

## INSTALLATION / WARRANTY INSTRUCTIONS

PRODUCT BRAND: PIERLITE

PRODUCT NAME: ECO PANEL GEN3

PRODUCT CODE: ECOPL063CSEG3, ECOPL066CSLSEG3, ECOPL123CSLSEG3, ECOPL126CSLSEG3

Issue Date:07/09/2023

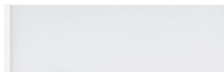
Please read these installation instructions carefully before installing or maintaining this equipment. The product is designed for installation and maintenance in accordance with relevant Australian standards (AS/NZ3000), by an authorised and licensed electrician. The installation instructions were correct 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.



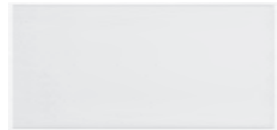
ECOPL063CSEG3



ECOPL066CSLSEG3



ECOPL123CSLSEG3



ECOPL126CSLSEG3

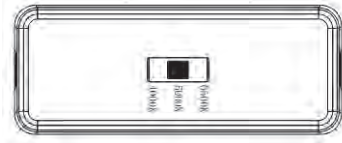


### 1. PRODUCT SPECIFICATION:

Product code	ECOPL063CSEG3	ECOPL066CSLSEG3	ECOPL123CSLSEG3	ECOPL126CSLSEG3
Material and Colour	Cold Rolled Steel with Polystyrene Difusser			
Electrical classification	Class II			
Ingress protection	IP40 from the front, IP20 from the rear			
IK rating	IK03			
IC Rating(recessed only)	IC-4 for panel only, DO NOT COVER for LED driver			
Nominal voltage	220-240V~			
Nominal frequency	50Hz			
Available wattages	13W	25W/34W	25W/34W	36W/46W
Line current	0.06A	0.11A/0.15A	0.11A/0.15A	0.16A/0.20A
Power factor	>0.9			
Surge protection rating	L/N: 1KV	L/N: 1KV	L/N: 1KV	L/N: 1KV
Inrush current	2.9A/125µs	17.5A/520µs	17.5A/520µs	18.8A/688µs
Earth leakage	<0.5mA			
Operating ambient temperature	-10 - 45°c			
LED lifetime	L70B50 > 54000 hours (L90B10 > 50000hours)			
Colour temperature	4000K/5000K/6500K			
SDCM	≤3 for 4000K/6500K			
Colour rendering index (CRI)	≥ 80			
Lumen output	Refer to section 3			
LED control gear	Constant current driver with dip switches			
Electrical connection	1.2M flex and plug			
Installation Orientation	Horizontal face down – Recessed, Surface mounted, Suspended			
Dimensions (LxWxH)	Refer to section 4			
Net weight of luminaire	Refer to section 4			

Applications	Interior commercial and education, etc.
Direct mounting on flammable surfaces	Yes
Cord Type (X,Y,Z)	Z
Warranty	5 years

These products are designed to be CCT and lumen selectable. Factory settings could be altered accordingly by adjusting the CCT DIP switch located on cable and the lumen DIP switch located on driver.



## 2. CONSUMABLES AND ACCESSORIES







Description	QTY Required Per Fitting	Brand	Component Part Number	Dimensions (mm)	Suitable for Pierlite ECO Panel Gen3
PLASTER MASTER RECESSED FRAMES (SOLD SEPARATELY)	1	PIERLITE	FRM/PM18W	600X300	ECOPL063CSEG3
	1	PIERLITE	FRM/PM18WIDE	600X600	ECOPL066CSLSEG3
	1	PIERLITE	FRM/PM36W	1200X300	ECOPL123CSLSEG3
	1	PIERLITE	FRM/PM36WIDE	1200X600	ECOPL126CSLSEG3
UNIVERSAL DEEP FRAME FOR AUSTRALIA (SOLD SEPARATELY)	1	PIERLITE	UDFRM/6-3	600X300X70	ECOPL063CSEG3
	1	PIERLITE	UDFRM/6-6	600X600X70	ECOPL066CSLSEG3
	1	PIERLITE	UDFRM/12-3	1200X300X70	ECOPL123CSLSEG3
	1	PIERLITE	UDFRM/12-6	1200X600X70	ECOPL126CSLSEG3
SURFACE MOUNTED FRAME UNIVERSAL FOR NEW ZEALAND (SOLD SEPARATELY)	1	PIERLITE	SMFRM063	600X300	ECOPL063CSEG3
	1	PIERLITE	SMFRM066	600X600	ECOPL066CSLSEG3
	1	PIERLITE	SMFRM123	1200X300	ECOPL123CSLSEG3
	1	PIERLITE	SMFRM126	1200X600	ECOPL126CSLSEG3
SUSPENSION KIT- INCLUDES 2 SETS FOR 1 PANEL (SOLD SEPARATELY)	1	PIERLITE	WIRESUSP/ECOPL		ECOPL063CSEG3 ECOPL066CSLSEG3 ECOPL123CSLSEG3 ECOPL126CSLSEG3

## 3. LUMEN SELECT TABLE (contractor selectable output)

Pierlite's lumen select products allows all licensed electricians to purchase one luminaire that can be set as multiple fixed wattages/ fixed lumen outputs. By offering this capability within one fitting, it provides the following benefits

- One fitting multiple fixed outputs
- Less stocked items
- Easy to change settings
- IES files available for all available for wattages shown in the above table
- No control system or software required to change fixed output

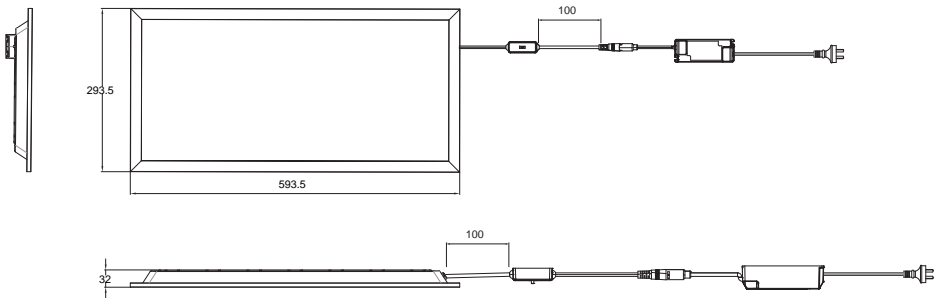
The lumen output can be altered by changing the dip switches located on driver from the factory default setting to the preferred lumen output to suit various applications.

Product Code#	Power (W)	Line Current (A)	Lumen Output (Lm)	Dip Switch Settings	CCT (K)
ECOPL063CSEG3	13	0.06	1347	NA	4000K
	13		1375		5000K
	13		1286		6500K
ECOPL066CSLSEG3	25	0.11	2873	34W  25W	4000k
	25		2952		5000K
	25		2760		6500K
	34	0.15	3710	34W  25W	4000k
	34		3841		5000K
	34		3551		6500K
ECOPL123CSLSEG3	25	0.11	2887	34W  25W	4000k
	25		2962		5000K
	25		2771		6500K
	34	0.15	3724	34W  25W	4000k
	34		3877		5000K
34	3552	6500K			
ECOPL126CSLSEG3	36	0.16	4262	46W  36W	4000k
	36		4426		5000K
	36		4177		6500K
	46	0.20	5275	46W  36W	4000k
	46		5536		5000K
	46		5178		6500K

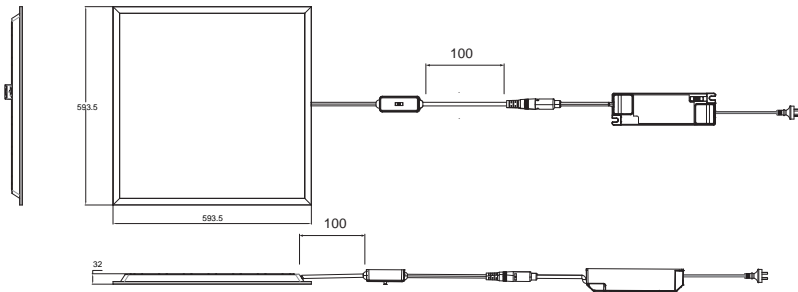
#### 4. LINE DIAGRAMS AND DIMENSION

Item code	Length (mm)	Width (mm)	Height (mm)	Weight in (kg)
ECOPL063CSEG3	593.5	293.5	32	1.03
ECOPL066CSLSEG3	593.5	593.5	32	1.77
ECOPL123CSLSEG3	1193.5	293.5	32	1.90
ECOPL126CSLSEG3	1193.5	593.5	37	4.03

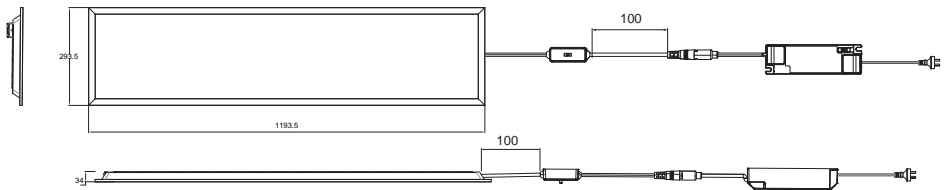
ECOPL063CSEG3 - 293.5mm\*593.5\*32mm



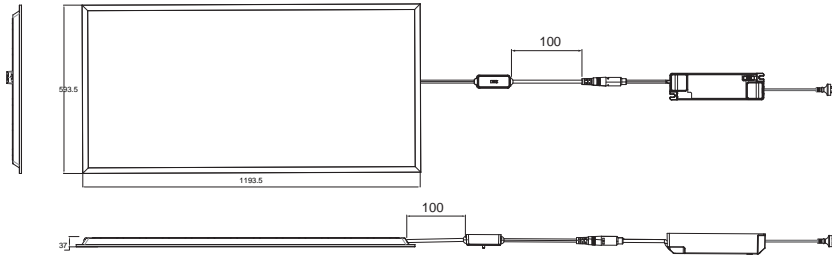
ECOPL066CSLSEG3 - 593.5mm\*593.5mm\*32mm



ECOPL123CSLSEG3 - 293.5mm\*1193.5mm\*34mm

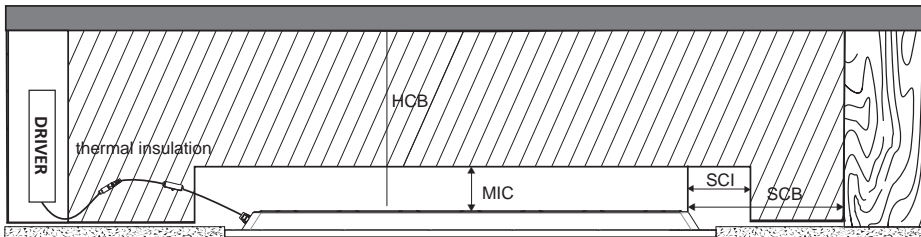


ECOPL126CSLSEG3- 593.5mm\*1193.5mm\*37mm



**5. 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.

This Luminaire can be abutted and covered by insulation.



**Note:**

- For IC-4 installation, DO NOT use double sided tape on the driver and attach it to back of the panel,
- For IC-4 installation, place LED driver in ventilated area,
- IC-4 for panel only, DO NOT COVER for LED driver

**HCB(Height clearance to building element)**

Minimum distance between the top of the recessed luminaire and the combustible building element above it.

**HCB = 0mm**

**MIC(Minimum insulation clearance)**

Minimum distance between the top of the recessed luminaire and the building insulation above it.

**MIC = 0mm**

**SCB(Side clearance to building element)**

Minimum distance between the side of the recessed luminaire and the combustible building element next to it.

**SCB = 0mm**

**SCI(Side clearance to insulation)**

Minimum distance between the side of the recessed luminaire and the building insulation next to it.

**SCI = 0mm**

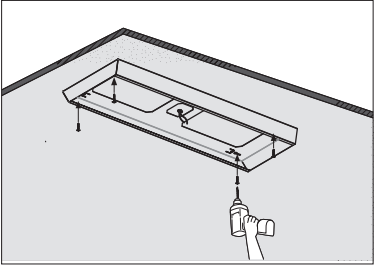
**WARNING — RISK OF OVERHEATING OR FIRE IF THE CLEARANCE DISTANCES ARE COMPROMISED.**

Installation Instructions:

**1) Surface mounted**

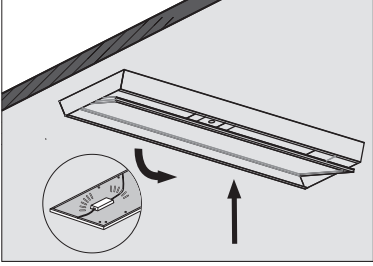
- i) UNIVERSAL DEEP SURFACE MOUNT FRAME (Product code: UDFRM/12-3, UDFRM/12-6, UDFRM/6-3, UDFRM/6-6 to be purchased separately)

**STEP 1**



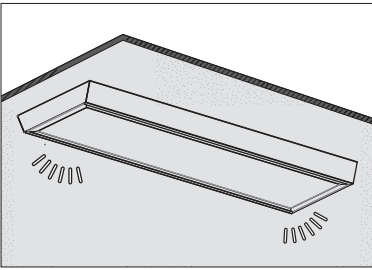
Switch off mains power.  
 Fix frame to ceiling via four surface mount holes.

**STEP 2**

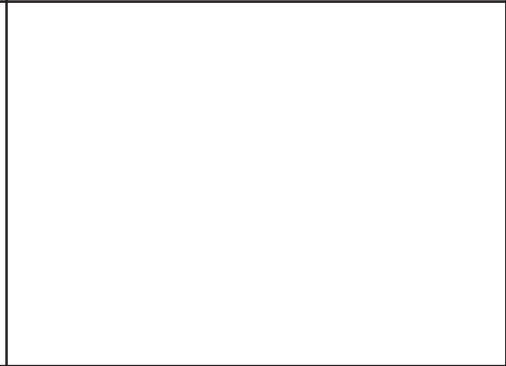


Insert plug into low profile ceiling socket  
 Slightly tilt and insert the panel into one side of the frame  
 Move the panel into the other side of the frame  
 Slightly adjust the panel position to fit the frame

**STEP 3**

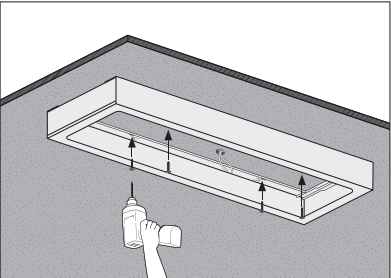


Switch on mains power



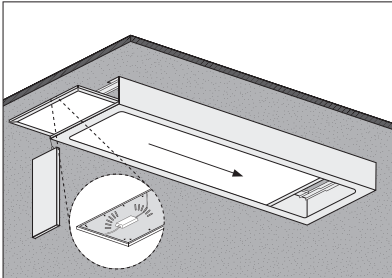
ii) SURFACE MOUNTED FRAME UNIVERSAL FOR NEW ZEALAND (Product code: SMFRM063, SMFRM066, SMFRM123, SMFRM126 to be purchased separately)

**STEP 1**



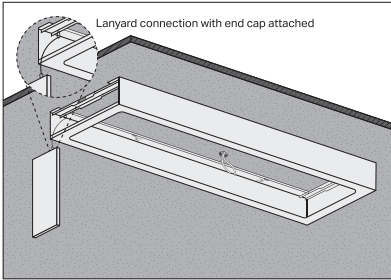
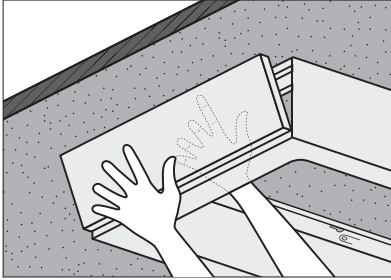
Switch off mains power.  
 Fix frame to ceiling via four surface mount holes.

**STEP 3**



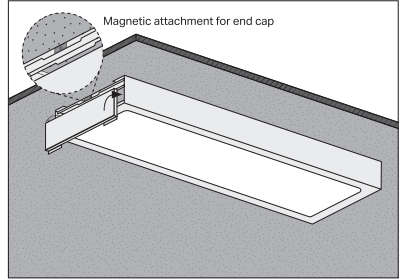
Connect luminaire to power supply by following **luminaire's installation instructions**.  
 Slide the luminaire into the frame.

**STEP 2**



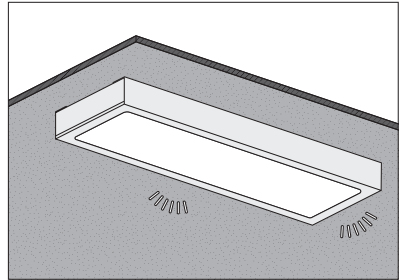
Remove one end cap on either side of the frame by pushing the end cap from the inside. Lift out the end cap and let the end cap hang with the connected lanyard.

**STEP 4**



Attach the end cap back into place

**STEP 5**



Switch on mains power

## 2) RECESSED INSTALLATIONS

### I) Usual installations

ECOPL063CSEG3 recessed installation instruction	ECOPL066CSLSEG3 recessed installation instruction	ECOPL123CSLSEG3 recessed installation instruction	ECOPL126CSLSEG3 recessed installation instruction
<p>A1</p> <p>Step 1</p>	<p>B1</p> <p>Step 1</p>	<p>C1</p> <p>Step 1</p>	<p>D1</p> <p>Step 1</p>
<p>A2</p> <p>Step 2</p>	<p>B2</p> <p>Step 2</p>	<p>C2</p> <p>Step 2</p>	<p>D2</p> <p>Step 2</p>
<p>A3</p> <p>Step 3</p>	<p>B3</p> <p>Step 3</p>	<p>C3</p> <p>Step 3</p>	<p>D3</p> <p>Step 3</p>

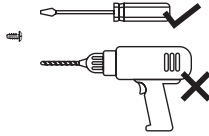
### II) PLASET MASTER FRAME (Product code: FRM/PM 18W, FRM/PM18WIDE, FRM/PM36/PM36WIDE to be purchased separately)

<p><b>STEP 1</b></p> <p>Refer to chart for correct cut-out size</p> <table border="1"> <thead> <tr> <th>Ceiling 5 to 18mm thick</th> <th>Ceiling 18 to 36mm thick</th> </tr> </thead> <tbody> <tr> <td>610 x 310</td> <td>615 x 315</td> </tr> <tr> <td>610 x 610</td> <td>615 x 615</td> </tr> <tr> <td>1210 x 310</td> <td>1215 x 315</td> </tr> <tr> <td>1210 x 610</td> <td>1215 x 615</td> </tr> </tbody> </table> <p>Cut the opening in the ceiling</p>	Ceiling 5 to 18mm thick	Ceiling 18 to 36mm thick	610 x 310	615 x 315	610 x 610	615 x 615	1210 x 310	1215 x 315	1210 x 610	1215 x 615	<p><b>STEP 3</b></p> <p>Fit the frame into the ceiling opening, bracket end first</p>
Ceiling 5 to 18mm thick	Ceiling 18 to 36mm thick										
610 x 310	615 x 315										
610 x 610	615 x 615										
1210 x 310	1215 x 315										
1210 x 610	1215 x 615										
<p><b>STEP 2</b></p> <p>Fit a support bracket to one short side only</p>	<p><b>STEP 4</b></p> <p>Fit the other 3 support brackets and tighten them</p>										

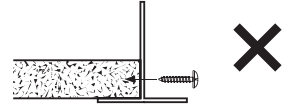


**NOTE:**

**Please don't use an electric screwdriver!**

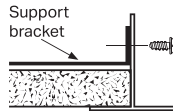


**Please don't screw straight into the plaster!**

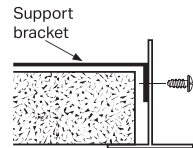


Note: It is the installer's responsibility to ensure the ceiling surface is sufficiently strong to support the weight of the luminaire and frame. Please liaise with a builder if you are unsure.

Ceiling  
5 to 18mm  
thick

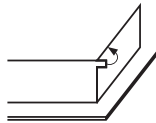


Ceiling  
18 to 36mm  
thick

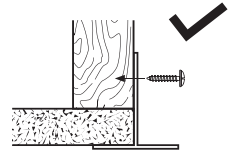


**ONLY** if the ceiling  
is over 37mm thick

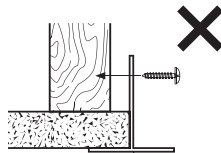
First bend over the tab on  
side of Frame



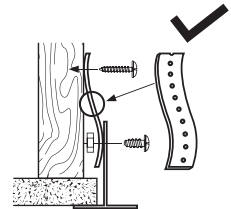
It's OK to screw into  
timber or metal if it's right  
next to the Frame



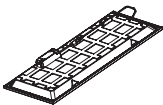















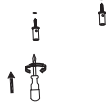
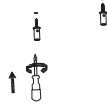
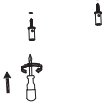

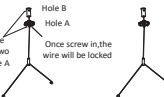
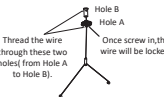
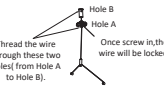
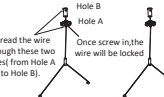
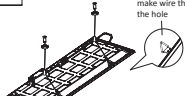
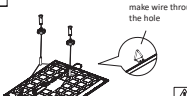
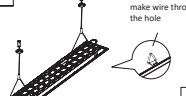
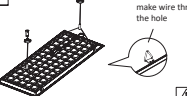
**DON'T** screw into timber  
or metal if it isn't right  
next to the Frame!



If necessary, use a piece  
of metal strapping to  
support the Frame to the  
building structure



3) SUSPENSION INSTALLATIONS

ECOPL063CSEG3 suspension kits installation instruction	ECOPL066CSLSEG3 suspension kits installation instruction	ECOPL123CSLSEG3 suspension kits installation instruction	ECOPL126CSLSEG3 suspension kits installation instruction
<p>A1</p> 	<p>B1</p> 	<p>C1</p> 	<p>D1</p> 
<p>Step 1</p>  <p>Pre drill hole for insert expansion screw on the ceiling for the suspension kit</p>	<p>Step 1</p>  <p>Pre drill hole for insert expansion screw on the ceiling for the suspension kit</p>	<p>Step 1</p>  <p>Pre drill hole for insert expansion screw on the ceiling for the suspension kit</p>	<p>Step 1</p>  <p>Pre drill hole for insert expansion screw on the ceiling for the suspension kit</p>
<p>A2</p>  <p>Step 2</p>	<p>B2</p>  <p>Step 2</p>	<p>C2</p>  <p>Step 2</p>	<p>D2</p>  <p>Step 2</p>
<p>A3</p>  <p>Step 3</p>	<p>B3</p>  <p>Step 3</p>	<p>C3</p>  <p>Step 3</p>	<p>D3</p>  <p>Step 3</p>
<p>A4</p>  <p>Step 4</p>	<p>B4</p>  <p>Step 4</p>	<p>C4</p>  <p>Step 4</p>	<p>D4</p>  <p>Step 4</p>
<p>A5</p>  <p>Thread the wire through these two holes (from Hole A to Hole B).          Once screw in, the wire will be locked!</p> <p>Step 5</p>	<p>B5</p>  <p>Thread the wire through these two holes (from Hole A to Hole B).          Once screw in, the wire will be locked!</p> <p>Step 5</p>	<p>C5</p>  <p>Thread the wire through these two holes (from Hole A to Hole B).          Once screw in, the wire will be locked!</p> <p>Step 5</p>	<p>D5</p>  <p>Thread the wire through these two holes (from Hole A to Hole B).          Once screw in, the wire will be locked!</p> <p>Step 5</p>
<p>A6</p>  <p>make wire through the hole</p> <p>Step 6</p>	<p>B6</p>  <p>make wire through the hole</p> <p>Step 6</p>	<p>C6</p>  <p>make wire through the hole</p> <p>Step 6</p>	<p>D6</p>  <p>make wire through the hole</p> <p>Step 6</p>

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

**5. 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 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.

**6. 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".



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

**7. 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.

#### **8. 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

**9 . 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.