

## INSTALLATION / WARRANTY INSTRUCTIONS

PRODUCT BRAND: PIERLITE

PRODUCT NAME: BLADE PRO EXIT SIGN

PRODUCT CODE: BLADEPROWH/BLADEPROBK/BLADEPROWHDA/BLADEPROBKDA

Issue Date: 26<sup>th</sup> March 2024

Please read these installation instructions carefully before installing or maintaining this equipment. The product is designed for installation and maintenance in accordance with relevant Australian standards (AS/NZ3000), by an authorised and licensed electrician. The installation instructions were correct at the time of print. To reflect changes in technology and Australian and New Zealand standards; Pierlite reserves the right to amend the instructions without notice. Updated guidelines can be found on relevant brand web site.








### 1. PRODUCT SPECIFICATION:

Product code	BLADEPROWH	BLADEPROBK	BLADEPROWHDA	BLADEPROBKDA
Type of Protection	Class II			
Body Material	Polycarbonate			
Nominal Voltage	220-240Vac			
Nominal Freq. (Hz)	50Hz			
Finish	White: RAL9003, Black: RAL9005			
Wattage (Max)	3.5W	3.5W	5.5W	5.5W
Line Current	0.03A	0.03A	0.05A	0.05A
Power factor	0.45	0.45	0.45	0.45
Load peak inrush current	7.12A/15.13µs		6.88A/1.65µs	
Surge protection rating	L/N: 500V		L/N: 500V	
Earth leakage	≤ 0.7		≤ 0.7	
Rated operating ambient temperature	40 degree Celsius			
LED Lifetime	Rated >60,000 hours (L70/B50)			
IP Rating	IP20			
LED control gear	Non-dimmable		DALI-2	
Available in emergency	Yes		Yes, DALI and self-testing if not to connected to DALI	
Suitable for direct mounting on flammable surfaces	YES			
Installation type	Surface Mount/Side Mount/Recessed Mount/Wall Mount/Suspended Mount/Rod Mount			
Designed application	Interior commercial			
Electrical connection	Direct to 6mm <sup>2</sup> terminal block			
Dimensions	Refer to Section 5			
Net Weight	Refer to Section 5			
Warranty years	5 years			
Certification	AS/NZS 2293, AS/NZS 60598.2.22			

## 2. CONSUMABLES

Description	QTY Required Per Fitting	Brand	Component Part Number	Dimensions (mm)
3 hour Lithium Iron Phosphate (LiFePO4)	1	Pierlite	DGLCEM3200/2L12	∅26.5 x L134
2 hour Lithium Iron Phosphate (LiFePO4)	1	Pierlite	DGLCEM3200/1L11	∅26.5 x L67

## 3. ACCESSORIES

Description	QTY Required Per Fitting	Brand	Accessory Order Code	Photo
Cantilever mount bracket	1	Pierlite	White: BLADEPROBKTWH Black: BLADEPROBKTBK (Sold separately)	
Wall Mount bracket	1	Pierlite		
Rod Mount Kit (Rod not included)	1	Pierlite	White: BLADEPROSUSKITWH Black: BLADEPROSUSKITBK (Sold separately)	
Wire Suspended Kit (Chain not included)	1	Pierlite		
Recessed Mount Kit	1	Pierlite	Included	

## 4. SERVICE & OPERATION (EMERGENCY VERSION)

Normal Operation: Maintained Emergency Operation.

Battery: Sealed **Lithium Iron Phosphate (LiFePO4)** rechargeable battery pack. As per AS/NZS 2293, it is required that the battery pack is discharged and recharged at least once every 6 months.

In case of a replacement, same brand and type of battery pack must be used. Allow 24 hours charging time before carrying out any discharge tests.

Charge Duration: 16 Hours

Discharge Duration: M2 = 2 Hours for standard emergency or M4 = 4 hours for rail/heavy industry emergency (Initial Test)

Test Switch: If manual test switch pressed, the fixture will operate from its battery supply.

Please ensure battery plug is connected to the inverter battery terminal.

Emergency Classification:

BLADEPROWH: C0/C180: D40; C90/C270: D63

BLADEPROBK: C0/C180: D32; C90/C270: D50

BLADEPROWHDA: C0/C180: D32; C90/C270: D63

BLADEPROBKDA: C0/C180: D32; C90/C270: D50

**Test Operation:**

**While connecting DALI bus:**

A 5 second Function test is carried out at 28 days interval.

A 90-minute Duration test is carried out automatically at 26 weeks interval.

**Self-Test Mode:** The Emergency conversion module will run in self-test mode if it is not connected to DALI.

In this mode, a Commissioning Test will be run after 48 hours of continuous power. This consists of a duration test to test the system and will run for the full 120 minutes. The results will be displayed on the status indicator for 7 days after this test completes. From that point forward the unit will run a 5 second function test every 28 days and a 90-minute. Duration Test every 26 weeks. If the battery is replaced, then the unit will automatically run another commissioning test after 48 hours.

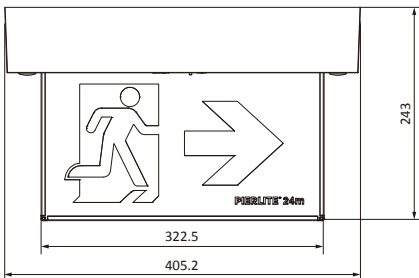
#### STATUS of LED indicator

Indicator Colour	Definition	Explanation
Green solid	Device is ok	Device is working well, the wireless is connected
Green fast flash (0.1s on, 0.1s off)	Function test in progress	AC power is present, function test in progress
Green slow flash (1s on, 1s off)	Duration test in progress	AC power is present, discharge test in progress
Green alternate flash (0.1s on, 0.1s off, 0.1s on, 1s off)	Inhibit mode	Switching into inhibit mode via controller
Green very slow flash (4s on, 4s off)	Automatic duration test passed	AC power is present, automatic discharge test has completed within the last 7 days and was OK
Red solid	Emergency LED fault	Emergency LED is open circuit, short circuit or has otherwise failed in some way. Fault can indicate the live status or the result of a test;
Red slow flash (1s on, 1s off)	Battery fault	Battery failure(battery failed the duration or function test, battery appears defective, battery has incorrect voltage). Fault can indicate the live status or the result of a test;
Red fast flash (0.1s on, 0.1s off)	LED driver fault	Unit unable to deliver current to emergency LED. fault can indicate the live status or the result of a test;
Red/green alternating	Identifiable code	The indicators flash 8 times to display the number of Wireless devices. Red means 0, green means 1
Red & Green off	No power available	Rest mode; Emergency mode; Extended emergency mode

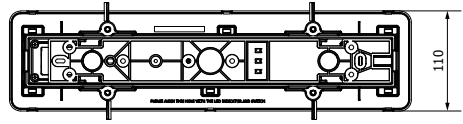
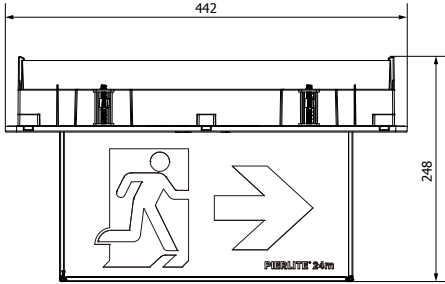
#### 5. LINE DIAGRAMS AND DIMENSIONS

Item code	Length (mm)	Width (mm)	Height (mm)	Weight in (kg)
BLADE PRO (surface mount)	405.2	55.2	243	1.5
BLADE PRO (recessed mount)	442	110	248	1.6

#### Surface Mount:



#### Recessed Mount:



**6. DALI CONTROL GEAR:** The LED driver and emergency control gear are both controllable through the DALI RAPIX system. A DALI connection is not required in a non-systemized electrical system. If DALI is not required do not connect it.

**Note:** When designing the DALI system please refer to the table below for the number of DALI addresses.

Control gear	Function	Number of Addresses
Emergency Inverter	Testing & Reporting	1

**7. INSTALLATION / GENERAL:** Installation of the product is to be completed by an authorized and licensed electrician, in accordance with these instructions, relevant Australia standards and local regulations (where applicable). Termination of product wiring, together with the installation of the product must be in a manner and orientation that maintains the integrity of the designated IP rating of the product for electronic control equipment (when supplied) DO NOT MEGGER between A and N.

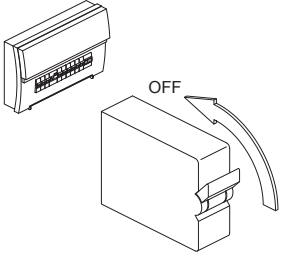
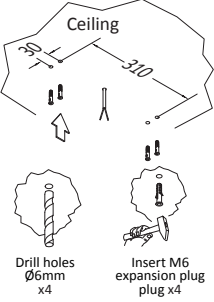
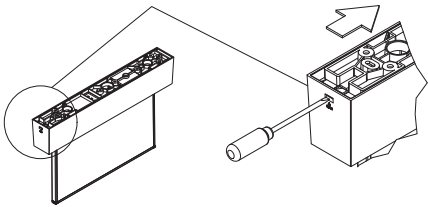
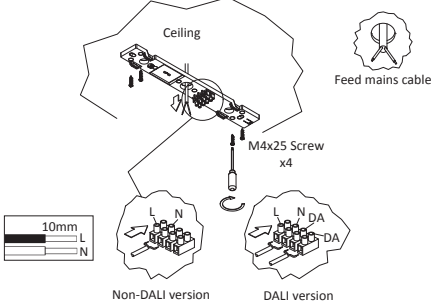
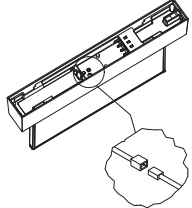
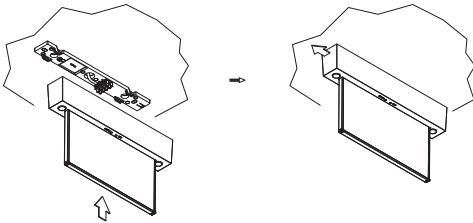
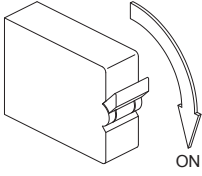
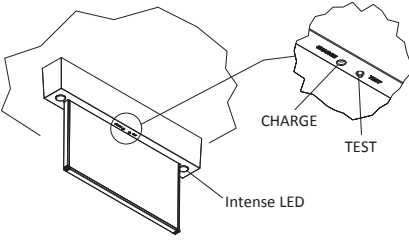
**Warning:** The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Please ensure battery plug is connected to the inverter battery terminal. Failed connecting the battery packs may breach the warranty terms of Pierlite.

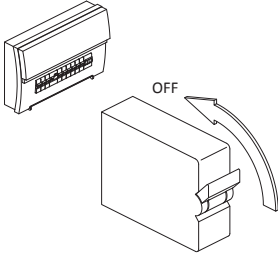
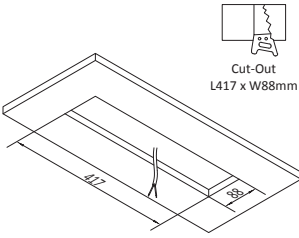
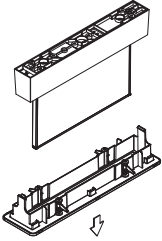
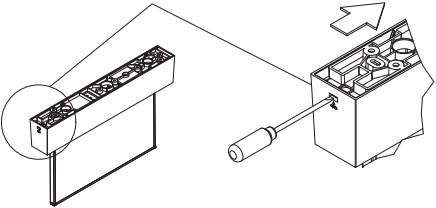
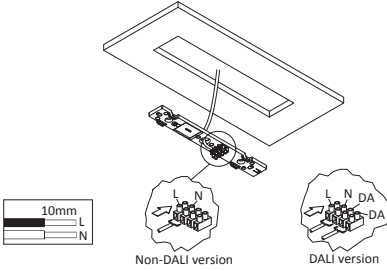
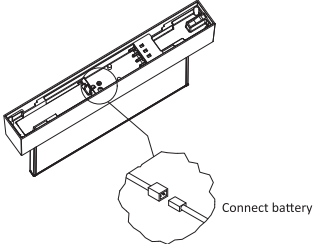
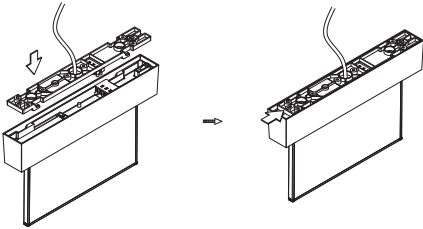
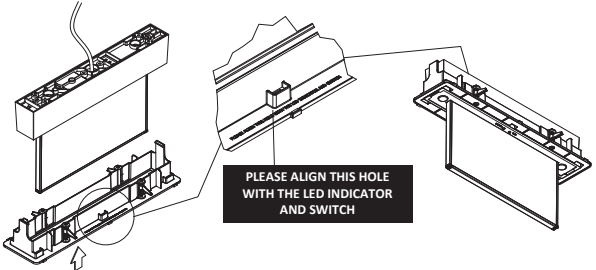
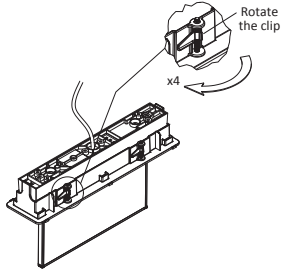
**Warning:** All maintenance, such as battery change on this luminaire is to be changed by qualified personnel only. De-energeise all supplies before maintenance.

#### Installation Instructions

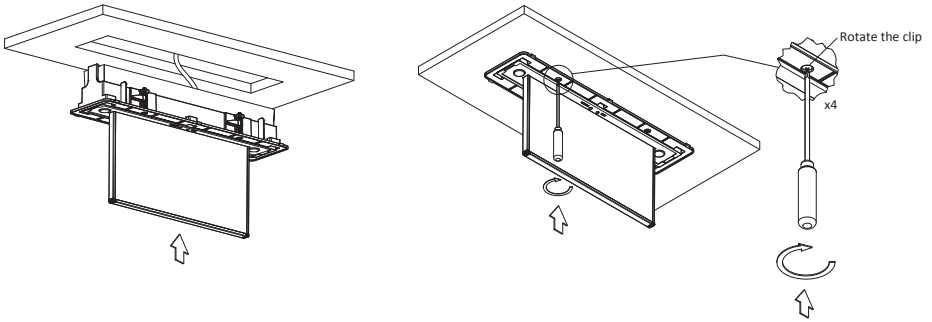
**Surface mounting installation instructions**

 <p><b>Step 1:</b> Always switch off the mains supply before installation or servicing.</p>	 <p><b>Step 2:</b> Drill 4 x Ø6mm holes on the ceiling as per above distance, insert 4 x M6 expansion sockets.</p>
 <p><b>Step 3:</b> Take off back plate by using flat head screwdriver.</p>	 <p><b>Step 4:</b> Pull the cable through and connect to the terminal block firmly. Then mount the back plate to the ceiling.</p>
 <p><b>Step 5:</b> Plug in the battery connector.</p>	 <p><b>Step 6:</b> Push the body to the mounted back plate and slide in firmly.</p>
 <p><b>Step 7:</b> Restore mains power.</p>	

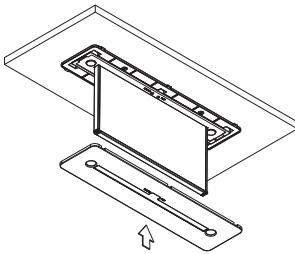
**Recessed mounting installation structions**

 <p><b>Step 1:</b> Always switch off the mains supply before installation or servicing.</p>	 <p><b>Step 2:</b> Cut a L417 x W 88mm hole on the ceiling.</p>	 <p><b>Step 3:</b> Take off the recess mount bracket.</p>
 <p><b>Step 4:</b> Take off the back plat by using a flat head screwdriver.</p>	 <p><b>Step 5:</b> Pull the cable through and wire to the terminal block firmly.</p>	
 <p><b>Step 6:</b> Plug in battery connector.</p>	 <p><b>Step 7:</b> Slide the body into the wired back plate firmly.</p>	
 <p><b>Step 8:</b> Push the recess mount bracket up to the body and be aware of the indicator and test switch, make sure they are lined up with the cut out on the recess mount bracket.</p>	 <p><b>Step 9:</b> Flip the mounting clips towards to the body.</p>	

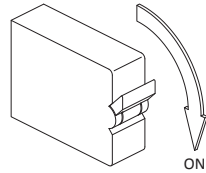
**Recessed mounting installation instructions**



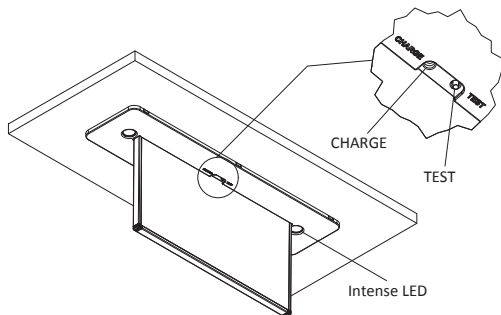
**Step 10:** Insert the whole luminaire into the hole, fasten 4 screws clockwise until the luminaire is fixed to the ceiling firmly.



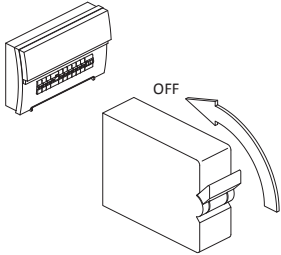
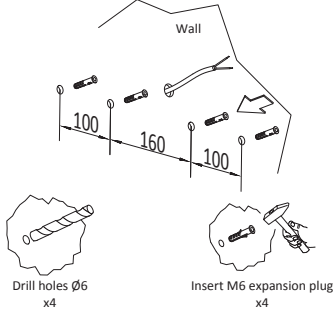
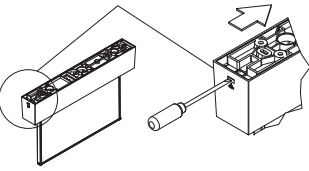
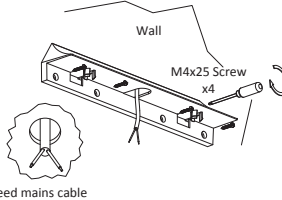
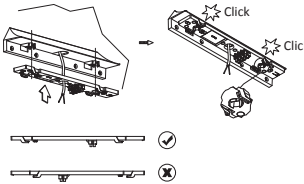
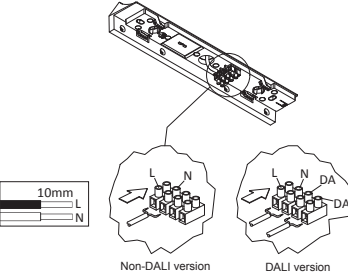
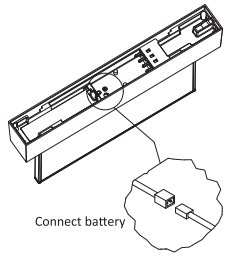
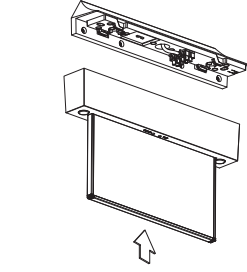
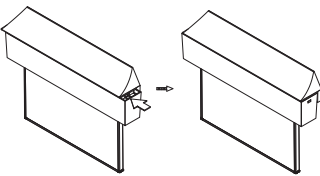
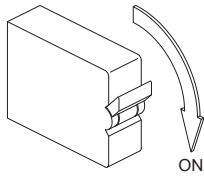
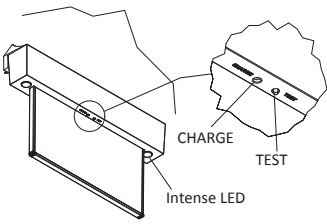
**Step 11:** Click on the decorative frame and make sure the test switch and the indicator fit into the gap on the frame.



**Step 12:** Restore mains power.

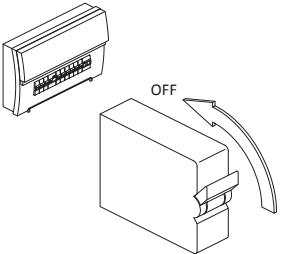
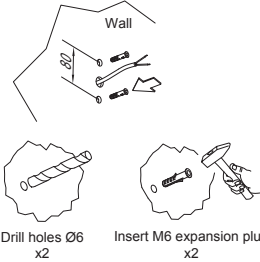
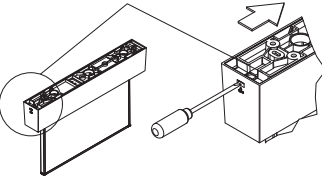
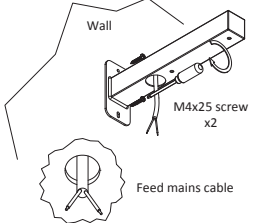
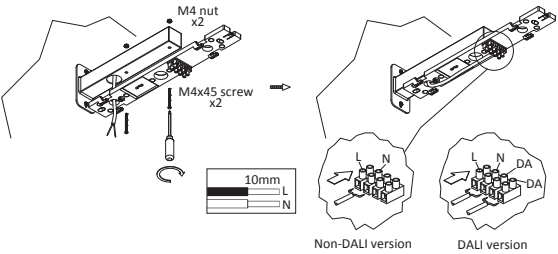
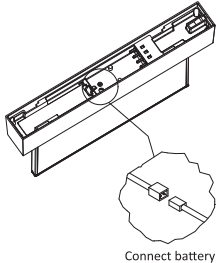
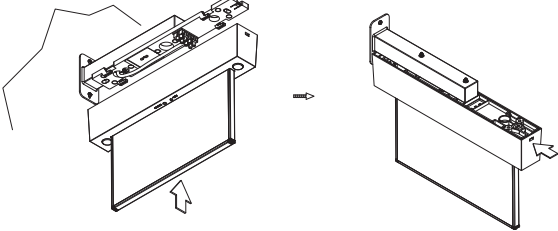
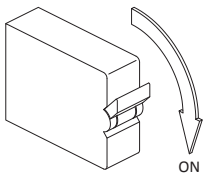
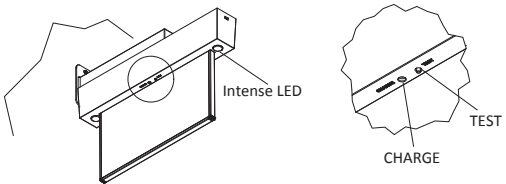


**Wall mounting installation instructions**

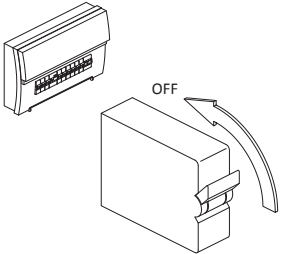
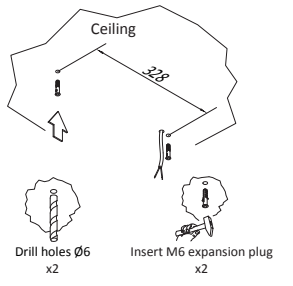
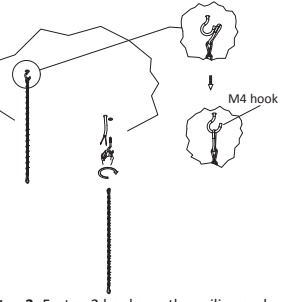
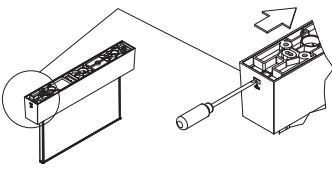
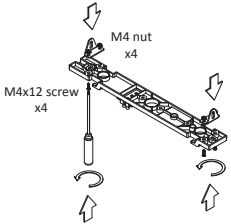
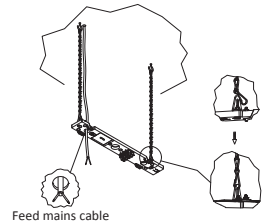
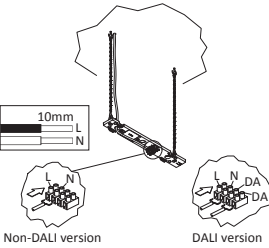
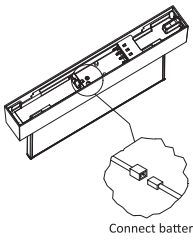
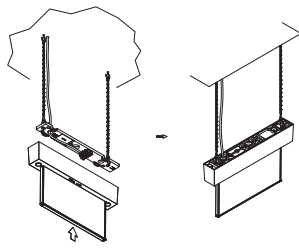
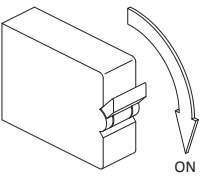
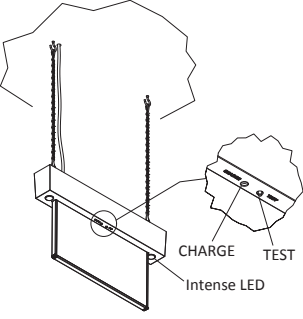
 <p><b>Step 1:</b> Always switch off the mains supply before installation or servicing.</p>	 <p><b>Step 2:</b> Drill 4 x <math>\varnothing 6</math>mm holes on the wall and insert 4 x M6 expansion sockets.</p>	
 <p><b>Step 3:</b> Take off the back plate by using a flat head screwdriver.</p>	 <p><b>Step 4:</b> Pull the cable through the wall mount bracket and fix the wall mount bracket to the wall firmly.</p>	 <p><b>Step 5:</b> Pull the cable through the back plate, and click the back plate onto the wall mount bracket firmly.</p>
 <p><b>Step 6:</b> Wire the cable to the terminal block firmly.</p>	 <p><b>Step 7:</b> Plug in battery connector.</p>	 <p><b>Step 8:</b> Slide the body into the wired back plate firmly, make sure the indicator and test switch are facing out.</p>
 <p><b>Step 9:</b> Slide the body into the wired back plate firmly, make sure the indicator and test switch are facing out.</p>	 <p><b>Step 10:</b> Restore mains power.</p>	 <p>CHARGE TEST Intense LED</p>



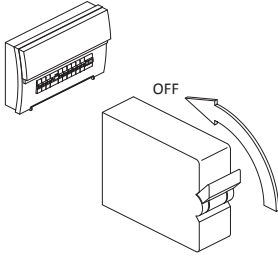
**Side mounting installation instructions**

 <p><b>Step 1:</b> Always switch off the mains supply before installation or servicing.</p>	 <p><b>Step 2:</b> Drill 2 x <math>\varnothing 6</math>mm holes on the wall as per above distance, insert 2 x M6 expansion sockets.</p>	 <p><b>Step 3:</b> Take off the back plate by using a flat head screwdriver.</p>
 <p><b>Step 4:</b> Pull the cable through the side bracket and mount it on the wall.</p>	 <p><b>Step 5:</b> Pull the cable through the back plate, fix the back plate to the side bracket, and wire the terminal block firmly.</p>	
 <p><b>Step 6:</b> Plug in battery connector.</p>	 <p><b>Step 7:</b> Slide the body into the wired back plate firmly.</p>	
 <p><b>Step 8:</b> Restore mains power.</p>	 <p><b>Step 9:</b> Press the TEST button. The CHARGE indicator will light up, and the Intense LED will be visible.</p>	

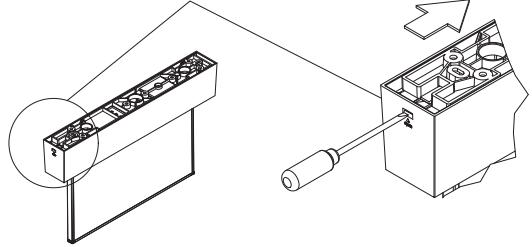
**Suspension mounting installation instructions**

 <p><b>Step 1:</b> Always switch off the mains supply before installation or servicing.</p>	 <p><b>Step 2:</b> Drill 2 x <math>\varnothing 6</math>mm holes on the ceiling as per above distance, insert 2 x M6 expansion plugs.</p>	 <p><b>Step 3:</b> Fasten 2 hooks on the ceiling and hang the suspension chains.</p>
 <p><b>Step 4:</b> Take off the back plate by using a flat head screwdriver.</p>	 <p><b>Step 5:</b> Install 2 x suspension brackets on the outside of back plate.</p>	 <p><b>Step 6:</b> Clip the suspension chains on the suspension brackets and put the cable through the side hole.</p>
 <p><b>Step 7:</b> Wire the cable to the terminal block firmly.</p>	 <p><b>Step 8:</b> Plug in battery connector.</p>	 <p><b>Step 9:</b> Slide the body into the wired back plate firmly.</p>
 <p><b>Step 10:</b> Restore mains power.</p>	 <p>CHARGE TEST Intense LED</p>	

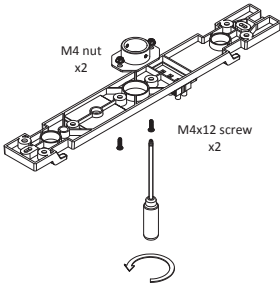
**Rod mounting installation structions**



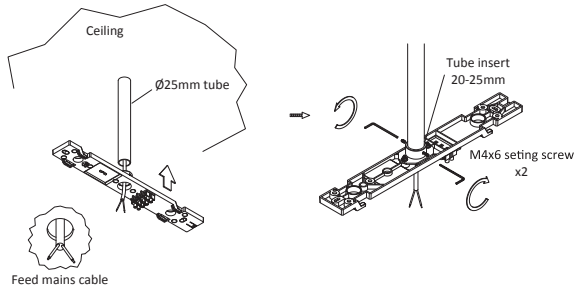
**Step 1:** Always switch off the mains supply before installation or servicing.



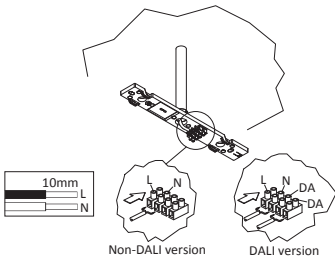
**Step 2:** Take off the back plate by using a flat head screwdriver.



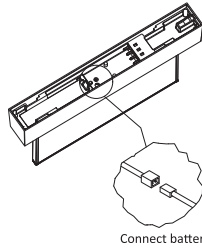
**Step 3:** Install the rod mount kits onto the back plate.



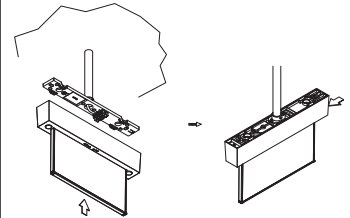
**Step 4:** Pull the cable through the back plate and fix the back plate to the rod firmly.



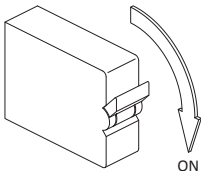
**Step 5:** Wire the cable to the terminal block firmly.



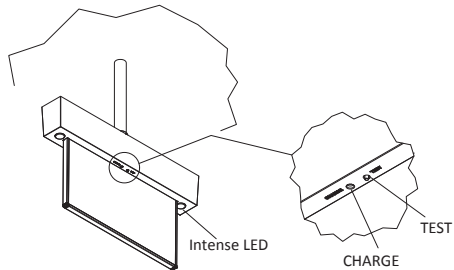
**Step 6:** Plug in battery connector.



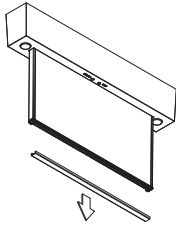
**Step 7:** Slide the body into the wired back plate firmly.



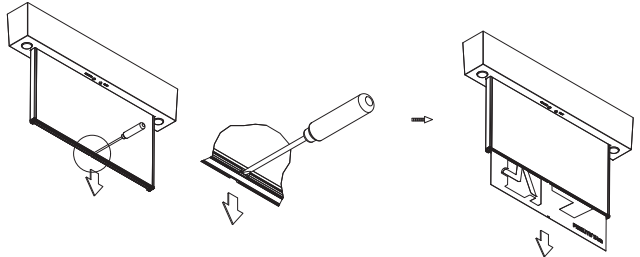
**Step 8:** Restore mains power.



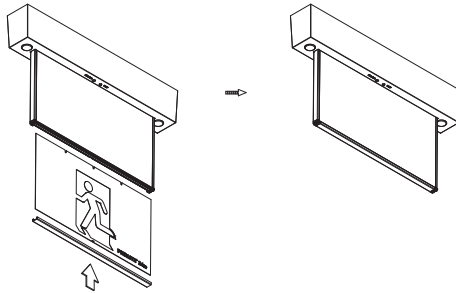
### Pictogram Replacement



**Step 1:** Take off the bottom frame.



**Step 2:** Remove the unwanted pictogram. There is a cutting slot on the bottom of pictogram, using flat head screw driver if required.



**Step 3:** Insert the suitable pictogram and push the bottom frame back until it click on.

**8. IMPORTANT** - the product must be maintained and operated in accordance with the manufacturer's instructions, failure to do so may damage the product and services. It is strongly recommended that this important note be communicated to the owner and/or operator of the installation at the time of site commissioning. Good practice does not recommend the 24/7 use of products without the application of suitable switch cycle intervals. Furthermore, with the omission of nominated survival curves and/or recommended operating hours, product design expectations provide for a continual daily usage of 6 hours for residential applications and a continual daily usage of 12 hours for commercial and industrial applications. All products must be thoroughly cleaned on a regular basis at intervals that reflect in the installation environment, ensuring the optical performance, together with the electrical, mechanical, and structural integrity as designed, is maintained throughout the service life of the product.

**9. APPROVALS:** The RCM marking of this product applies to AS/NZS CISPR15 (EMC) "Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment".  
This product is designed to conform to AS/NZS60598 "Luminaires, general requirements and tests".



**10. STORAGE:** Prior to installation products are to be stored in cool and dry conditions.

**11. APPLICATION:** The installation application and orientation of the product is designed in accordance with the nominated product IP rating, class designation and these installation installations. Installation environments outside these conditions are not recommended.

#### **12. MAINTENANCE:**

(a) The supply must be isolated before opening or accessing the luminaire. Product maintenance is **IMPORTANT** and is critical to the products designed performance. The product is to be maintained in accordance with the manufacturer's instructions. For the latest product maintenance guides please go to relevant brand web site. Pierlite is not responsible for any product not maintained in accordance with the recommended procedure or intervals.

(b) **Lamps (where provided):** The product is designed with the supplied (LEDs) / LAMP/s and it is strongly recommended that any LAMP / (LEDs) changes (if any) be made in accordance with the type, colour and brand supplied. For recommended LAMP / LED maintenance or operating guides (inclusive of recommended product switch cycles and mandatory run-in procedures for HID and Fluorescent lamps when used with dimming circuits), Pierlite recommends the application of the lamp manufacturer's operating guidelines, which can be found on manufacturer's website. Pierlite is not responsible for the product performance of alternative lamp/s used. As a member of FluroCycle, we encourage recycling of lamps and components.

(c) **Battery (where provided):** The battery is designed with a rated average battery design life in standby mode, and is supported with a standard warranty (refer to product specifications for details); conditional of the product being maintained and operated in accordance with the manufacturer's guidelines and tested in accordance with AS/NZS2293. For guidelines see product installation instructions or visit the relevant brand web site.

(d) **For products supplied with glass visors or covers,** do not operate the product with a damaged visor or cover; it is recommended the product be turned off, area surrounding the product vacated, and the damaged glass replaced by a professional installer immediately.

(e) **Cables or cords (where provided):** If any external cable or cord of the X or Y type luminaire is damaged, it shall be replaced by a qualified person or manufacturer's service agent.

For Z type attachments to luminaire, cord cannot be replaced if damaged, the luminaire shall be removed from service.

##### Flex cord types

- X: Specially prepared flexible cable or cord, may also include a part of the luminaire and only available from manufacturer.
- Y: Attachment may be used with either an ordinary or special flexible cable/cord.
- Z: Attachment of cable/cord that cannot be replaced without damage to luminaire

**13. WARRANTY INSTRUCTIONS:** For purpose of warranty claims (if any) the following instructions apply:

**Warranty period** - The above components are provided with a warranty (refer to product specifications for details) against manufacturing defects or failure to perform to specifications for products installed by an authorised installer in accordance with the manufacturer's installation instructions and which have not been subject to incorrect operation or maintenance, unauthorised modification or damage arising from any intervening cause.

**Warranty reference** - The warranty reference date commences from the date of purchase.

**Warranty point of contact** - Pierlite, 96 Gow Street Padstow NSW 2211, phone T 1300 799 300 - Pierlite After Sales Support.

**Warranty claim procedure** - For the purpose of making a claim the customer must:

1. Contact the "point of contact" above and upon provision of proof of purchase the customer will receive a goods return advice (GRA) number. 2. At the customer's expense, collect and return the goods to the "point of contact" with the issued GRA number.
3. Upon receipt of the goods, Pierlite will review the claim and if found to be accepted, Pierlite will return a replacement product to the customer to install at the customer's expense. Alternatively, if the claim is rejected, the customer may request the return of the goods at their expense.

**Consumer Contracts** - The benefits to the customer given by the Pierlite warranty are in addition to other rights and remedies of the customer if the goods are the subject of a Consumer Contract under the Australian Consumer Law. In that event the following statement is required to be brought to the Consumer's attention: - *Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.*

**Limitation of Liability** – if the goods are not purchased by the customer under a Consumer Contract within the Australian Consumer Law then but not otherwise;- (a) the Company is not liable in tort for any loss or damage suffered by the customer or by any third party; and (b) in no circumstances is Pierlite liable to the customer or to any third party for any loss of profits, loss of anticipated savings, economic loss or interruption of business or for any indirect or consequential loss (Consequential Loss).

**Terms of Sale** – these warranty provisions are in substitution for any inconsistent provisions in the Pierlite Terms and Conditions of Sale in so far as they apply to the warranty components.