

Installation Leaflet

FLUSH TO WALL EMERGENCY LUMINAIRE

Earthing Class I IP30

Mounting Instructions

1. Cut out recess for back box 250FW - (280 x 150 x 60mm) or 300FW - (360 x 150 x 60mm)
2. Remove reflector (secured by four screws), mark and drill fixing holes in recess.
3. Insert cable through back box and fix into position. Follow wiring instructions as detailed later.
4. Refit reflector and adjust left and right leveling brackets if required.
5. Take legend assembly (supplied separately) and attach to luminaire body using the fixing screw provided.
6. Install legend, this is designed to sit in situ on the body and no fixing method is required.
7. Follow initial testing procedure

Wiring Instruction. There is no restriction on the type of cable to be used but careful consideration should be applied when calculating the size of cable for larger installations. Voltage drops should comply with the latest I.E.E. wiring regulations. All luminaires should be properly earthed.

Mains Version *This type of luminaire requires a line for standard mains operation mode only, this may be switched or otherwise.* The luminaire is supplied with a fused terminal block. Connect the live to “L”; connect neutral to “N” and your earth to the other terminal. Follow the test procedure as detailed later.

AC/DC Inverter Version *This type of luminaire requires an AC/DC supply from a central battery system. The luminaire may be permanently On or Off.*

The luminaire is supplied with a fused terminal block. Connect your AC/DC supply + to the terminal marked “L” to and connect AC/DC - to “N” (ensure correct polarity). Follow the test procedure as detailed later.

Change over AC/DC Inverter

This type of luminaire requires a switched line for standard operation of the mains control gear and a permanent line for the emergency gear. The permanent line provides a reference for the emergency gear and a source to change to the emergency supply when is standard mains fails. This can be either AC or DC depending on the type of fitting to be installed. The luminaire is supplied with fused terminal blocks. Connect the terminal marked “USL” to a permanent supply. Connect neutral and switched line (SL) to the other terminals for normal operation of the mains gear.

Connect the emergency supply into terminal block marked ‘Emergency Supply’ L / N and / or “+” and “-” ensure correct polarity follow the test procedure as detailed later.

Maintained Version *This type of luminaire requires a switched line for standard operation of the mains control gear and a permanent line for the emergency gear. The permanent line provides a reference for the emergency gear and a source to charge the batteries when is standby mode. The luminaire is supplied with a fused terminal block. Connect the terminal marked “USL” to a permanent supply. Connect neutral and switched line (SL) to the other terminals for normal operation of the mains gear.* Connect the battery leads together (ensuring correct polarity) and check that the LED illuminates when mains is applied. Ensure that the battery leads are never short circuited when disconnected.

Non-Maintained this type of luminaire requires an unswitched line for operation in emergency mode only. The permanent line provides a reference for the emergency gear and a source to charge the batteries when in standby mode. The luminaire is supplied with a fused terminal block. Connect the “USL” to a direct supply connect neutral and earth to the other terminals. Connect the battery leads together (ensuring correct polarity) and check that the LED illuminates when mains is applied. Ensure that the battery leads are never short circuited when disconnected. Both of the above versions may be wired to a test switch if required on the unswitched line (USL), but remember when testing to remove the switched line on the maintained version first. **INITIAL TESTING:** Charge the batteries for 24 hours and then turn off the unswitched live feed by operating the luminaire test switch, if fitted (push and hold) or the supply source as necessary. Check that the lamp illuminates at a reduced brilliance and remains on for a specified period. **ROUTINE TESTING:** The unswitched live feed should be interrupted once a month for a short period of time to ensure that the emergency circuit is functioning correctly. Every six months the circuit should be operated for 1 hour and every three years for a period of 3 hours. (Recommendation of BS5266 Part 1:1988)

Servicing and Lamp Replacement

LED Replacement - A long life of continuous operation is expected and replacement should not be necessary, if however the led strip fails contact us for replacement(s).

Dali

Connect the Dali connections into the terminals marked DA DA.

SERVICING e.g. CLEANING, GEAR OR FUSE REPLACEMENT SHOULD ONLY BE CARRIED OUT AFTER THE LUMINARE HAS BEEN ELECTRICALLY ISOLATED AND ALLOWED TO COOL.

The life of the batteries (if fitted) will generally depend upon the ambient temperature of the installation. A life of at least four years can normally be expected. If during routine testing the specified discharge is not achieved then the batteries should be replaced.

IMPORTANT

This product should NOT be modified. Any modification may render this product unsafe and will invalidate its safety/approval marks. Philip Payne Ltd. Will not accept responsibility for any damage caused as a result of their modification. Installation of this product should only be carried out by competent person(s). If in any doubt, consult a qualified engineer.

WARNING: Ensure mains are fully isolated before servicing; high voltages greatly in excess of mains voltages can be present during operation. Failed lamps should be replaced promptly or the circuit switched off to avoid possible damage to control gear. Continual operation at mains voltages in excess of the rated voltage will reduce lamp and expected gear life, and may contravene any relevant certificate requirements. *A copy of our safe use for luminaires guide is available to download from our website.*

