



# installation guide

MS168 medium star kit

## kit contents

50w tungsten halogen  
lightsource with colourwheel  
or twinklewheel  
168 tail harness with fibres  
from 2.0m up to 3m  
168 acrylic mushroom lenses  
to suit 0.75 and 1mm dia  
fibres

## safety information

The lightsource may become hot and should be kept out of reach of children.

The lightsource is not waterproof and must be installed in a dry location

## prior to installation

Decide on suitable location for the lightsource. This should be a watertight location as close to the star ceiling area as possible. Consider future access to the lightsource which will require a lamp change every 4000 hours.

The 50w lightsource requires 2 separatel switched household sockets / 240 volt supplies.

Choose whether you are going to use the mushroom lenses or not. The mushroom lenses still allow the fibres to pass right through achieving the bright sparkle of the bare ends of the fibre. The mushroom lenses give a tidy finish but look like tiny buttons on the ceiling when the fibres are not operational.

Bare fibres - 1mm drill bit required, mushroom lenses - 3mm drill bit required.

Each length of fibres is bundled in black megalon sheathing. This should be stripped back with a stanley knife or removed completely (by pulling very gently) to allow the fibres to branch out.

## tools required

hand drill  
1mm drill bit (for bare fibre),  
3mm drill bit for mushroom  
lenses,  
translucent silicone sealant

Leaving some sheathing allows for a more tidy installation.

## installation guide

If two people are able to carry out the installation, we recommend that one person drills up into the ceiling from underneath and the second person feeds the fibre optic tails down through each hole as it is drilled from the room below.

If one person is carrying out the installation alone, all the holes can be drilled from the underneath and the holes identified from above by shining a bright light such as a site light up towards the drilled ceiling.

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. Note: silicone is not required for the mushroom lens option. We DO NOT recommend the use of superglue on the tails as this causes them to become brittle and prone to breakage, resulting in loss of light.

The ceiling can be painted with the bare fibres protruding.

For the bare fibre option: you can now use either scissors or side cutters to trim back the tails, leaving 2-3m protruding. This allows the tails to be pulled down through at a later stage to allow for a repaint

For the mushroom lens option: you can now push the lenses onto the fibres and push the lenses into the ceiling

