



PEW Electrical  
Distributors

# LEDelite Pro50

Lift car lighting system

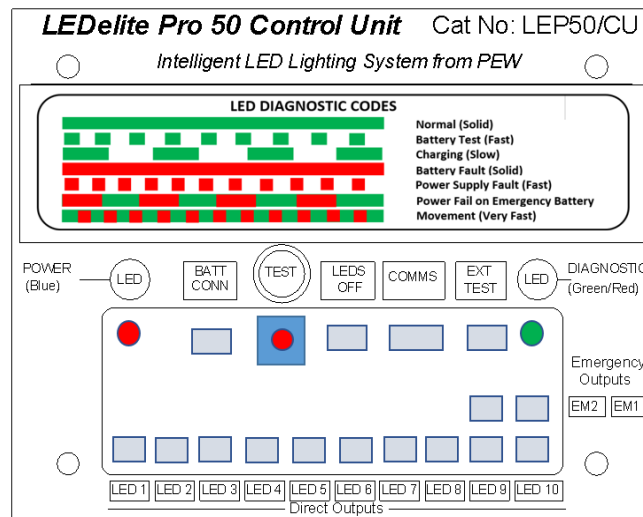
## Cabin Lights

## Installation Instructions

For trouble free operation of this unit and so as not to invalidate the manufacturer's warranty, the following installation and design guidelines must be followed.

**IMPORTANT: This unit must be installed by a competent person**

LED Light Fitting Installation \*\* Only fit LEP50 type LED lights to the LEDelite Pro 50 control unit (LEP50/CU) \*\*



The LEP50/CU control unit is fitted with 2 Emergency & 10 Normal LEDs - 12 in Total. LEDs EM1 & EM2 stay on during a power-off emergency.

The LED control unit should be installed in an area that is accessible for servicing and must not be located where the public may have access. This product is an electrical item, it must never be installed in an area which is subject to damp/water. This product is not ingress protected.

### Important!

For safety reasons the unit is dispatched with the battery disconnected, during installation the battery must be connected to the 'BATT CONN' plug and charged until the diagnostic LED is a steady green. When in storage, not currently used or being dispatched the battery plug 'BATT CONN' should be disconnected.

### Installing LEDs

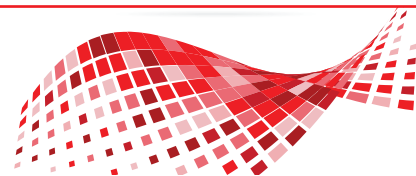
The LEDelite Pro50 can be installed with up to 12 x LEP50 LED lights. Plug the 2 Designated Emergency lights in positions EM1 & EM2 followed by the remaining required lights LED1 – LED10.

### Operation

During normal operation with mains present the BLUE power LED is lit, all lights will remain on – unless 'power saving' is active.

During mains failure the BLUE power LED is off. All Direct Outputs (1 -10) lights will go off and the lights connected to the Emergency Outputs EM1 & EM2 will remain on for a minimum of 1 hour.

On mains restoration – BLUE power LED in on. All Direct Outputs (1-10) lights will turn on and the Diagnostic LED will then flash green or steady green to indicate charging/charged status.





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The status of the LEDelite Pro 50 unit is indicated by the BLUE power LED & Diagnostic LED indicator (see label on control unit).

Refer to the fault-finding section below.

### Testing

- (1) AUTOMATIC periodic testing takes place and does not affect normal operation.
- (2) EMERGENCY LIGHT functional testing is available by (a) Test button on the unit or (b) Remote Test Lead – Order Code LEP50/RTL that allows remote testing from the lift car by means of a potential free normally open contact. The Normal Lights go OFF & Emergency lights (EM1 & EM2) are left powered by the battery to demonstrate correct functioning.

### LED Diagnostic Codes

- (1) LED indicator is constantly **Green** - Operating correctly and the battery is fully charged.
- (2) LED indicator is flashing fast **Green** automatic battery test is taking place.
- (3) LED indicator is flashing slow **Green** - Operating correctly and the battery is charging normally.
- (4) LED indicator is flashing **Red & Green** – and Blue Led is OFF, there is a Power Failure, and the unit is in emergency mode. Check mains power to unit, if mains power to unit is OK (Blue Led ON) contact PEW for assistance.
- (5) LED Indicator Constant **Red** – the Battery is low – charge for minimum period of 4 hours and if still **Red** contact PEW for assistance.
- (6) LED Indicator Flashing **Red** – Supply Fault, indicating power unit problem. Contact PEW for assistance.
- (7) LED indicator Flashing rapidly **Red/Green** indicates movement sensor activated.

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LEDs OFF Feature The 'LEDs OFF' feature allows the ALL lights to be turned off; use the appropriate lead - order code: LED/DS1 (wire ended) connected into the plug labelled 'LEDs Off'. Activate by closing contact from appropriate normally open switch or alternatively by using a LED/DS2 (high voltage) Disabling Lead that provides the same function, achieved by removing the normally present 230VAC.

Remote Test Feature Remote Emergency Test Lead order code LEP50/RTL is plugged into position 'EXT TEST', connected to a normally open contact (Key Switch) allows the functional testing of the emergency lights when the contact is closed, during which time the normal lights go off and emergency remain on.

Power Save Feature – Now Standard The Power Save feature uses a sensitive internal digital movement sensor that activates the Power Save timer, switching the lights off after a period of 5 minutes of no activity – thus saving power when the lift is not used and the battery during power outage.

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**Important!** - If your unit is within its warranty period and a fault occurs, please contact PEW immediately before proceeding. Unauthorised tampering with your unit may invalidate the warranty. For technical help with this product please [contact the PEW sales team on 0208 507 1001](tel:02085071001).

Technical notes: Please note that when disconnecting the mains power to the unit for a period of 30 minutes or more, the battery must be disconnected until the mains power is restored to the unit.

*Product guarantee: This product is guaranteed for a period of 1 year from date of purchase. The above guarantee will be invalid if the unit is not installed as per the installation instructions accompanying this unit or is modified in any way without the manufacturer's written consent. If the unit is removed and returned without the permission of the manufacturer, this will also invalidate the product guarantee.*

# LEDelite Pro50

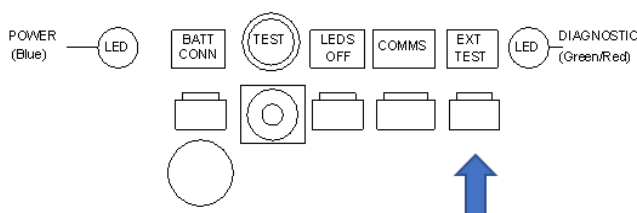
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## ACCESSORIES

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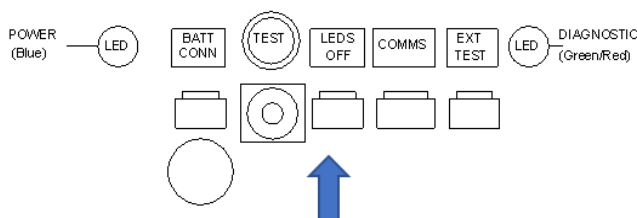
### LEP35/RTL Remote Emergency Test Lead

The **LEP50/RTL** Remote Emergency Test Lead is plugged into the plug position 'EXT TEST' with the Red & Blue wires at the other connected to the user contact, i.e. Key switch in the lift car. This switch applies a short circuit when operated testing the emergency lights whilst switching off the normal lights



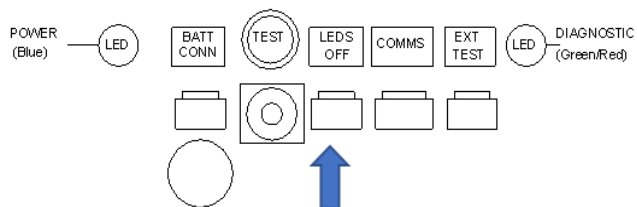
### LED/DS1 Disabling Lead Switch Contact

The **LED/DS1** is a 'disabling' lead, which is plugged into the plug position 'LEDS OFF' with the Red & Blue wires at the other connected to the user contact, i.e. Key switch in the lift car. This **switch contact** applies a short circuit when operated, switching ALL LEDS off.



### LED/DS2 High Voltage Disabling Lead

The **LED/DS2** is a 'disabling' lead & module, which is plugged into the plug position 'LEDS Off' whilst the Red & Blue wires at the other end is connected to the 'switched' Live & Neutral. When the 'switched' live is removed the relay in the module releases, causing the LEDS to switch off.



### LEP50/2EL 2m Extension Lead for LED Lights

The **LEP50/2EL** is a 2-meter extension lead for LEP50 series LED lights