



MR11 LOW VOLTAGE FIRE PROTECTION DOWNLIGHTS




**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
LEAVE A COPY FOR THE USER / MAINTENANCE ENGINEER FOR FUTURE REFERENCE**

FEATURES

- Integrated Intumescent material completely seals the downlight in the event of a fire.
- Registered Community Design Pending.
- UK Patent Pending.
- 2 Year Guarantee.
- Cast aluminium Fixed, Adjustable and IP65 versions available.
- Tested to BS476 Part 21 (Fire rating), suitable for 30, 60 and 90 minute fire rated ceilings.
- Tested to BS EN ISO 140-3:1995 & BE EN ISO 140-6:1998 (Acoustic rating), Maintaining the integrity of the sound insulation of a separating or internal floor.
- Designed for continuous usage with both Dichroic and Aluminium reflector lamps.
- Designer accessories available to customise your installation.
- Includes 35W MR11 lamp.

IMPORTANT INSTALLATION INFORMATION

- Installation should be carried out in accordance with the latest edition of the I.E.E. Wiring Regulations (BS7671) and taking into consideration the latest Building Regulations. If in doubt, consult a qualified electrician.
- Maximum Voltage – 12V AC.
- Check that the correct lamp type and wattage is fitted.
- **IMPORTANT.** Ensure that ALL electrical connections are tight with no loose strands, including factory made connections.
- These luminaires are for indoor use only.
- DO NOT install this Luminaire into new plaster or damp areas.
- Ensure there is adequate free air circulation of at least 50mm around the luminaire. All luminaires run hot. It is the installer's responsibility to consider fire risk and take appropriate precautions.
- The luminaire must not, under any circumstances, be covered with any insulation materials and luminaires must not be installed close to flammable materials.
- Before commencing installation or maintenance, ensure electricity is switched off at the mains.
- The nearest illuminated surface must be at least 0.5m from the front of the luminaire.
-  35W- If this luminaire is to be mounted on a Normally Flammable Surface e.g. a wooden ceiling or a material based on wood, the maximum lamp rating is a 35-Watts.

IMPORTANT USER INFORMATION

- Always switch off mains supply before servicing, fitting or changing the lamp.
- Replace failed lamps immediately. Allow the lamp and fitting to cool before replacing lamp.
- Check that the correct lamp type and wattage is fitted,
- Fit self-shielding lamps only.

INSTALLATION INSTRUCTIONS

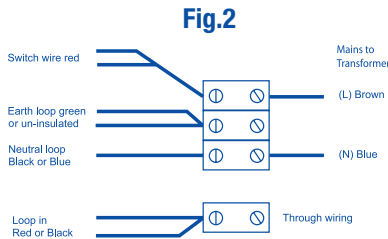
FIXED, ADJUSTABLE AND IP65

1. Select the required position for the luminaire ensuring the clearances shown in Fig.1 are observed. Beware of joists, water pipes and electric cables. Use the cut-out template on the inside lid of the box to cut a hole in the ceiling for the type of luminaire to be fitted. For IP65 luminaires, insure the contact area between the fitting and the contact surface is smoothed off. A suitable silicon sealant may be used between the gasket of the downlight housing and the mounting surface. Failure to do this may result in the IP65 rating not being maintained.

2. Connect the luminaire to the transformer using the terminal block supplied. No earth connection is required. Ensure that the fitting does not come into contact with any earthed metal. Mains connection to the transformer should be made using a suitable electrical junction box in compliance with the I.E.E. Wiring Regulations. The “looping-in” of the fixed wiring supply should be maintained. See Fig. 2.
3. Slide the legs of the mounting spring clips into the ceiling cut-out and push the luminaire up into the aperture. Ensure that it is securely located.
4. Ensure that the lamp is correctly located in the lampholder. Switch on the power supply.

GENERAL

- Aurora low voltage luminaires (class III) should be used with a double insulated, safety extra low voltage (SELV) isolating transformer only.
- Class III luminaires **MUST NOT** be connected to a mains supply.
- The transformer should be located in a well-ventilated position, not closer than 20cm from the luminaire to avoid overheating.
- Connect the luminaire to the transformer using the terminal block and support bracket supplied.
- Dimming of 12V luminaires is possible. First check the compatibility between transformer and dimmer. Aurora electronic and toroidal transformers are dimmable. A slight increase in transformer noise may be evident when dimming.
- Ensure that the correct rating of transformer is used for the total lamp wattage. Electronic transformers require a minimum load to operate. E.g. a 20-60VA transformer requires a minimum load of 20W.
- IP65 rated luminaires are protected against dust and jets of water. It is suitable for installation in locations containing a bath or shower, as defined by the I.E.E Wiring Regulations, Zones 1, 2 & 3 where water jets are likely. See Fig.3 below.



If your luminaire is not at the end of a wiring spur, then there will be an extra pair of wires together (looping-in wires) in the supply wiring which could be coloured black or red. These should be connected together using a fourth approved terminal block as shown. If in doubt consult a qualified electrician

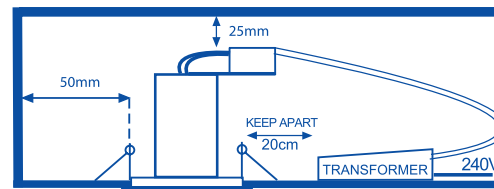


Fig. 1

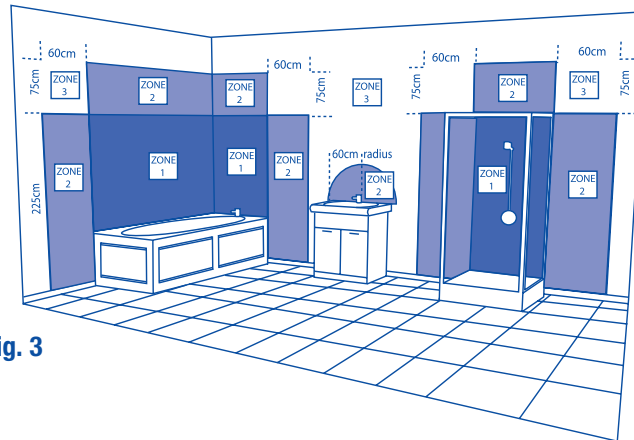


Fig. 3

GUARANTEE

This product is guaranteed in the UK for a period of 2 years from the date of purchase. The guarantee is invalid in the case of improper use, installation, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Aurora does not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. Aurora reserves the right to alter specifications without prior notice.