



Description – IP65 Downlight FRD LED  
Cool White & Warm White



## Installation Instructions

Luminaire Code(s) – **4L1/2000/3 & 2000/4**

### General Installation Instructions

**These instructions should be read carefully prior to any installation and retained after completion for further reference and maintenance. Please give these instructions to the building owner/occupier after installation.**

### Important Safety

1. Before installation, maintenance or lamp replacement, ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or the circuit breaker is turned off.
2. It is recommended that only a qualified electrical contractor carries out the installation of this luminaire and that the luminaire is installed in compliance with the current edition of the IEE Wiring Regulations.
3. The person carrying out the installation is to check and verify that the total load on the circuit, including that of this luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
4. Where a luminaire incorporates discharge control gear (inductive load), the circuit capacity and ratings require careful sizing to avoid nuisance tripping of the protective device used in the installation.
5. Where applicable, careful consideration should be taken during installation to ensure that all fixings and/or suspensions are of a suitable size for the luminaire being installed.

### Ratings

1. All luminaires are manufactured & tested in compliance with the requirement contained within BS EN 60598 and are CE marked.
2. All luminaires that are of Class 1 construction and that are marked accordingly, MUST be earthed.
3. All luminaires are designed to operate at 230Volts AC -6%/+10% = 216Volts to 252Volts. Do not operate outside these voltages.
4. All luminaires are only suitable for applications within their rated Ingress Protection limits as stated.
5. **This luminaire is designed for internal use only.**

### Exclusions to Warranty

**Please Note** - The limited warranty shall be null and void in the following circumstances:-

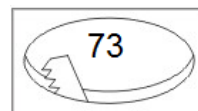
Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 0 - 25°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

### Installation

- Select a suitable mounting location to install luminaire. Care should be given to ensure adequate ventilation for luminaire. Check that sufficient depth is available in the ceiling void and there is adequate free air ventilation around the luminaire.
- Ensure luminaire is not located in close proximity to ceiling joists, electrical cables, and pipe work or insulation materials. Luminaires should not be installed where the illuminated surface is within 0.5m from the front of the fitting.
- Ensure you do not cover the Luminaire with any insulation materials.
- Cut a 73mm diameter round hole in the ceiling material. This luminaire is suitable for installation in ceiling material thickness from 10mm to 30mm.
- Terminate the 230V supply cable ensuring the correct polarity is observed.
- **Please note : Earth terminals for loop in/loop out purposes only**
- **Connect as follows:**

LIVE	(L)	BROWN OR RED
NEUTRAL	(N)	BLUE OR BLACK
- Offer the luminaire through the aperture, bend back the springs and push gently into the ceiling. Do not install the luminaire onto new plaster or wet paint.
- Restore the power supply, switch on and test for correct operation.

**IP65**



- Luminaire not suitable for covering with thermally insulating material.

### Maintenance:

1. This Luminaire contains no serviceable parts.



#### **Disposal of Electronic Equipment WEEE Directive 2002/96/EC**

This product falls within the scope of the Waste Electrical & Electronic Equipment Directive (WEEE), which means the product should not be disposed of as normal household waste. Ensure that this luminaire and lamp is disposed of in accordance with the WEEE Directive. Contact a local Council Waste Dept. Local Amenity Site, or the Environment Agency for further information. **RoHS** - All components and materials used in this product are **RoHS** 2002/95/EC compliant.



Blue / Black



Brown / Red