

INSTALLATION / WARRANTY INSTRUCTIONS

PRODUCT BRAND: PIERLITE

PRODUCT NAME: BLADE ECO EXIT SIGN

PRODUCT CODE: BLADEECOWH/BLADEECOBK

Issue Date: 30th January 2026

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	BLADEECOWH/BLADEECOBK
Type of Protection	Class II
Body Material	Polycarbonate
Nominal Voltage	220-240Vac
Nominal Freq. (Hz)	50Hz
Finish	White:RAL9003, Black: RAL9005
Wattage (Max)	3W
Line Current	34mA
Power factor	0.34
Load peak inrush current	5.68A/17μs
Surge protection rating	L/N: 1000V
Earth leakage	≤ 0.7mA
Rated operating ambient temperature	-0 - +40 degree Celsius
LED Lifetime	Rated >54,000 hours (L70/B50)
IP Rating	IP20
LED control gear	Non-dimmable
Available in emergency	Yes
Suitable for direct mounting on flammable surfaces	YES
Installation type	Surface Mount/Recessed Mount/Wall Mount/Suspended Mount/Rod Mount
Designed application	Interior
Electrical connection	Direct to PA16 terminal block
Dimensions	Refer to Section 4
Net Weight	Refer to Section 4
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)
2 hour Lithium Iron Phosphate (LiFePO4)	1	Pierlite	DGLCEM1500/1L11	Ø21 x L67

3. ACCESSORIES

Description	QTY Required Per Fitting	Brand	Accessory Order Code	Photo
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:

BLADEECOWH: C0/C180: D4 & C90/C270: D1.25

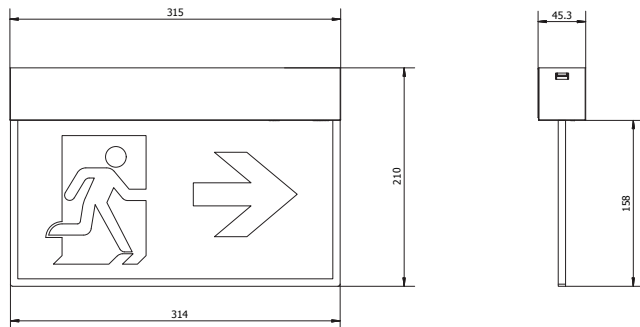
STATUS of LED indicator

Indicator Colour	Definition	Explanation
Green solid	Device is ok	Device is working well, the wireless is connected
Red solid	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;

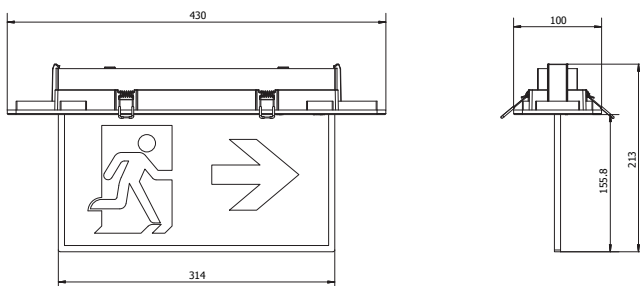
5. LINE DIAGRAMS AND DIMENSIONS

Item code	Length (mm)	Width (mm)	Height (mm)	Weight in (kg)
BLADE ECO (surface mount)	315	45.3	210	0.55
BLADE ECO (recessed mount)	430	100	213	0.73

Surface Mount:



Recessed Mount:



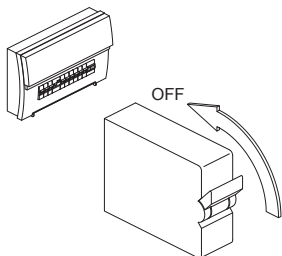
7. INSTALLATION / GENERAL: Installation of the product is to be completed by an authorized and licensed electrician, in accordance with these instructions, relevant Australia standards and local regulations (where applicable). Termination of product wiring, together with the installation of the product 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.

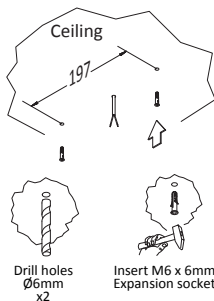
Please ensure battery plug is connected to the inverter battery terminal. Failed connecting the battery packs may breach the warranty terms of Pierlite.

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

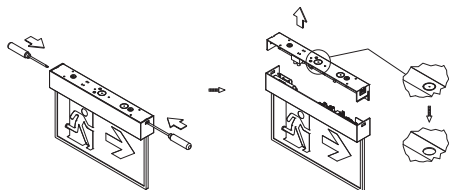
Surface mounting installation instructions



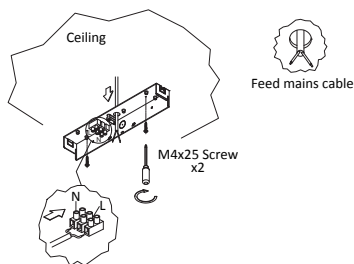
Step 1: Always switch off the mains supply before installation or servicing.



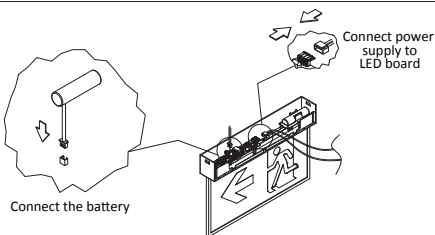
Step 2: Drill two Ø6mm holes in the ceiling as shown and insert M6 x 6mm expansion sockets.



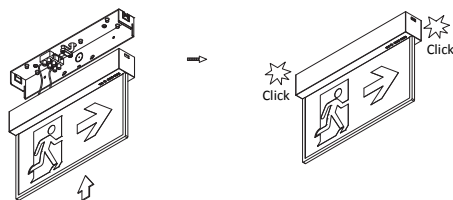
Step 3: Pry the mounting plate off the luminaire with a flat-blade screwdriver.



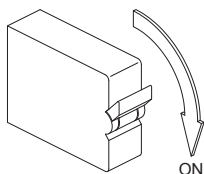
Step 4: Drill a Ø20 mm hole in the mounting plate and feed the supply cable through. Fix the mounting plate to the ceiling. Connect the supply cable to the terminal block.



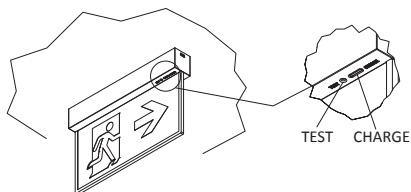
Step 5: Join the power connector; plug the battery lead into the inverter.



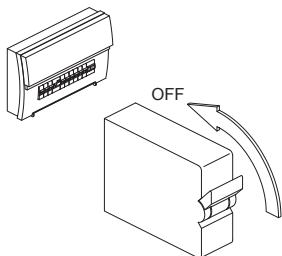
Step 6: Mount the luminaire body onto the mounting plate.



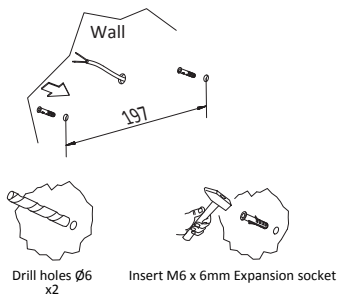
Step 7: Restore mains power.



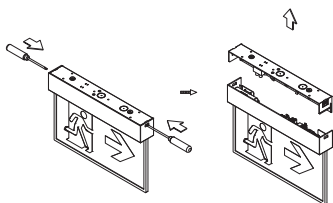
Wall mounting installation structions



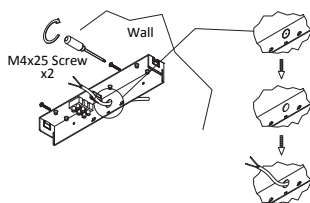
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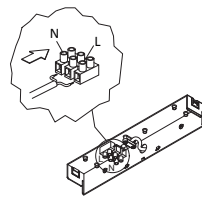
Step 2: Drill two Ø6mm holes in the wall as shown and insert M6 x 6mm expansion sockets.



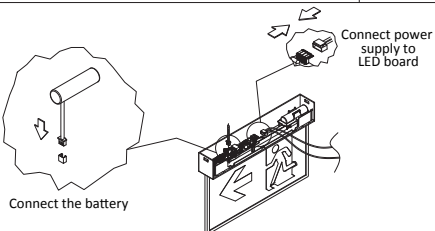
Step 3: Pry the mounting plate off the luminaire with a flat-blade screwdriver.



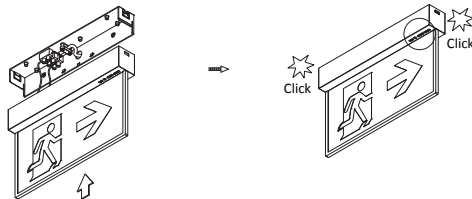
Step 4: Drill a Ø20 mm hole in the mounting plate and feed the supply cable through. Fix the mounting plate to the wall.



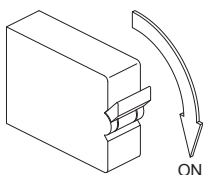
Step 5: Connect the supply cable to the terminal block.



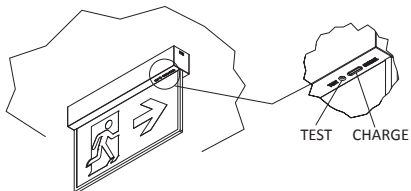
Step 6: Join the power connector; plug the battery lead into the inverter.



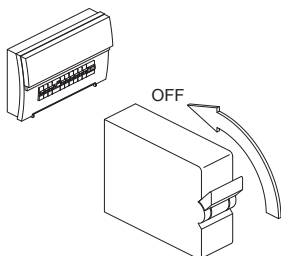
Step 7: Mount the luminaire body onto the mounting plate.



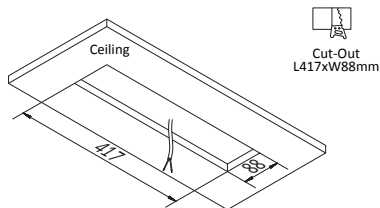
Step 8: Restore mains power.



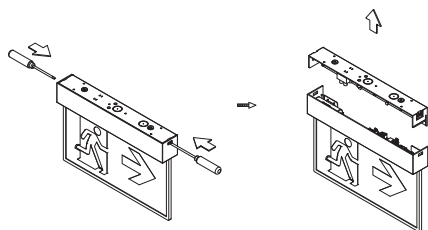
Recessed mounting installation structions



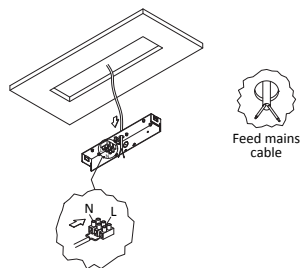
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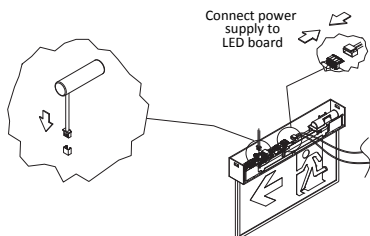
Step 2: Cut a 417mm x 88mm opening in the ceiling as shown.



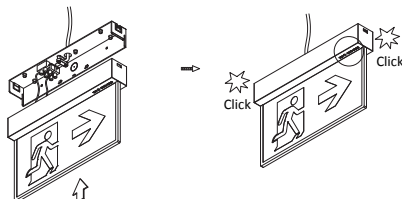
Step 3: Pry the mounting plate off the luminaire with a flat-blade screwdriver.



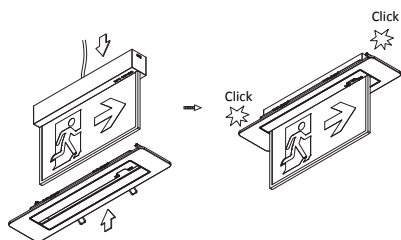
Step 4: Drill a Ø20mm hole in the mounting plate and feed the supply cable through.



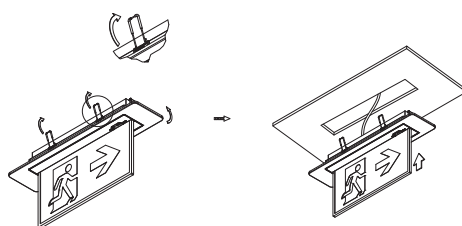
Step 5: Connect the supply cable to the terminal block.



Step 6: Join the power connector; plug the battery lead into the inverter.

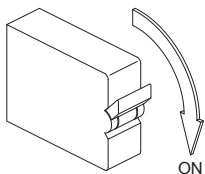


Step 7: Assemble the luminaire body and recessed plate together.

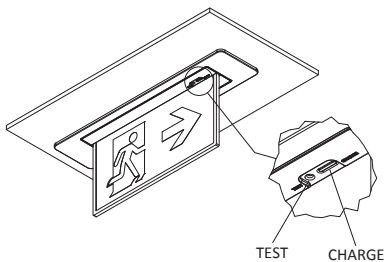


Step 8: Insert the complete unit into the recessed opening and secure it to the ceiling.

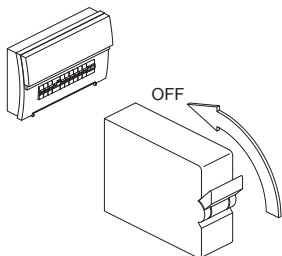
Recessed mounting installation structions



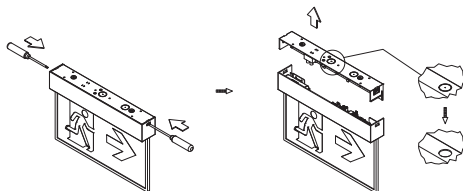
Step 9: Restore mains power.



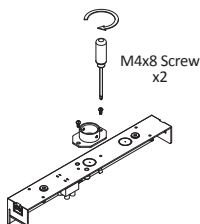
Rod mounting installation structions



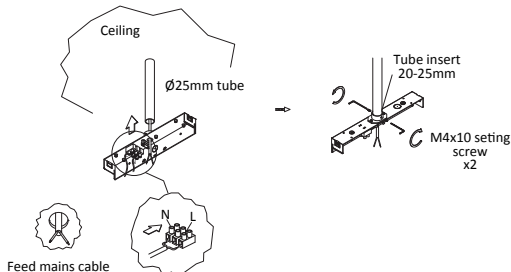
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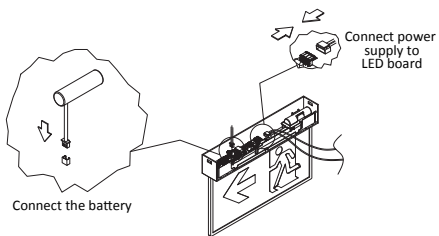
Step 2: Pry the mounting plate off the luminaire with a flat-blade screwdriver. Drill a Ø20mm hole in the mounting plate.



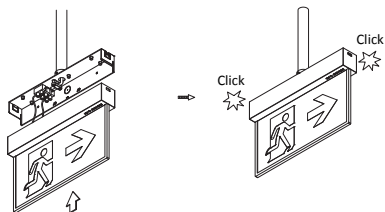
Step 3: Fix the rod-mount kit to the mounting plate as shown.



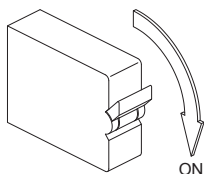
Step 4: Feed the supply cable through the plate and connect it to the terminal block. Attach the mounting plate to the suspension rod.



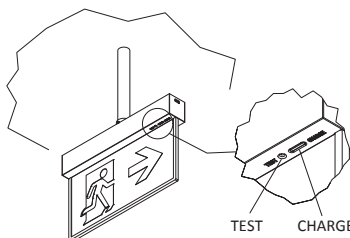
Step 5: Join the power connector; plug the battery lead into the inverter.



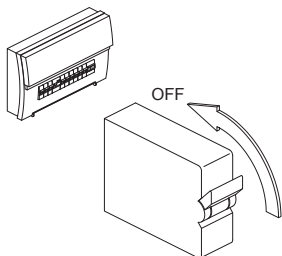
Step 6: Mount the luminaire body onto the mounting plate.



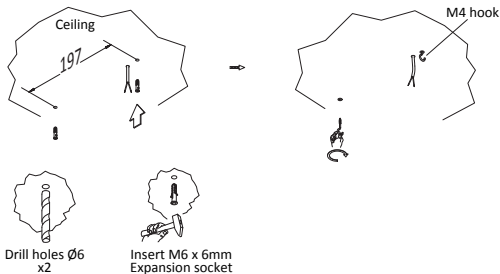
Step 7: Restore mains power.



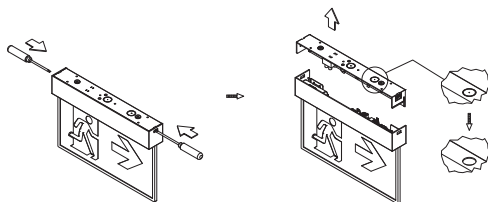
Suspension mounting installation structions



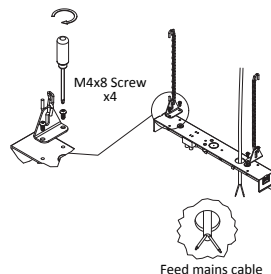
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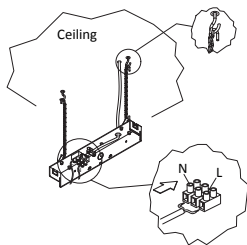
Step 2: Drill two $\varnothing 6$ mm holes in the wall as shown and insert M6 $\times$ 6mm expansion sockets.



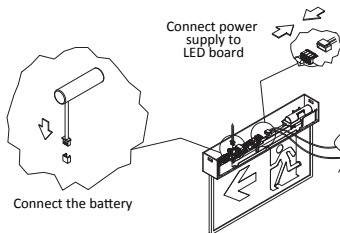
Step 3: Pry the mounting plate off the luminaire with a flat-blade screwdriver; drill a $\varnothing 20$ mm hole in the plate.



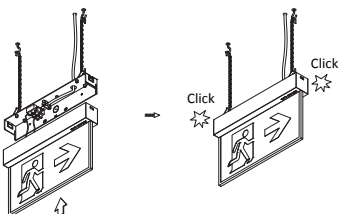
Step 4: Feed the supply cable through the plate; fix the suspended-mount kit to the plate as shown.



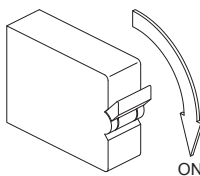
Step 5: Connect the supply cable to the terminal block.



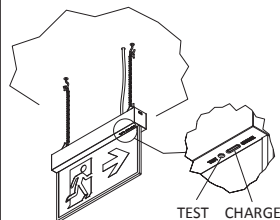
Step 6: Join the power connector; plug the battery lead into the inverter.



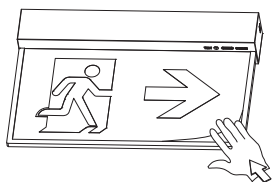
Step 7: Mount the luminaire body onto the mounting plate.



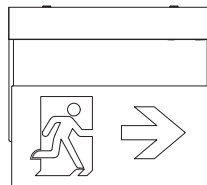
Step 8: Restore mains power.



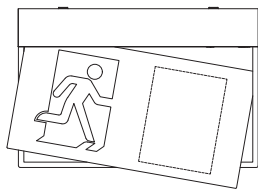
Pictogram Replacement



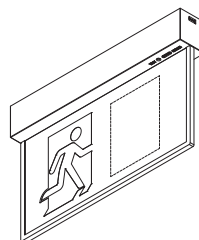
Step 1: Eject the pictogram.



Step 2: Replace the pictogram.



Step 3: Load a new one .



Step 4: Install.

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 manufacturers 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 - Signify, Level 9, 5 Rider Blvd, Rhodes, Sydney, NSW 2138, phone T 1300 799 300 – Signify Customer Service.

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.