

Mini LED 550 light source.



Supply voltage: 240vAC via transformer 3 pin plug. (110vAC two pin available)

Unit input voltage: 12v DC via removable jack plug.

LED 5 watt cool white (which produces very natural looking stars)

Dimensions 145 x 85 x 70mm

Weight 0.4kgs

Power consumption 8 watts

Colour wheel: 6 colours including white

Twinkle wheel:

Wheel rotation speeds, set via dip switches: Stopped, 1, 1.5, 2, 2.5, 4, and 6 rpm

Fibre capacity:

0.75mm x 425 fibres

1.00mm x 230 fibres

3:1 mix 0.75mm and 1.00mm: 330 fibres

Cooling Fan: none

Heat radiation: light source body warm to touch.

Warranty: 18 months.

Country of manufacture: China

Manufacturer accreditation: ISO 9001

The DIP switches on the rear of the light can be used to set the rotational speed of the effects wheel. Switches 1-3 control the speed of the wheel (as shown below) and switch 6 enables the remote (ON) or disables the remote (OFF).

The buttons on the remote are easy enough to understand. The Up and Down arrows relate to dimming, the stop (square) symbol is power on/off and the Padlock symbol is the stop/start for the colour/twinkle wheel motor.

Program	DIP Switch mode (1=ON 0=OFF)						Description
	6	5	4	3	2	1	
00	0	0	0	0	0	0	Motor off, LED on
01	1	0	0	0	0	1	6 rpm
02	1	0	0	0	1	0	4 rpm
03	1	0	0	0	1	1	2.5 rpm
04	1	0	0	1	0	0	2 rpm
05	1	0	0	1	0	1	1.5 rpm
06	1	0	0	1	1	0	1 rpm



Fibre Optic & LED Lighting



DIY Star Ceiling kit

STARSCAPE

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Fibre Optic & LED Lighting



Starscape fibre optic star kit supplied with MiniLED550 light source.

Your star ceiling kit consists of a reliable, economical-to-run LED light source and a harness of optical fibres terminated in an aluminium common end ferrule. Both a twinkle wheel and a colour wheel are supplied - the light source will normally arrive with the twinkle wheel fitted.

Creating Your Star Ceiling

Most of our kits go into ceilings in bedrooms and bathrooms in homes where there is an attic above the room. In this case installation is very straightforward.

Remove and store any insulation. Remember that the insulation will have to go back down over the new fibres so leave enough slack in the fibres to allow for this. Sweep or vacuum the work area if you can, just to make the job a bit more pleasant. The fibres will have to run either across the top of the joists or through holes drilled through them. Or, you may be lucky enough to have the plasterboards mounted on noggins, leaving space for

the fibres to pass beneath the joists. Whatever the method, the fibres are inert and carry no heat or electricity, so can be covered with as much insulation as you wish.

Decide on the star pattern, trying to avoid having too regular a distribution of stars, since this can look flat and unnatural. Little clusters of stars look nice, and don't be afraid of the occasional empty patch of "sky". Take a look at Customer Project 53 on our website to see a really nice example of a natural sky layout.

Working with two people will make the job a lot easier, with one drilling from below and the other feeding fibres from above, but of course it is also possible to do the job single handed.

Before you start to thread fibres through the holes in the ceiling, put the light source in position and attach the harness. Power up the light source. The lit fibres in the loft area will not only illuminate the area and look pretty, but when you are trying to find the drill holes the light emitting from the end of each fibre will act as a mini torch.

Working with the shortest fibres first, pull off the plastic sheathing to reveal the bare fibres. To avoid tangles select each fibre from close to the common end and pull it clear from the other fibres in the bundle. Lead the fibre to the first drill hole and push through. Don't worry at this stage about the amount of fibre through the hole since it will be trimmed back later, but do make sure that you haven't pulled the fibre so tight that you won't be able to easily replace the insulation. Carry on with the pulling and poking until the display is complete. At this stage take a look at the display with the fibres uncut. One or two of our customers actually prefer this look.

We secure the fibre with a dab of acrylic adhesive (available from our website), but black or clear silicone will work almost as well. When the silicone has set, trim the fibres using nail clippers or scissors. You have a couple of options here: Leave 2-3 mm projecting and you'll get a little back glow on the ceiling like a halo. One advantage with this method is that if you repaint the ceiling in the future you'll be able to paint over the fibre ends and then simply clip off a millimetre of fibre to restore the light.

However, for a more natural look, trim the fibres as close to the ceiling as you can. Finally, you can add to the 3D look by dabbing a black or blue felt tip pen on the ends of some fibres. This reduces the light output of these individual fibres and thus creates another level of brightness, to give that natural starry sky look.

If you have a digital camera why not take some photos and send them to Starscape for possible inclusion in the Customer Projects section of the website.

And finally:

If you have any questions or concerns regarding your installation we are here to help. info@starscape.co.uk or 01289 332900 Mon-Fri, 0900 to 1645

