Crystal Ceiling Kit CCK20
Crystal Ceiling Kit CCK20XL
Crystal Ceiling Kit CCK30
Crystal Ceiling Kit CCK70

Kit Contents

Illuminator
100W tungsten halogen illuminator with 1 plug.
Dimensions: (L)11.26" x (W)6.1" x (H)4.68"

Fiber Optic Harness
CCK 20 - Fiber optic harness with 20 tails. Lengths vary between 4.92' and 6.56'.
CCK20XL - Fiber optic harness with 20 tails. Lengths vary between 9.84' and 13.12'.
CCK30 - Fiber optic harness with 30 tails. Lengths vary between 8.2' and 14.8'.
CCK70 - Fiber optic harness with 70 tails. Lengths vary between 8.2' and 21.32'.

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
CCK20/CCK20XL: 20 crystal fittings with either chrome or gold finished flanges. Two sizes are supplied to give variation to the sparkle effect: 14 x 0.35" & 6 x 0.55".
CCK30: 30 crystal fittings with either chrome or gold finished flanges. Two sizes are supplied to give variation to the sparkle effect: 21 x 0.35" & 9 x 0.55".
CCK70: 70 crystal fittings with either chrome or gold finished flanges. Two sizes are supplied to give variation to the sparkle effect: 49 x 0.35" & 21 x 0.55".

Electrical Requirements

1 x 110V household electrical supply.

Cutout sizes: 0.39" for plasterboard or 0.43" for wood. If mounting sleeves are used the cutout size is 0.47".

Tools Required

Hand drill
10mm hole saw or drill bit
Translucent silicone sealant (optional)

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 locations 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 a suitable location for the illuminator.

This should be in a watertight and ventilated area and should be in such a place that the fiber optic tails will easily reach the desired positions for the crystal fittings.

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

Extras

Available as an Optional Extra - Mounting Sleeve - For use when crystals are to be installed into an insulated ceiling, mounting sleeves make it easier to run the fiber through the insulation.

Installation Guide

Decide on the locations for the crystal fittings, and drill out a 0.39" hole for each one.

Feed the tails from the illuminator location and push one tail down through each of the holes.

As each tail is fed through its hole, insert the crimped brass ferrule into the crystal fitting as far as it will go. If using an optional mounting sleeve, feed the cable through the sleeve before inserting the ferrule into the fitting, then push the end of the fitting into the end of the sleeve.

Push the crystal fitting (and optional mounting sleeve, if used) back up towards the ceiling and secure it in place.

If the crystal is not a tight fit, or for extra bonding, apply some translucent silicone sealant to secure it in place.

We **DO NOT** recommend the use of superglue on the tails as is 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.**

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

Unlimited Light USA
6119A Clark Center Avenue
Sarasota
Florida 34238

Phone: 1-800-UFO-5554
Phone: 941-343-8115
Fax: 941-330-0522

E-mail: sales@unlimitedlight.com
Web: www.fiberopticlightingkits.com