of light features to a separate outlet so they can be switched on and off with a wall switch separately.



Packaging, delivery, installation, maintenance and warranty

Delivery and packaging

Robust packaging will protect the panel from any damages during delivery. The panel is secured to a wooden frame that's wrapped in foil. The packaging adds approximately 20 cm to each dimension of the panel (for example a 100 cm x 100 cm x 10 cm panel's packaging will be 120 cm x 120 cm x 30 cm). The weight of the panel with the packaging is approximately 27 kg per cubic meter.

Installation

Our LED star ceiling panels are delivered ready-to-install, with all fixtures and screws included. At least two people are required for the installation; however, this is always subject to the dimensions of the panel. A general installation guide will be provided to help you with the process.

Maintenance and cleaning

The LED star ceiling panels require minimal maintenance, once installed. We recommend turning the wall switch off when the panel is not in use, to extend the life of the power supply and to save energy.

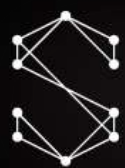
The waterproof and dirt repellent layers of paint make cleaning really easy. Just wipe any dirty spots with a damp cloth. Only clean when necessary, and use water only, no solvents. If required, the surface can be prepared during the manufacturing so it can be cleaned with disinfectants.

Please do take care while cleaning at height by carrying out the task in a safe manner.

Warranty

The panels come with one year warranty.

If you have any questions or comments regarding
Stellar Lighting LED star ceilings, please contact us
on info@stellarlighting.co.uk



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