

FIREBREAK 12 VOLT FIRE PROTECTION DOWNLIGHT

INSTALLATION INSTRUCTIONS

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

FEATURES

Diecast, twist-lock downlight, with a large, ventilated enclosure designed to reduce high surface temperatures & subsequent fire risk. Suitable for continuous operation.

Integrated intumescent material completely seals the downlight in the event of a fire.

Tested to BS476 Part 21:1987 - Certified Assessed fire resistance for up to 90 minutes – IFCA/06193/02.

Tested to AS/NZS 60598.2.2:2001.

Easy compliance for electricians to AS/NZS 3000:2007 4.5.2.3 option (c)

IMPORTANT USER INFORMATION

Always switch off mains supply before servicing, fitting or changing the lamp.

Replace failed lamps immediately.

Allow the lamp & fitting to cool before replacing lamp.

Check the correct lamp type & wattage is fitted (max 50 watt Dichroic MR16, or max 35 watt Energy Saver Dichroic MR16; example - Osram ES IRC or Phillips MASTERLine ES).

Fit self shielding lamps only. We recommend quality branded globes i.e. Osram, GE, Phillips

IMPORTANT INSTALLATION INFORMATION

Before commencing installation, ensure electricity is switched off at the mains power switch.

Installation should **ONLY** be carried out by a licensed electrician, in accordance with AS/NZS 3000:2007 and taking into consideration any Building Code requirements.

The nearest illuminated surface must be no less than 0.5 m from the front of the luminaire.

The luminaire is suitable for installation in normally flammable surfaces i.e. timber, but the luminaire **MUST NOT** be installed in, or close to highly flammable materials, i.e. polystyrene.

This extra low voltage luminaire **MUST NOT** be directly connected to mains power supply.

Ensure all electrical connections are tight with no loose strands including factory connections.

Dimming of this luminaire is possible, but compatibility between transformer and dimmer **MUST** be checked first.

Ensure that there is adequate free air circulation around the luminaire; refer to Fig.1 & Table 1.

Insulation material **MUST NOT** cover the luminaire or transformer. The transformer should be located in a well ventilated position a minimum of 50 mm from the edge of the luminaire to avoid overheating, (see Fig. 1 & Table 1) and at least 20mm clear of adjacent thermal insulation.

Install transformer above insulation level where possible, on a non-flammable surface.

There should be a minimum of 50mm free air space above surrounding insulation.

DO NOT install this luminaire in a confined air-space of less than 0.05m³ (eg - 200mm H x 500mm W x 500mm L).

This luminaire could run above safe temperatures if not installed according to all instructions on this leaflet, including the section 'Important User Information'.

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FIREBREAK 12 VOLT INSTRUCTIONS CONTD.

If loose-fill insulation is installed in the space containing this luminaire, a fire resistant barrier min. 50mm higher than the surrounding insulation level **MUST** be installed in a manner that will maintain the required clearances as detailed in Fig. 1.

INSTALLATION INSTRUCTIONS – FIXED & TILT MODELS

1. Ensure that the mains power is switched off.
2. Select the required position for the luminaire, ensuring the clearances shown in Fig.1 are adhered to. Beware of joists, insulation, water pipes and electric cables; cut a hole in the ceiling which matches to the type of downlight (see Table 2 below). Connect extra low voltage secondary leads from the transformer to the terminal block.
3. Pinch the two secondary wires to a 90° bend at the cable entry point on top of the luminaire to facilitate easier globe replacements at later dates.
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. Ensure the lamp is correctly located in the lamp holder.
6. Leave a copy of these instructions with the property owner/developer or builder.

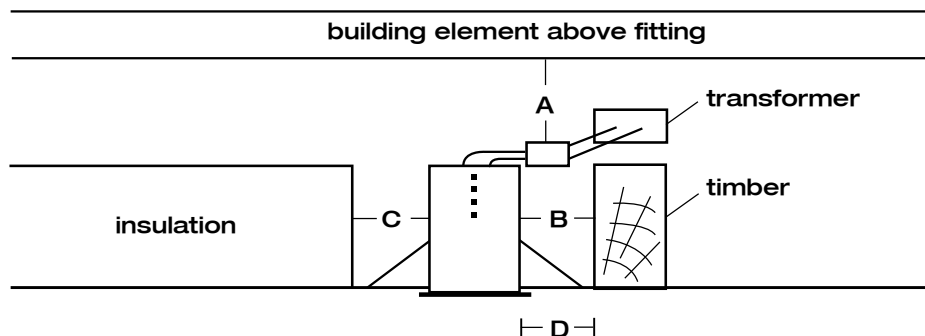


Fig. 1

TABLE 1

DIMENSION	MINIMUM CLEARANCES
A – clearance above luminaire	25mm
B – luminaire side clearance to timber	25mm
C – luminaire side clearance to insulation	25mm
D – clearance from supply transformer	50mm

TABLE 2

NAME	CUTOUT DIA.	LAMP TYPE
TWIST-LOCK FIXED	75mm	MR16
TWIST-LOCK TILT	90mm	MR16

Arrowform P/L reserve the right to change product design/specifications at any time.

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