





IP44 LOW VOLTAGE DOWNLIGHTS



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

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 from an SELV source.
- Use only with MR16, GU5.3 lamp cap.
- **IMPORTANT**. Ensure that ALL electrical connections are tight with no loose strands, including factory made connections.
- These luminaires are for indoor use only.
- 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.
- Installations requiring Fire Hoods – Please Note that if a non Aurora Fire Hood is used with this luminaire the guarantee is invalid.
- 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-Watt lamp.
-  50W- Do not use 50 Watt lamps in this luminaire if it is to be mounted on normally flammable surfaces.

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 (MR16 Max. 35-Watts on flammable surfaces, 50-Watts on non-flammable surfaces).
- Fit self-shielding lamps only.

INSTALLATION INSTRUCTIONS

1. If the fitting is installed on an uneven surface, the contact area between the fitting and the surface must be smoothed off. A suitable silicon sealant should be used between the gasket of the downlight housing and the mounting surface. Failure to do this may result in the IP44 rating not being maintained.
2. 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.
3. 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.
4. 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.
5. Twist and remove the glass front cover and insert the lamp into the lamp holder. Replace the glass cover.
6. Switch on the power supply.

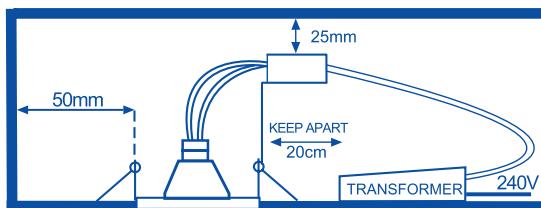


Fig. 1

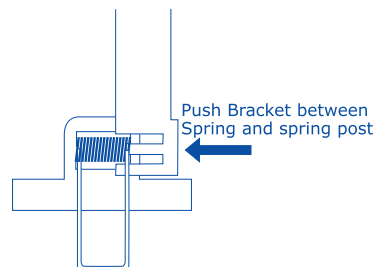


Fig. 2

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.
- This fitting is IP44 rated and is protected against splashing water from all directions when correctly installed. It is suitable for installation in locations containing a bath or shower, as defined by the I.E.E Wiring Regulations, Zones 1 & 2 EXCEPT where water jets are likely. See Fig.3 below.

Environmental Protection (W.E.E.E.) – Aurora's WEEE Reg.No. WEE/BG0130YX



Waste Electrical & Electronic Equipment Regulations (WEEE) requires that any of our products showing this marking (left) must not be disposed of with other household or commercial waste. Aurora does not levy any WEEE disposal charges to its customers for affected WEEE related products. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate any such product from other waste types and recycle it responsibly at your local facilities. Check with your Local Authority, Recycling Centre or retailer for recycling advice. If, when you purchased any Aurora product, your supplier included a WEEE disposal fee, you should then contact your supplier for advice on his takeback of the product for the correct disposal.

GUARANTEE

This product is guaranteed in the UK for a period of 1 year 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). With installations requiring Intumescent Fire Hoods the guarantee is invalid if the recommended Aurora Intumescent Fire Hood is not used with this luminaire. 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 reserve the right to alter specifications without prior notice.

Fig. 3

