



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.
- UK Patent Pending.
- 2 Year Guarantee.
- Cast aluminium or pressed steel 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 & BS EN ISO 140-6:1998 (Acoustic rating), maintaining the integrity of the sound insulation of a separating or internal floor.

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. (MR16 Max. 35-Watts on flammable surfaces, 50-Watts on non-flammable surfaces. However, on the A2-DLL932/952, Max 50W on flammable & non-flammable surfaces). Please note however, when using plastic ceilings, refer to the ceiling manufacturer for temperature rating and suitability.
- PLEASE NOTE: ONLY ALUMINIUM REFLECTOR lamps are suitable for use in these downlights.
- **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. Use ALUMINIUM REFLECTOR lamps only.
-  50W- Do not use 50 Watt lamps in this luminaire if it is to be mounted on normally flammable surfaces (However, on the A2-DLL932/952, Max 50W on flammable & non-flammable surfaces). Use ALUMINIUM REFLECTOR lamps only.

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 recommended on non-flammable surfaces. However, on the A2-DLL932/952, Max 50W on flammable & non-flammable surfaces). Use only ALUMINIUM REFLECTOR lamps that produce forward heat.
- 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 dimensions below to cut a hole in the ceiling for the type of luminaire to be fitted. For IP65 luminaires, ensure 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.

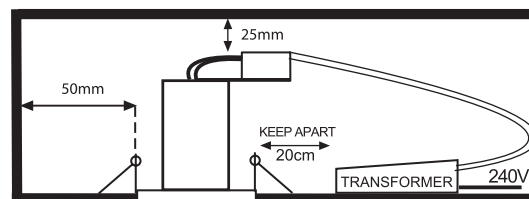
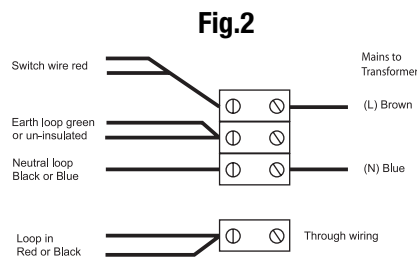
2. Connect the luminaire to the transformer using the terminal block supplied. No earth connection is required. Ensure that the fitting does not come into contact with any earthed metal. Mains connection to the transformer should be made using a suitable electrical junction box in compliance with the 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. A silicone O-ring is supplied separately with the Fixed version luminaires. This O-ring is to be installed directly behind the lamp and is intended for use to reduce air leakage in order to aid compliance with Part C & L of the Building Regulations.
5. Switch on the power supply.

CUT-OUT DIMENSIONS

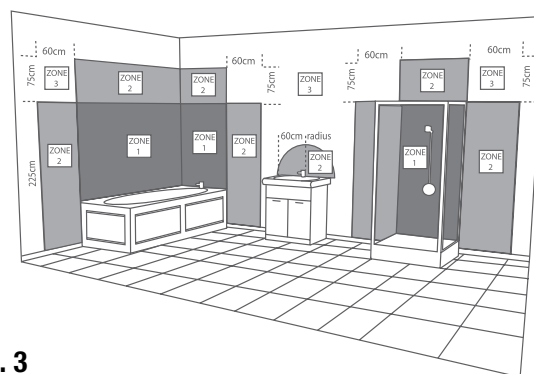
- A2-DLL951 / 953 / 931 / A2-FPK951/ A2-FPK953 – 65mm diameter
- A2-DLL932 / 952 / A2-FPK952 – 75mm diameter

GENERAL

- Aurora 2 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



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.