

INSTALLING A 6255 PROJECTOR BOX

This projector is for **Interior** use only, unless supplied with a GRP enclosure by Crescent.

The projector must only be installed by a **qualified electrician**.

Before Installation.

Ensure the supply is turned OFF.

Ensure site is clean, and will stay that way.

Check site voltage is a nominal 230V & 240V.

Ensure adequate ventilation, 160m³ per hour is required. Failure to observe this will cause the projector to overheat leading to short lamp life and possible fibre damage. Consult our technical department if in doubt.



Projector Box orientation

There are 3 permissible orientations for the projector box to be installed. These are on the ground, on the ceiling, or on the wall with the port to the right. In all orientations the lamp must always be pointing on a horizontal axis, with the red dots on the lamp facing towards the ground. If the lamp is not positioned in this way it would almost certainly result in shorter lamp life or burn out.

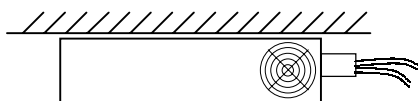
- **Special note** Do not mount projectors so that outlet from one feeds inlet of another – space apart and stagger them.

These are the 3 permissible positions: -

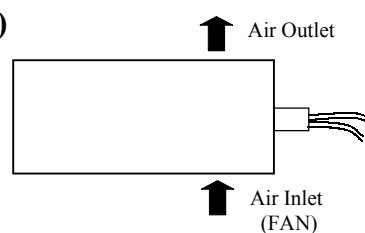
1)



2)



3)



Connection

To release the lid, remove the two screws at the top of the lid closest to the “6255 Fibre Optic Illuminator” logo, loosen the remaining two screws and lift the top of the lid. Run the mains cable through the gland at the rear. Connect the mains cable to the projector terminal block as appropriate, and check the ballast tapping corresponds to the site voltage supplied. Having connected the mains refit the lid and tighten the 4 screws.

Ensure that the gland nut is tightened so it grips the mains cable.

Colour wheel operation

If a colour wheel is fitted it will be prewired. To disable the motor, disconnect one of the 24V supply wires and park in the adjacent *SPARE* terminal, as labelled. This method can also be used to facilitate remote switching of the motor.

Synchronisation – See colour synchronisation sheet for more detail.

If ordered projectors can be specially prepared with colour wheel synchronisation. The electronics have been precisely aligned in our factory, and great care should be taken not to disturb the settings.

To wire up the projectors: Join all the white cables to each other, and then join all the black cables to each other.

To stop the colour in any position, connect the orange cable via a switch to a black cable.

To stop at white light, connect the white cable to the black cable via a switch

- **Special note** If the projectors are accidentally turned **on** and **off** too quickly the synchronisation units may be out of step. **Remedy** Turn all projectors **off** for **30** seconds, then switch back on.

PLEASE CONTACT OUR TECHNICAL DEPARTMENT FOR HELP IF YOU NEED ASSISTANCE