unlimited
Light

Kit Contents

Illuminator

75W tungsten halogen lilluminator with 1 plug.
This kit is also supplied with a weatherproof enclosure to allow the light source to be sited outdoors, typically under decking.
Dimensions: (L)15.74" x (W)11.81" x (H)8.66"

Fiber Optic Harness

SD110 – Fiber optic harness with 110 tails. Lengths vary between 3.28' and 16.40'.
SD110 +110 – Fiber optic harness with 220 tails. Lengths vary between 3.28' and 16.40'.

Colorwheel

A six segment colorwheel is supplied. This is pre-installed in the illuminator and can be easily removed by the end user to give static white light output.

End Fittings

SD 110 – 110 flush fitting acrylic lenses are supplied.
SD110+110 – 220 flush fitting acrylic lenses are supplied.

Electrical Requirements

1 x 110V household electrical supplies.

Cutout sizes: 0.11" cutout (countersunk drill bit) required for fittings

Tools Required

Hand drill
0.12" drill bit
Translucent silicone sealant

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 would be dangerous. Please be aware though, 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

Decide on the location for the illuminator.

This should be in such a place that the fiber optic tails will easily reach the desired positions for the flush lenses.

Also, remember the illuminator requires a 110V electrical supply and that access will be required for periodic replacement of the lamp (after approx. 3000 hours).

Installation Guide

Decide on the locations for the flush lenses and drill a 0.12" countersunk hole for each of them.

Carefully strip back the black Megalon coating from the fiber optic tails to reveal the 0.04" diameter PMMA fiber.

Feed the fiber optic tails up through the drilled holes and insert tightly into the back of the polycarbonate flush lenses.

To bond the lenses to the surface, apply some silicone sealant to the back of them and drop them into their holes. We **DO NOT** recommend the use of superglue on the PMMA tails as this makes them brittle and prone to breakage, resulting in a loss of light. **Unlimited Light accepts no responsibility for damage to the fiber optic components during installation.**

Arrange for the electrical feed to the illuminator to be linked back to a remote switch in a convenient location to control the operation of the illuminator.

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