

# PRO-ELEC



**Model No. PEL00589**

**MAINTAINED  
LED SQUARE EMERGENCY CEILING LIGHT**

**Please read these instructions carefully before starting installation and retain for future reference. The centre page test record can be removed and kept with the building fire safety records.**

## **IMPORTANT SAFETY INFORMATION**

**RISK OF ELECTRICAL SHOCK. ALWAYS ISOLATE THE POWER AT THE MAINS BEFORE INSTALLING OR MAINTAINING THIS EMERGENCY LIGHT.**

- This product must be installed by a competent person in accordance with the Building Regulations and the current edition of the IET Wiring Regulations (BS7671).
- This product is suitable for mounting on normally flammable surfaces such as wood, plasterboard or masonry.
- Emergency light fittings should have their own separate mains circuit, protected with an appropriate MCB or fuse. They should not share their supply with other lighting or electrical equipment.
- This product is suitable for connection to a 220-240V~ 50Hz, fixed wiring supply.
- This product must be earthed.
- For indoor use only.
- Ensure that after installation the equipment remains accessible for regular maintenance and testing.

## **INSTALLATION**

NOTE: Before drilling any holes, check that there are no hidden obstructions behind the mounting surface such as pipes or cables.

1. Loosen the 4 screws on each side of the diffuser and remove it.
2. Remove the 2 screws holding the main assembly plate into the main casing and allow the plate to swing clear on it's pivot.  
NOTE: the plate assembly can with care, be removed from it's hinge in the casing, to aid initial installation of the product to the mounting surface.
3. Create a wiring access hole centrally in the base of the casing where marked.
4. Drill holes through the moulded mounting position indicators as required.
5. Using the casing of the product as a template, mark the position of the fixing holes on your mounting surface.
6. Drill the fixing holes and fit wall plugs as appropriate.
7. Feed the mains supply wiring through the central hole and secure the casing to the mounting surface using suitable fixings (not supplied).
8. Refit the plate assembly to it's hinge (if previously removed) and make connection to the mains supply using the screw terminal block attached to the plate. Ensure that the correct polarities are observed i.e.:
  - Brown – Live terminal 'L'
  - Blue – Neutral terminal 'N'.
  - Green/Yellow – Earth terminal 'E'
  - Link wire 'L' to 'SW' can be removed to change between maintained and non-maintained.
9. Write the current date on the battery pack.
10. Connect the battery pack terminal connector to the in-line connector on the wiring to the emergency module.

**Test Record Sheet on reverse  
PULL OUT**

# Installation, maintenance a

Location:

Installation date:

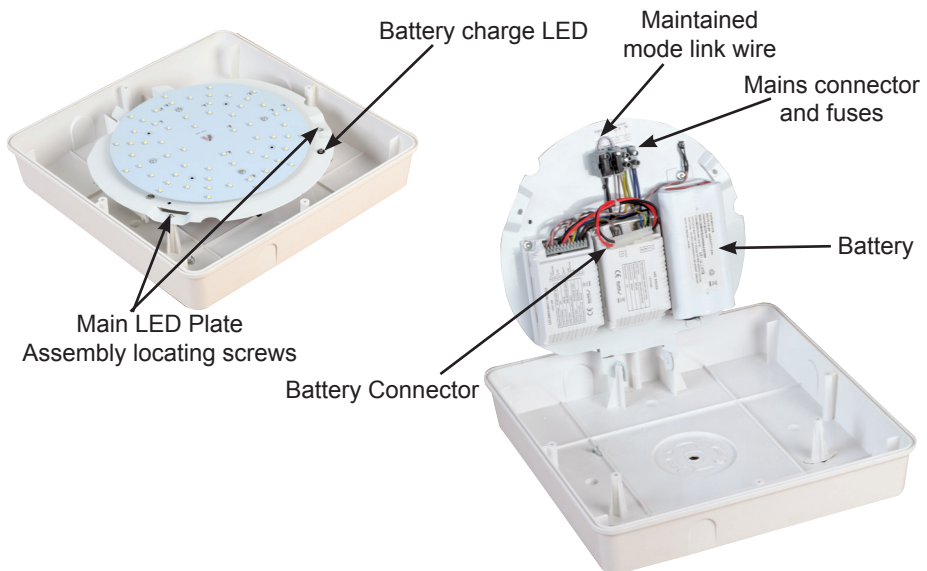
Installed by:

		20__		20__		2
Month	Test	Sign	Date	Sign	Date	S
1	Short					
2	Short					
3	Short					
4	Short					
5	Short					
6	1 h					
7	Short					
8	Short					
9	Short					
10	Short					
11	Short					
12	3h					



**Test Record Sheet on reverse  
PULL OUT**

11. Pivot the plate assembly flush into the casing and fix into position with the 2 screws. Make sure the screws are tightened.
12. Fit the diffuser into position and tighten the 4 screws.
13. Restore the power supply. The green LED should light to show the battery is being charged.
14. In maintained mode the lamp will illuminate.
15. Perform the electrical tests specified in the Wiring Regulations (BS7671).



## OPERATIONAL CHECKS

**Note:** This equipment must be checked regularly in compliance with local regulation and codes of practice. For your own safety, testing should occur during the day.

- After installation, you should allow 24 hours for the battery pack to charge fully before testing. Isolate the power supply and check that the lamp remains illuminated for at least three hours. Restore the power supply.
- Each day: Check that the green charging LED is lit.
- Each month (short test): Isolate the power supply and check that the lamp remains illuminated. Record the results on the test record sheet included with these instructions.
- Every six months: Isolate the power supply and check that the lamp remains illuminated after 1 hour. Record the results on the included test record.
- Once each year: Isolate the power supply and check that the lamp is still illuminated after 3 hours. Record the results on the included test record.

**Please keep these test records in a safe place. A fire officer or other authorised person may want to see your record of inspection and testing.**

## CLEANING AND MAINTENANCE

- Clean the product with a soft, dry cloth only. Do not use any solvents or abrasive chemical cleaners.
- The LED lamps in this product are non-replaceable.

## Changing the battery

- If after a routine operation check, the lamp does not remain lit for the 3 hour period, a new battery pack may be required. Change the battery pack as follows:
  1. Isolate from the mains supply.
  2. Remove the diffuser and release the main LED plate assembly.
  3. Unplug the battery pack in line connector.
  4. Loosen the battery locating nuts and remove the old battery pack.
  5. Write the current date on the new battery pack.
  6. Fit the new battery pack and secure in position.
  7. Reconnect the battery pack in-line connector.
  8. Refit the LED plate assembly. Tighten the screws and refit the diffuser.
  9. Restore mains power and allow to charge for 24 hours.
  10. Perform the full operation check and update the test record.

## Changing a fuse

- Two fuses are fitted to this product and are located on the mains connection terminal block and can be changed as follows:
  1. Isolate from the mains supply.
  2. Remove the diffuser and release the main LED plate assembly.
  3. Pull the fuse holder out of the terminal block
  4. Press the fuse out of the holder and replace with an identical fuse (240V F3A).
  5. Insert the fuse holder back into the terminal block.
  6. Refit the LED plate assembly. Tighten the screws and refit the diffuser.
  7. Restore the mains power and check the operation.

## SPECIFICATIONS

Input voltage:	220-240V~, 50Hz
Rated power:	16W
Lamps:	SMD2835 LEDs x 60pcs
Luminous flux:	980Lm(AC) / 200Lm(DC)
Continuous emergency illumination:	> 3 hours (when the battery is fully charged)
Battery pack:	Ni-Cd, 6V, 2Ah
Recharge time:	24 hours – approx.
Ambient temperature:	0 - 40°C
Over-discharge protection:	Yes
Ingress protection rating:	IP65



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.



When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of battery and recycling schemes in your area.



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