

Sylstar Fibre Optic Kit

Installation Instructions for: 120C-0057100 120-0057101

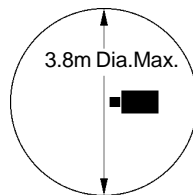
Installation Guide

Step 1 Identify the area where the light source is to be installed

1. It is very important that the light source is situated in a location that is easily accessible in order to make lamp changes.
2. Check there are no obstructions such as mains cables, gas or water pipes in the identified area.
3. The light source can be mounted on any flat surface in any orientation. However, positioning the light source with the fibre optic cables exiting from underneath, is not recommended.
4. Ensure that there is a free flow of air around the light source. The ambient air temperature around the light source should not exceed 40°C.
5. Ensure that the light source position is suitable for your desired pattern (see step 2).
6. The light source is intended for internal use only.

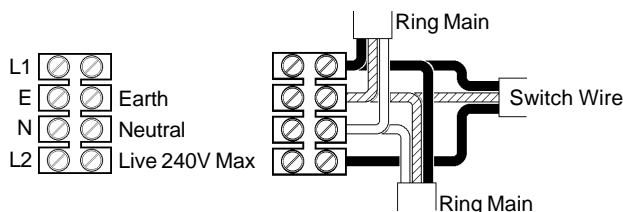
Step 2 Plan your pattern

1. It is recommended that the pattern is worked out on paper first and then scaled up on the ceiling.
2. About ten fibre optic cables should be reserved in case the pattern requires filling out in some areas.
3. The length of each fibre optic cable varies between 1.2m and 2m. With this in mind, ensure that the light source position is suitable for the maximum spread of the pattern, which should not exceed 3.8metres.



Step 3 Install the light source

1. The light source is a 'fixed luminaire' and is designed to be wired into a lighting circuit in much the same manner as a ceiling rose.
2. The light source must be fixed in position so that it cannot move and put strain on the electrical or fibre cables. It can be wired for either direct power input or as part of a lighting ring main circuit as shown.

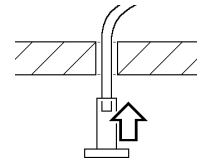


3. **The unit must be Earthed.**
4. The light source draws 0.25A at 240V and the cable should be adequately rated. The main or feed must be fused at a maximum of 10A.

CAUTION: The light source must **not** be fitted to a domestic dimmer circuit.

Step 4 Install the fibre optic cable harness

1. Drill the holes required using a 5.5mm drill bit (it is recommended that goggles are worn at this stage). A test hole should be drilled to confirm the size with the hole plugs provided.
2. Spread the harness out over the drilled area and feed the cables through the holes so that about 100mm protrudes at the other side. The cables should be gathered together where possible and then tied with the clips provided to ensure that they are kept tidy.
3. Fit the hole plugs onto each cable, ensuring that the crimp on the end of each cable is flush with the end of the plug.
4. Push the plugs into the holes:



5. Your Sylstar Fibre Optic Kit is now ready for use.
6. If the pattern requires any extra points of light to complete the effect, use the spare cables as needed.

Contents

This Sylstar Fibre Optic Kit contains:

- Light source (Sylstar 120C colour version includes 5 colour wheel)
- 12V 35W dichroic halogen lamp (in light source)
- Built in transformer
- Fibre optic harness of 120 cables:
 - 40 x 1.2m long
 - 40 x 1.6m long
 - 40 x 2m long
- 120 hole plugs
- Fibre optic cable ties

Handling Fibre Optic Cable

Fibre optic cable should be treated with care and should **not** be:

- Stepped on
- Bent beyond its natural bend radius
- Placed under excessive tension
- Immersed in water
- Subjected to extremes of temperature or humidity

Maintenance

The Sylstar Fibre Optic Kit is maintenance free

Note: It is important that the end of the fibre optic cable does not come into contact with substances such as paint etc., as this will effect the light output.

Follow these instructions carefully to ensure safe and reliable operation. After completing the installation note the suppliers name, address and purchase date and hand this leaflet to the person responsible for lighting maintenance, for future reference.