

Green LED Light - Non Hazardous

Installation Instructions

ELEDNH



Caution: DO NOT MEGGA after installation. It is recommended to disconnect live and neutral wires from the unit before an insulation resistance check.

GENERAL

The luminaire is designed for surface, suspended, wall or ceiling mounting and is not suitable for recessed or semi-recessed applications.

DESCRIPTION

Enware's Green LED Light is a versatile general purpose, IP65 rated, IK10 weatherproof lighting unit.

Linear LED light engines and efficient control gear provide class leading performance; protected by an IP65 impact resistant polycarbonate housing and prismatic diffuser delivering a uniform lit appearance.

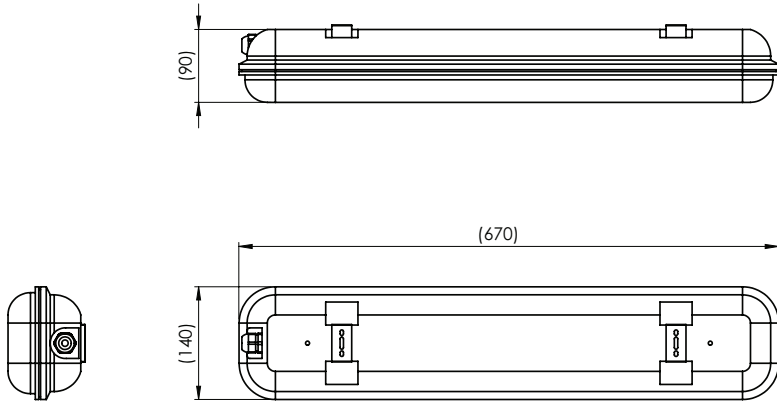
Enware Green LED Light has integral long life high temperature lithium battery for emergency back up.

FEATURES

- L70 50,000hrs
- Fast fix mounting clips for rapid installation
- Uniform lit appearance, no shadowing
- 4000K colour temperature, CRI >80, IP65, IK10
- High efficiency 110 (Lm/W) linear LED light engines
- Long life NiCd integral emergency battery
- Impact and heat resistant prismatic polycarbonate diffuser secured with tamperproof stainless steel clips
- Lumen output exceeds traditional fluorescent technology with reduced energy consumption
- Surface mount rear brackets supplied
- Two 20mm cable entries, one each end, supplied with IP gland.

PHOTOMETRIC CLASSIFICATION

Australian Standards AS2293-2005 specifies lighting orientation of the luminaire, with respect to the lamp, is critical for spacing distances quoted by the photometric classification. Please refer to AS2293 spacing table for reference



Operation mode	Mains, emergency maintained
Operation voltage	240V/ 50Hz, 19W - 42W
Lamp detail	LED 18W - 40W 2100lm, 4000K HF
Rating	IP65, IK10
Certification	AS2293:2005, AS/NZS CISPR15, AS/NZS60598.2.1
Standard materials	Body – PC, Diffuser – PC
Weight	2.3 kg

NOTE: Enware Australia advises:

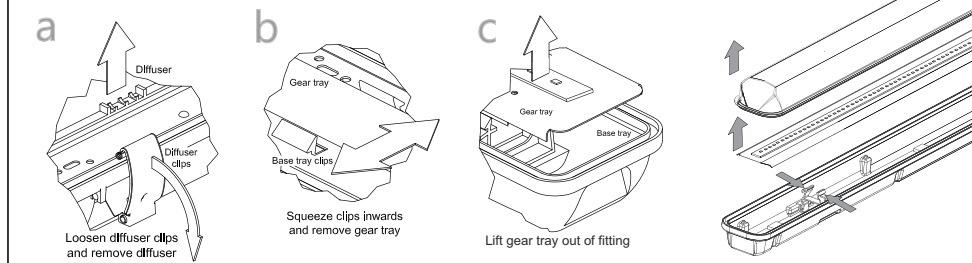
1. Due to ongoing Research and Development, specifications may change without notice.
2. Component specifications may change on some export models.
3. Refer to warranty statement for warranty details - www.enware.com.au/warranty.

INSTALLATION

Remove any packaging or clear protective materials before use.

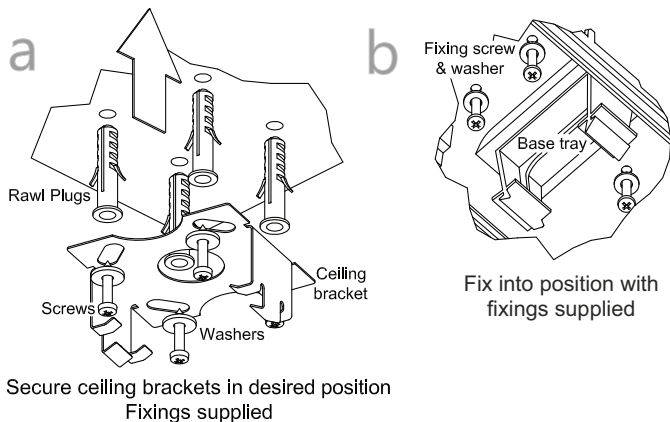
For emergency version check the battery leads, assemble LED and test switch to their positions before final installation.

1 Disassemble

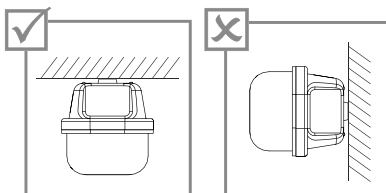


2 Mounting

1. Remove gear tray from body.
2. Install fast fit bracket to concrete surface using 5.0mm(max) screw fixings and secure the body to wall or ceiling surface.



This luminaire is IP65 rated, this rating only applies when the luminaire is mounted observing the correct orientation and must not be positioned in direct sunlight. In exterior applications luminaires must be protected under a canopy or cover. Housings are not suitable for mounting with the base directly on a vertical surface in the horizontal orientation.



WIRING INSTRUCTIONS

3. Suspend gear tray to body using lanyard to assist with wiring
Connect cable to terminal block on gear tray as below:

Mains Only Version

Connection:	Terminal:
Neutral	N
Earth	E
Active	A

Emergency Version

Connection:	Terminal:
Neutral	N
Earth	E
Active	A
Un-Switched Active	UA

NOTE : Non-Maintained Luminaries to be wired with Un-Switched Active only.

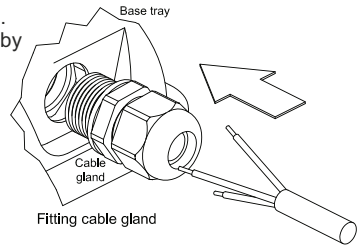
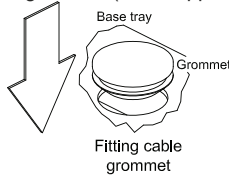
3

Wiring

Secure cable entry hole with plastic plug provided if not in use to ensure IP65 integrity.

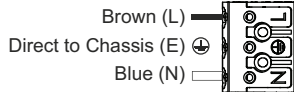
Through wiring can also be done neatly and cable is secured clear of ballast and lamp wires to ensure no EMC interference.

Feed mains cable into fitting.
Ensure IP rating is retained by fitting either cable gland or grommet (both supplied)



CLASS I WIRING DETAILS

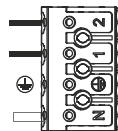
LUMINAIRE



MAINS SUPPLY

L - Brown or Red (Switched) Live
⊕ - Green/Yellow (Earth)
N - Blue (Neutral)

EMERGENCY



2 - (Switched) Live
1 - (Unswitched) Live
⊕ - Earth
N - Neutral

DALI Dimming: Where applicable a 2 way terminal is provided in the luminaire geartray.

Product suitable for looping with max conductor size 2 x 2.5mm²
Once complete follow the steps in section 1 in reverse order

DATE OF COMMISSIONING

Date to be filled in on the space provided, within the fitting, by either installer or commissioning engineer.

ROUTINE TESTING

Routine tests should be carried out in accordance with the Australian Standard AS2293 part 2. Batteries should be replaced when the rated duration is no longer achieved.

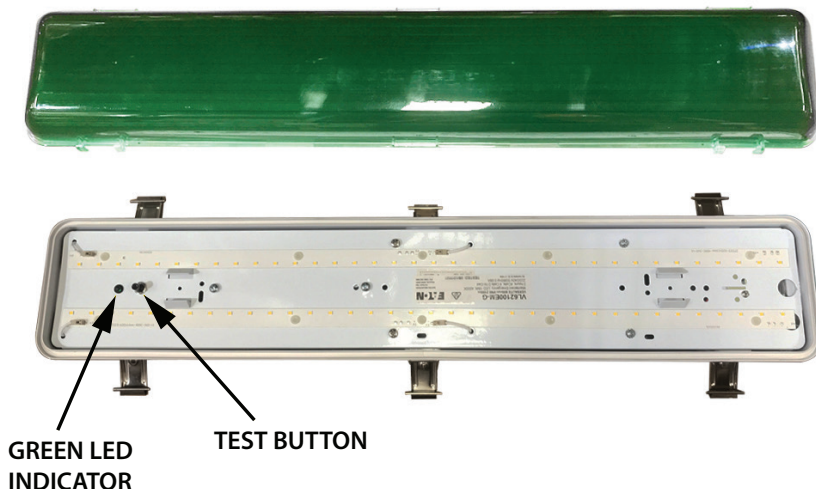
TESTING SELF CONTAINED (EMERGENCY) LUMINARIES

It is recommended that a full duration test be carried out prior to commissioning as follows
Connect the Un-Switched Active feed for 16 hours. This causes the GREEN LED indicator is lit showing that the internal batteries are charging, check that LED strip(s) is light up when Un-Switched and Active are turned ON.

Pressing the test button carries out a quick confidence test.

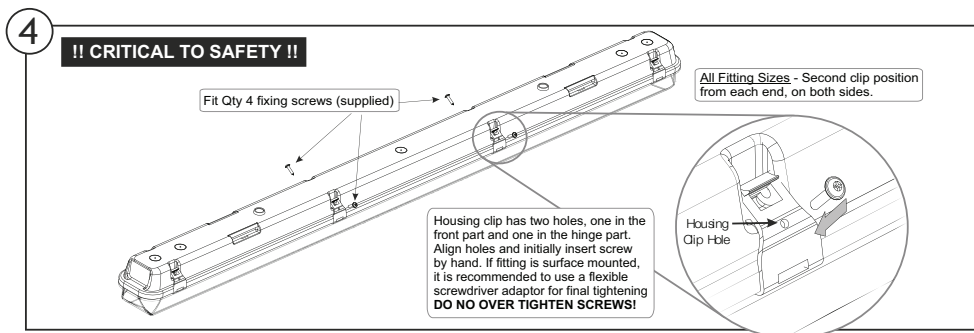
After 16 hours disconnect the supply (Un-Switched Active feeds) at source and check for the rated duration period.

NOTE: If charging LED is lit, the Mains supply is healthy and the battery is charging



4. Install gear tray, lamp(s).

Using the metal clip provided secure diffuser and check to ensure IP65 integrity.



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BATTERY REPLACEMENT

Performance of the luminaire is dependent on the use of the high temperature Nickel Cadmium batteries. To avoid damage to the luminaire, the battery must be replaced with the same Menvier battery pack. The model number is stamp on the battery pack label.

Warning:

When disposing of batteries do not pierce, incinerate or short circuit. Batteries contain cadmium and therefore should be disposed of in accordance with recognised disposal methods.

CLEANING

Enware products should be cleaned with a soft damp cloth using only mild liquid detergent or soap and water. Do not use cleaning agents containing a corrosive acid, scouring agent or solvent chemicals. Do not use cream cleaners, as they are abrasive. Use of unsuitable cleaning agents may damage the surface. Any damage caused in this way will not be covered by warranty.