



These Star Ceiling Kits are the largest available kits of their type. They can be used to light anything from small hallways to bedrooms to larger commercial areas.

A mix of 0.75mm and 1.0mm diameter tails create the near and far effect you would expect from a starlit sky.



### Your Illuminator Options:

**50W Tungsten Halogen** – 1 electrical feeds supplied to control the color or twinkle wheel. **MS168**

**75 W Tungsten Halogen** – 1 electrical feeds supplied to control the color or twinkle wheel. **LS224/XLS336**

**MicroLED 1000** – LED illuminator with manually controlled color and speed change. **All**

**MicroLED 4000** – LED illuminator with touch sensitive remote control color and speed change. **All**

### Fiber Optic Harness & End Fittings:

**MS168**  
Medium Star Ceiling Kit  
168 fiber optic tails in lengths varying 2.0m – 3.0m.  
168 mushroom lenses supplied for decorative effect.

**LS224**  
Large Star Ceiling Kit  
224 fiber optic tails in lengths varying 1.0m – 4.5m.  
224 mushroom lenses supplied for decorative effect.

**XLS336**  
Largest Star Ceiling Kit  
336 fiber optic tails in lengths varying 2.0m – 7.5m.  
336 mushroom lenses supplied for decorative effect.



# Unlimited Light

Premium Fiber Optic Lighting

**YOUR TUNGSTEN HALOGEN ILLUMINATOR WILL REQUIRE 1 x 110V (HOUSEHOLD) ELECTRICAL SOCKETS; LED'S REQUIRE ONE.**

## Tools Required:

Hand Drill  
1mm Drill Bit (bare fiber option)  
or  
3mm Drill Bit (mushroom lens option)  
Translucent Silicone Sealant

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## Safety Information

Our fiber optic lighting kits emit no heat or U.V. The end fittings are completely cold and have no electricity running through them, making them safe to touch and perfect for wet or humid environments where conventional lighting could prove to be dangerous.

**Please be aware that the illuminator may become hot, and should be kept out of reach of children.**

The illuminator is not waterproof and must be installed in a watertight location. IP rated enclosures are available if required.



## Prior to Installation:

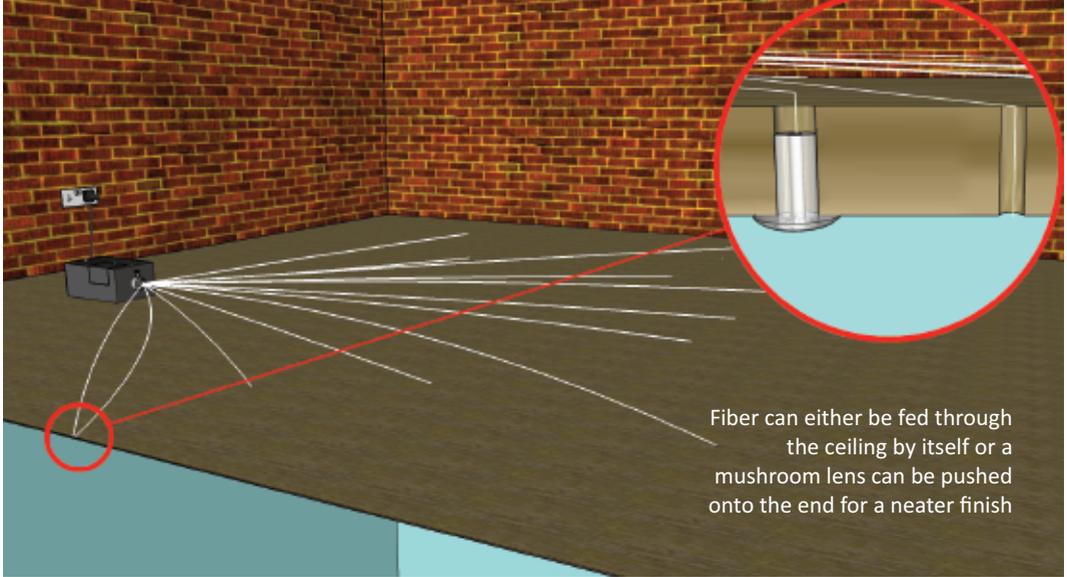
Choose a watertight, well ventilated area for the illuminator.

Plug the harness into the illuminator; decide whether you prefer the bare fiber effect or use the mushroom lenses. The effect these options produce is different and is a matter of personal preference.

Each bundle of tails is sheathed in black Megalon material. Depending on the illuminator location, this can either be stripped back using a Stanley knife or removed completely by gently pulling it. For example, if all the longer tails are being fed in one direction, they can remain in the sheath until they are required to branch off. If the illuminator is located in the middle of the area, then all the sheathing will need to be removed to allow the tails space to branch off.

The fiber optic tails can be placed randomly, or in a pattern of your choice.

**Tails can be installed in almost any material; wood, plasterboard, Perspex, concrete etc.**



Fiber can either be fed through the ceiling by itself or a mushroom lens can be pushed onto the end for a neater finish

## Installation Guide

If two people are available to carry out the installation, we recommend that one person drills up into the ceiling from underneath. A second can then feed the fiber optic tails through each hole as it is drilled from the room below.

If one person is carrying out the installation alone, all the required holes can be drilled from underneath, and then identified from above by shining a bright light up from below.

The tails should be allowed to protrude through the ceiling by approximately 80mm. For the bare tail option, a dab of silicone sealant should be applied to each tail, above the ceiling, to secure it in position; silicone is not required for the mushroom lens option.

**We do not recommend the use of superglue on the tails as it causes them to become brittle and prone to breakage, resulting in a loss of light. Unlimited Light accepts no responsibility for damage to fiber optic components during installation.**

If the ceiling is to be painted then this should be done after the installation of the fiber optics. If you have chosen the bare tail option, you can now use either scissors or side cutters to trim back the tails so that they are almost flush with the ceiling. We recommend leaving around 2mm – 3mm of fiber protruding so that the tails can be pulled through with tweezers should repainting ever be required.

If you have chosen the mushroom lens option, you can now push the lenses onto the fiber tails and then push the lenses into the ceiling.

Arrange for the electrical feeds to the illuminator to be linked back to the remote switches in a convenient location to control the operation of the illuminator and colorwheel.



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