

### 1) INTRODUCTION

The FIRE MARSHAL FIRE MANAGEMENT RANGE of recessed downlighters offer an economical and practical solution to the requirements of the current building and wiring regulations.

FIRE MARSHAL fittings are designed and manufactured to comply with the provisions of BS476: Part 21: 1987 and BS EN ISO 140-6: 1998 Acoustics Measurement of sound insulation in buildings and of building elements.

The range includes fittings in white, brass, antique brass, chrome and matt chrome finishes.

**Please read these instructions carefully and completely prior to commencing installation and retain them for future reference.**

The fire rating and safety of this fitting relies on correct installation as listed in the **INSTALLATION** and **WARNINGS** sections 3) and 4) below and also compliance with the requirements of the current building regulations and the requirements of the IEE Wiring Regulations Sixteenth Edition.

These instructions refer to GU10 Mains Voltage Fire Marshal Downlighters.

### 2) SPECIFICATION

Input Voltage: 230/240V

Lamp Wattage: 230/240V GU10 Aluminised Reflector Halogen Lamp 50W maximum (Standard Fitting) or  
230/240V GU10ARL Energy Saving Lamp 13W maximum (Energy Saver Fitting)

### 3) INSTALLATION

The correct installation of this fitting is critical to ensure its integrity as a barrier to fire and also its electrical safety. Install this fitting only if you are competent to do so. If you are unsure of any aspects of installation **DO NOT** install this fitting instead seek advice from a competent person.

The fitting must be mounted on a flat smooth surface capable of providing the required fire rating.

The fitting comes fully assembled and ready to install.

Always isolate the mains supply before carrying out any work.

Mark out and cut accurately a circular aperture as follows according to fitting type:

FDL57 Fixed Downlighter 72mm diameter cut-out

FDL60 Tilt Downlighter 85mm diameter cut-out

FDL68 IP65 Downlighter 72mm diameter cut-out

**NB:** The circular accuracy and correct diameter of the cut out aperture are critical in ensuring that the fire rating of the fitting is maintained.

Make the electrical connection to the mains supply ensuring that IEE Wiring Regulations Sixteenth Edition are fully complied with.

Push up the spring loaded clips against the side of the fitting and install the fitting centrally into the aperture. Once fully inserted ensure that the fitting is held firmly in place by the spring loaded clips centrally in the cut out aperture.

Install the correct type of lamp:

230/240V GU10 Aluminised Reflector Halogen Lamp 50W maximum (Standard Fitting) or  
230/240V GU10ARL Energy Saving Lamp 13W maximum (Energy Saver Fitting)

Re-instate the mains supply and test the fitting for correct operation.

### 4) WARNINGS

**DO NOT** install this fitting unless you are competent to do so.

**DO NOT** modify the fitting in any way. If any modification is made, it will invalidate the warranty and may render the fitting unsuitable for use.

**DO NOT** exceed the maximum lamp rating.

**DO NOT** cover the back of the fitting with insulation this may cause the fitting to over heat and may cause a fire hazard.

**DO** ensure a minimum of 100mm around the fitting and 50mm above the top of the fitting, in the void behind the mounting surface for free air ventilation, to allow adequate heat dissipation.

**DO** disconnect the mains supply during installation or maintenance.

**DO** ensure that there are no pipes or cables present before drilling any holes.

**DO** ensure that you use the correct Aluminised Reflector Lamp. Failure to do so may cause the fitting to over heat leading to premature lamp failure, damage to the lamp holder, wiring and the fitting itself.

**DO** allow the lamp and fitting to cool before carrying out any maintenance work or lamp changes.