

INSTALLATION INSTRUCTIONS

Emergency Testing Sheet

Testing (Emergency Versions)

The emergency light must be tested and inspected regularly in accordance with local codes of practice.
 NOTE: For safety reasons tests should be carried out preceeding time of low risk, to allow for battery recharge.
 The minimum recommended test schedule is as follows:
 Commissioning - After installation, allow 36 hours to ensure full battery charge, and then interrupt the supply; check after 3 hours that the lamp is still illuminated.
 1. Daily - Check that the charge indicator LED is working.
 2. Monthly - Interrupt the power supply for a period sufficient to ensure each lamp is illuminated. At the end of the test, restore the supply and check the indicator is illuminated.
 3. Annually - Interrupt the supply as in 2, but for the full rated duration. Ensure the lamp is illuminated at the end of the rated duration. Restore the supply and check the indicator is illuminated.
 4. Record the date and result of each test, attending to any maintenance required in the event of a test failure.

Luminaire Location Date Installed

Date Commisioned

Month	Test	Year 1			Year 2			Year 3		
		Signed	Result / Action	Date	Signed	Result / Action	Date	Signed	Result / Action	Date
1	Functional									
2	Functional									
3	Functional									
4	Functional									
5	Functional									
6	Functional									
7	Functional									
8	Functional									
9	Functional									
10	Functional									
11	Functional									
12	Full Duration									

Safety Warning



- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.

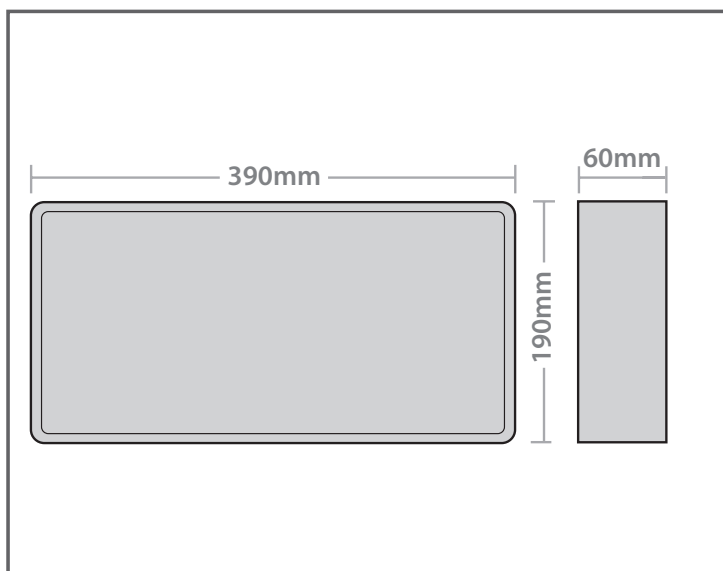


Specification

Box Contents -

1 x EBM Exit Box
1 x Up Arrow Legend

Dimensions:	W: L: 390 x W:190 x D: 60mm
Material:	Body: Steel Legend: Polycarbonate
Colour Temperature:	6000K
CRI:	Ra>70
LED Lifetime:	L70B50 60,000 Hrs
IP Rating:	IP20
IK Rating:	IK10
Working Temperature:	0°C to 40°C
Guarantee:	1 Year

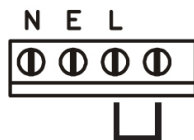


Installation Instructions

- The exit box must be fitted at least 0.5m away from any surface.
- Check for concealed cables before drilling the fixing holes.
- Undo the two screws on the cover and then lift off the cover.
- Using the fitting as a template, mark the position of the fixing holes on to your mounting surface.
- Thread the supply cable through an entry point and into the fitting and fix the fitting to the mounting surface.
- Make connections to the mains supply as shown, according to the following wiring colour coding:
Live - brown - terminal l: this is the live supply to the charging circuit and must be permanent and unswitched
Neutral - blue - terminal n: this is the neutral supply and must be permanent.
Earth - green and yellow - terminal e: this is for the earth and must be connected.
Normally the supply will be taken from the lighting circuit and the permanent live connected to the live terminal in the fitting.
The fitting is supplied with a wire link between the l & ls terminals. Remove this link if non-maintained operation is required.
- If switched maintained operation is desired, remove the wire link and connect a switched live supply to the ls terminal.
- Write the current date on to the battery pack.
- Connect the battery pack to the circuit board.
- Restore the power supply. The LED should light to indicate correct charging.
- Replace the cover.

MAINTAINED OPERATION:

LEAVE WIRE LINK IN
PLACE FOR MAINTAINED
OPERATION

**NON-MAINTAINED
OPERATION**

REMOVE WIRE LINK
FOR NON-MAINTAINED
OPERATION

Operation

Non-maintained

- The lamp is normally off and battery on automatic charge (the green LED is on) when the A.C. supply is healthy. Solid state circuitry automatically switches the lamp on when the A.C. supply is interrupted.

Maintained

- The lamp is normally on when the supply to the switched live is on. The battery is on automatic charge (the green LED is on). The lamp will switch on or remain on if the A.C. supply is interrupted.

Monitoring

- The green LED indicator lamp will be on continuously. It will go out if the A.C. supply charger has failed, or battery disconnected.
- The unit is not meeting the required emergency duration: The fitting may need cycling. Discharge then recharge the fitting for a full 24 hours. Retest the emergency duration. The battery may need replacing if the emergency duration is still not achieved.

Battery Replacement

- If after a routine operation check, the lamp does not remain lit for the three hour period, a new battery pack may be required.
- Switch off the electricity at the mains.
 - Allow the batteries to fully discharge then reconnect to the supply and allow to charge for 24 hours.
 - Test again for three hours, if the light does not remain lit change the battery pack as follows:
 - Remove the cover.
 - Unplug the battery lead from the circuit board.
 - Pull the battery from the circuit board.
 - Write the current date on the battery pack.
 - Fit a new battery pack onto the circuit board.
 - Plug the battery back onto the circuit board.
 - Close and secure the cover.
 - Restore the power and allow to charge for 24 hours.
 - Perform a full operation check and update the test record.

Guarantee

This product is guaranteed for a period of 1 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the 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 (BS7671). The guarantee is also invalidated if the luminaire has been insulation 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.

Maintenance

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- The light source & driver in this luminaire can be quickly and easily replaced at end of life. This should be carried out by a competent person. Contact Red Arrow for details of replacements.
- When this fitting comes to the end of it's life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

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