

Emergency LED bulkhead
Usermanual

For self-test Series: BEM-4.5W

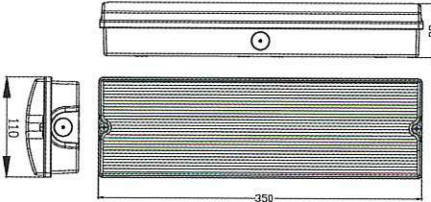


This installation must be carried out by an electrician. Please read these instructions carefully before installation. Leave a copy for the user/maintenance engineer for future reference.

Specification

Table with 10 columns: Model, Emergency Mode, Input, Watt (W), Lumen, Beam Angle, Emergency Pack, Emergency Lumen, Autonomy Time, Protection Rating. Row 1: BEM-4.5W, Maintained, 200V-240V, 4.5, 200, 120°, 3.6V1.2Ah Ni-Cd, 100, 3 Hrs, IP65. Row 2: BEM-4.5W, Non-maintained, 50/60HZ, 1.5, ---, ---, ---, ---, ---, ---.

CCT:4500K

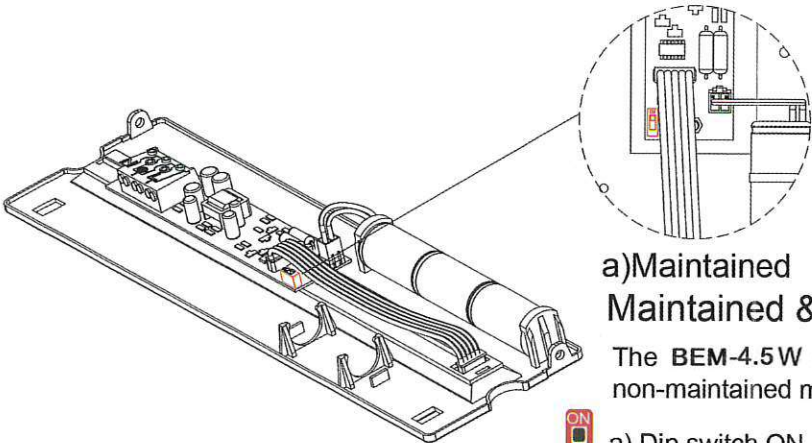


Important Installation Information

- Installation should be carried out in accordance with the latest edition of the I.E.E. Wiring regulations and taking into consideration the latest building regulations.
- Ensure that all electrical connections are tight with no loose strands, including factory made connections.
- Ensure there is adequate free air circulation of at least 100mm around the luminaire. It is the installer's responsibility to consider fire risk and take appropriate precautions.
- A separate enclosure may be required if this unit is to be used in dusty and wet environments.

Important User Information

- Always switch off the mains before servicing or fitting
 - If the product is faulty, consult the seller before any maintenance.
- Warranty
- This unit is guaranteed for 4 years.
 - Any modifications made by anyone other than the manufacturer could render the unit unsafe and invalidate the warranty.
 - Contact LEDsave for technical support if the unit is found to be faulty.



a) Maintained Maintained & Non-maintained work mode

The BEM-4.5W series can work both in maintained and non-maintained mode.

- a) Dip switch ON. It works in maintained mode;
- b) Or it works in non-maintained mode.

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Emergency Specs.

Table with 1 column and 10 rows: Standard: IEC60598-2-22:2014, Emergency watts: > 1.2 Watts, Emergency operation time: > 3 Hours, Lumen: 100lm (in EM mode), Battery charging current: 100mA, Battery discharging current: 300mA, Battery type: Ni-CD AA, 3.6V 1.2Ah, Test button: Included, Charging indicator: Green LED, Self-test: Included, Faulty indicator: Red.

ADDITIONAL INFORMATION - COMPONENT REPLACEMENT

- The luminaire contains no user replaceable components other than the battery pack contained in emergency versions
- The battery has a 4 year service life provided it is operated and maintained by regular testing, as detailed in this document. Failure to maintain or change the battery may result in reduced duration in emergency mode

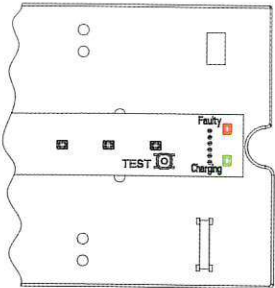
Emergency function test before installation

1. Connect the AC and battery plugged on. (The green charging indicator on, Faulty indicator off)
2. Active the test button, the charging indicator off, and emergency the function actived.
3. Unplugged the battery, charging indicate OFF, The faulty indicate light flash in 1Hz.

Manual & Self-Test

1. Manual function test. Active the test button.
 - a) The charging indicate OFF.
 - b) The Emergency function ON.
- 2 Monthly test. Active the test button for 5 second; or the lamp installed every 30 days.
 - a) The green light will flash in 1HZ for 128s.
 - b) The Emergency function ON.
 - c) The test finished and back to standby mode.

- 3 Annual test. Active the test button for 7 second; or the lamp installed every 180 days.
- a) The green light will flash in 2Hz for 3hours;
 - b) The emergency function ON.
 - c) The lamp back to standby mode after test.



Emergency Self-test Logic

Table with 5 columns: Operation, Charging indicator, Faulty Indicator, Emergency LED (Maintained mode), Emergency LED (Non-maintained mode). Rows include Time line, Normal charging, Manual test, Monthly self-test, Yearly self-test, Battery circuit failure, Light source failure, and Duration test failure.

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 . The guarantee is also invalidated if the luminaire has been I.R. tested. 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. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.