

## INSTALLATION / WARRANTY INSTRUCTIONS

issue date: 08/04/2020

**PRODUCT BRAND** Pierlite

**PRODUCT NAME / CODES** SHADOWECO30CSLS (Shadow Eco LED Floodlight 30W Colour lumen select)

**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 (AS3000) AND LOCAL REGULATIONS (WHERE APPLICABLE), BY AN AUTHORISED AND LICENCED ELECTRICIAN.** THE INSTALLATION INSTRUCTIONS WERE CORRECT AT THE TIME OF PRINT. TO REFLECT CHANGES IN TECHNOLOGY AND AUSTRALIAN STANDARDS; GERARD LIGHTING RESERVES THE RIGHT TO AMEND THE INSTRUCTIONS WITHOUT NOTICE. UPDATED GUIDELINES CAN BE FOUND ON THE RELEVANT BRAND WEB SITE.

**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.



### 1. PRODUCT SPECIFICATION:

### SHADOWECO30CSLS

Product brand	- Pierlite
Type of Protection	- Class I
IP Rating - for interior products, the IP rating nominated is "from below the ceiling" unless specifically nominated.	- IP65
IK Rating	- IK06
Nominal design Voltage	- 240V
Circuit wattage	- 14.8W / 28.7W
Line current	- 65mA@15W/127mA@30W
In-rush current	- 10A/300µs@15W and 11A/288 µs@30W
Important – when installing electronic or HID lighting equipment, the installer must consider the in-rush start current (if any) as documented on the control gear identification label when selecting appropriate circuit controls or protective devices.	
Power factor	- ≥0.9
Nominal Freq. (Hz)	- 50 Hz
Rated Minimum / Maximum Ambient Temperature	- TA40°C
Suitable for direct mounting on flammable surfaces	- NO
Dimmable (if relevant refer brand web for approved list)	- NO
Installation orientation	- 0 deg to +120 deg
Designed application	- Exterior
Rated average design life	- 25,000 hours* to L70, 50% survival
Net Weight (kg)	- 0.57

\*Based on application of Pierlite's product operating and maintenance guidelines; see [www.pierlite.com](http://www.pierlite.com). Actual product life may vary dependent upon frequency of maintenance and product application.

**Coastal areas are often exposed to harsh elements which can all damage the exterior surfaces of the floodlight. It is not recommended to install the floodlight within 1km radius of coastline.**

**2. 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".



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

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

**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.

## 6. INSTALLATION / SPECIAL CONDITIONS (relevant only for products approved for such an installation):

**(a) products installed in high wind environments** must have suitable installation / fastening methods applied to ensure the product's mounting points are not damaged through, corrosion, constant vibration and or movement. Exterior products are designed with precise vertical aiming limits, which should not be exceeded. Any vertical floodlight aiming requirements should be specifically validated in writing with the relevant brand before consideration.

**(b) products installed in corrosive or salt laden environments** require special consideration and such; specific product selection, inclusive of suitable fastening methods and extensive ongoing maintenance of products installed in these environments require professional advice. It is essential that all aspects of the product selection, material specification and maintenance are specifically designed for such use and a cleaning program be adopted that maintains the design integrity of the product.

**(c) interior highbay products** must be vertically suspended. The method of suspension (chain etc) must be able to support at least 5 times the total weight of the fitting. Do not install where air movement will cause the fitting to swing about, causing wear and tear of attachment points. Luminaires should be installed where access for maintenance is practical and allows for maintenance to be completed in accordance with the manufacturer's recommendations.

**(d) interior (downlight) products** must be installed to ensure the lamp unit or the driver (if supplied) are not covered with any combustible materials or insulation; minimum spacings nominated for these materials are mandatory. Unless otherwise specified, minimum clearances are in accordance with AS3000 requirements. The product is not designed for installation environments which restrict conventional airflow movements eg: enclosed boxes or concrete profiles. For dimming purposes please see the relevant product brand web site for the dimming compatibility chart. When mounting multiple fixtures to conductive structures, it is recommended that the structure is earthed. The mounting facilities provided for the transformer/driver (if any), need only be utilized if in the application of the product is required by AS3000. IP ratings stated (if any) are from below the ceiling unless stated otherwise and the installation of the product must be in a manner that maintains the integrity of the relevant IP rating.

## 7. 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. Gerard Lighting 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), Gerard Lighting recommends the application of the lamp manufacturer's operating guidelines, which can be found on manufacturer's website. Gerard Lighting 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 of 25,000 hours in standby mode. The battery is supported with a standard 12 month warranty; 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.

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

**Warranty components** – THE PRODUCT, (identified as the THE PRODUCT only). **Warranty period** - The above components are provided with a warranty of THREE (3) year/s or 15,000 hours of operation (which ever arrives first) 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** – Gerard Lighting Pty Ltd, 96 Gow Street Padstow NSW 2211, phone T 02 9794 9300 contact – Gerard Lighting 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, Gerard Lighting will review the claim and if found to be accepted, Gerard Lighting 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.

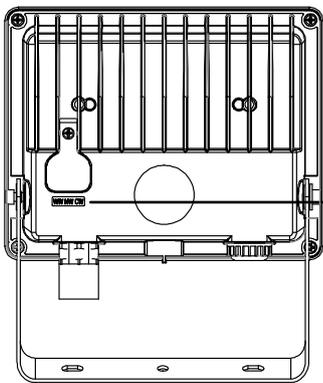
**Consumer Contracts** - The benefits to the customer given by the Gerard Lighting warranty are in addition to other rights and remedies of the customer if the goods are the subject of a Consumer Contract under the Australian Consumer Law. In that event the following statement is required to be brought 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 Gerard Lighting 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 Gerard Lighting Terms and Conditions of Sale in so far as they apply to the Warranty components.

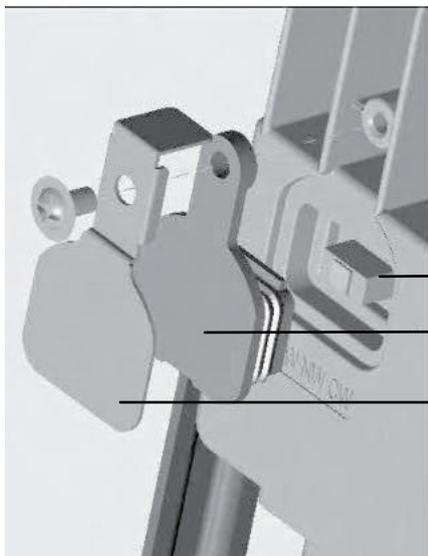
Colour temperature

	Warm White (WW)	Cool White (CW)	Daylight (DL)
Colour Temperature	3000K	4000K	6500K
15W Lumen output (nom)	1400lm	1500lm	1500lm
30W Lumen output (nom)	2900lm	3000lm	3000lm

\* Due to continual product improvement, information is subject to change without notice.



Colour Select – The colour temperature of floodlight can be adjusted via the dip switch (located at the back of the floodlight) from 3000K, 4000K and 6500K. Default setting at 4000K.



1. Unscrew the stainless-steel plate
2. Remove the silicon plug underneath
3. Adjust the colour temperature
4. Plug tightly the silicon plug after colour temperature selection
5. Tighten the stainless-steel plate with screw

Dip switch

Silicon Cover

Stainless-steel plate

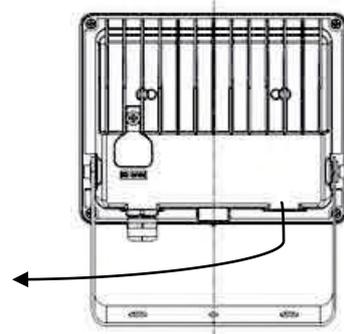


A washer underneath help keeping the screw intact with the stainless-steel plate when installation

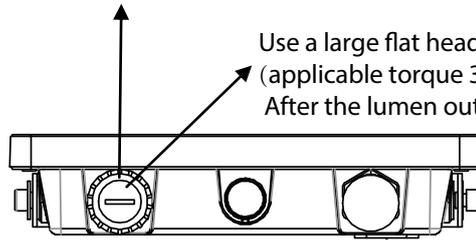
Lumen Select



Lumen select - The lumen output of floodlight can be adjusted via the switch (located at the bottom of the floodlight) from 15W and 30W. Default setting at 30W.

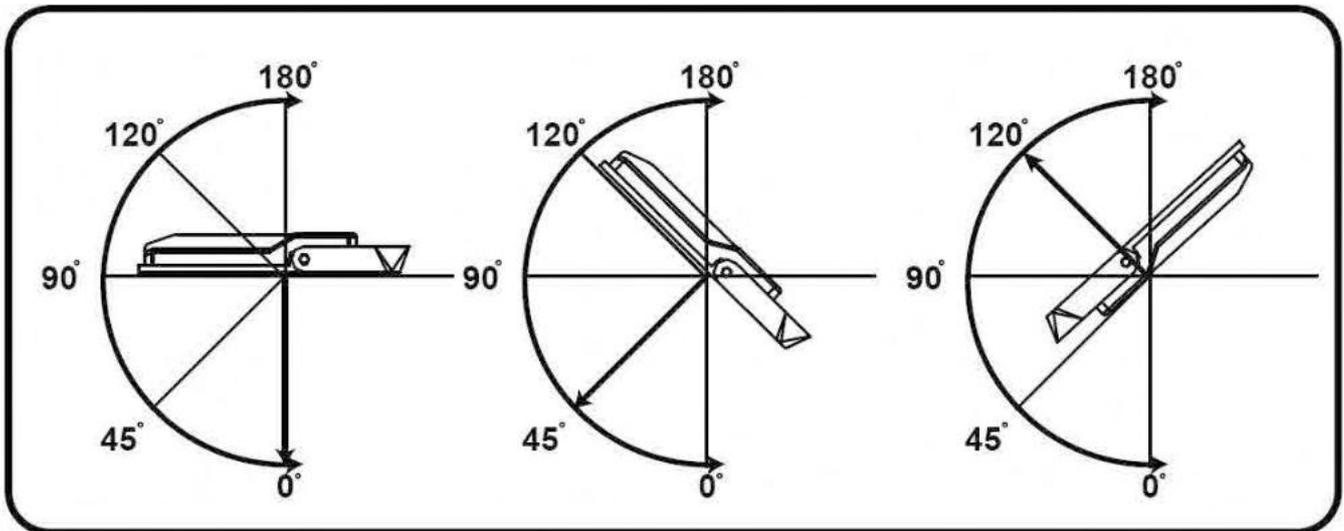


Use a large flat head screwdriver to unscrew or tighten this cover (applicable torque 3-4kgf.cm) for lumen select switch underneath. After the lumen output adjustment, tighten the cover.

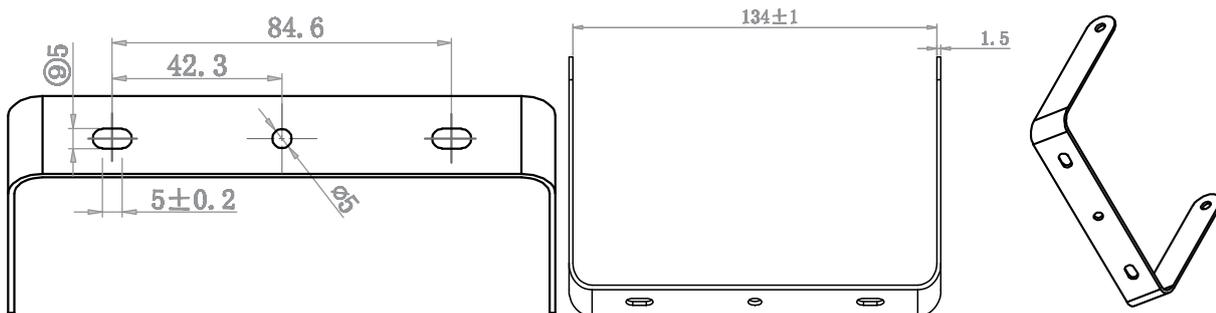
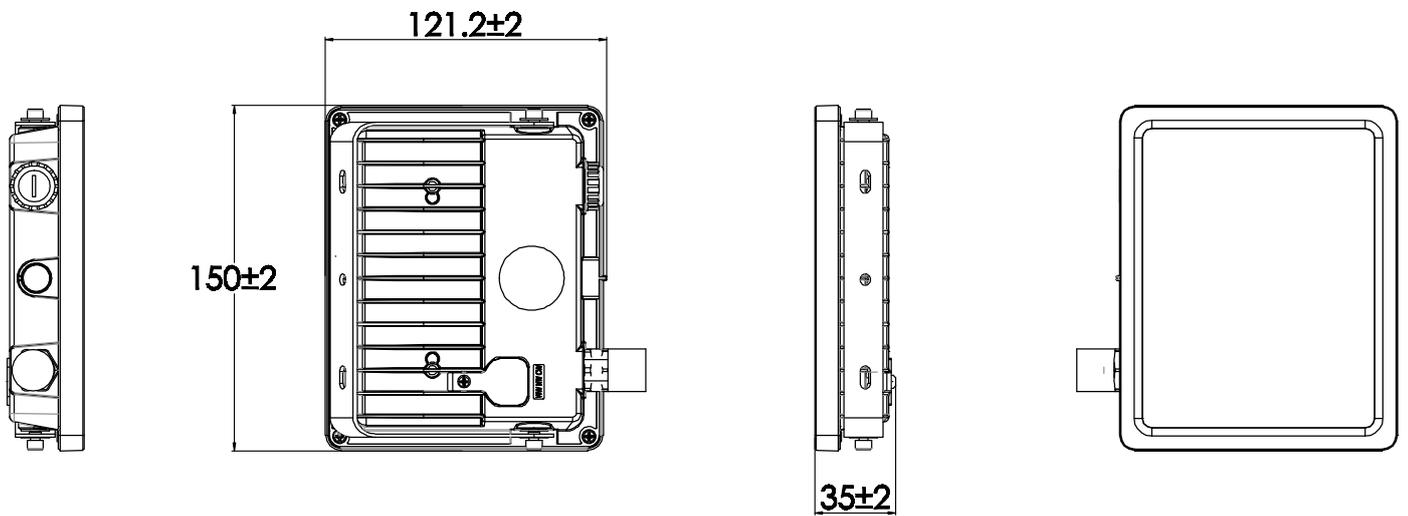
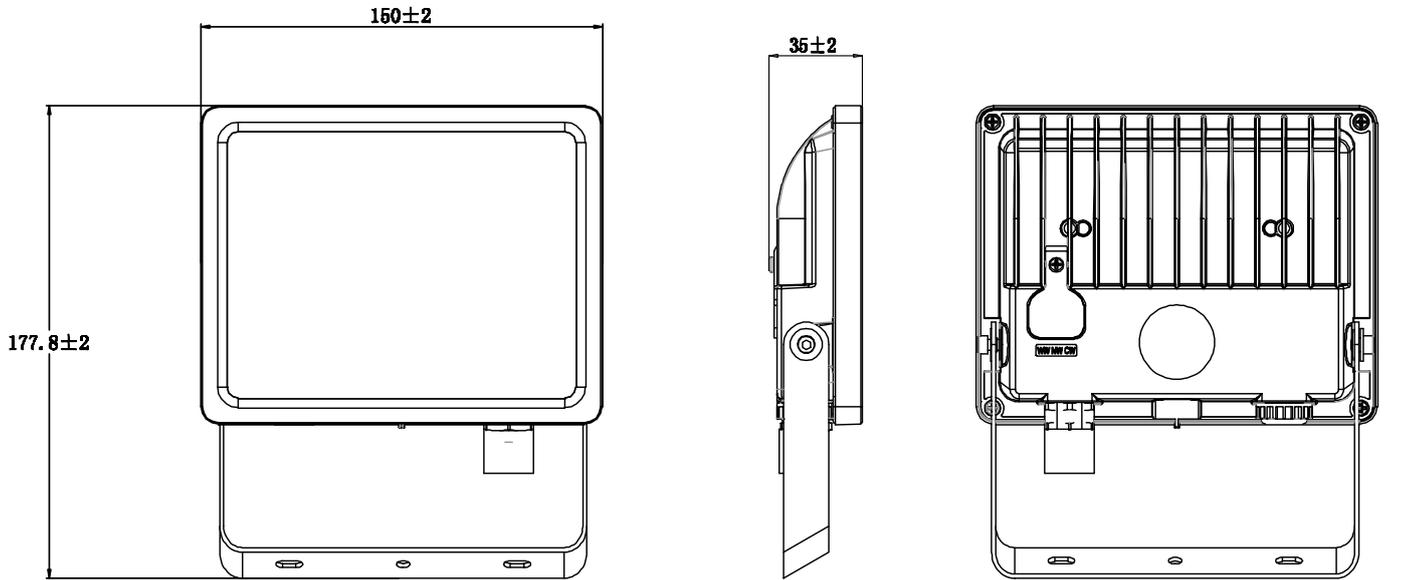


Lumen select switch  
15W / 30W

Installation Orientation

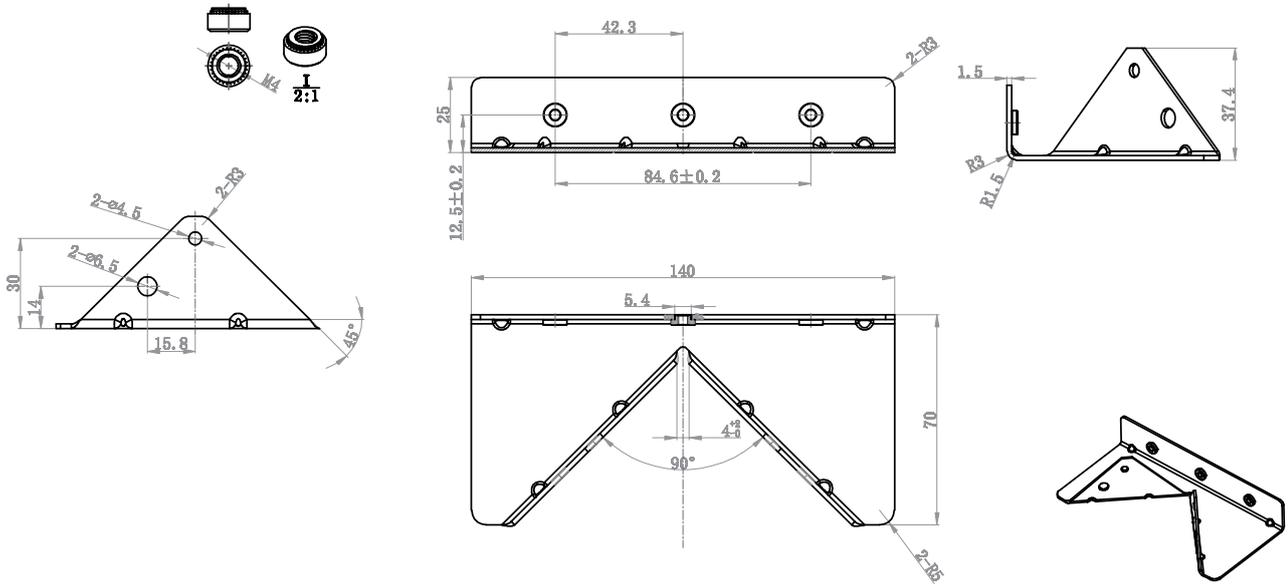


Line Drawings  
SHADOWECO30CSLS

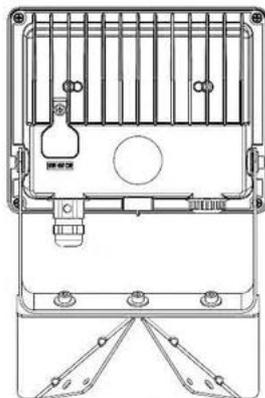
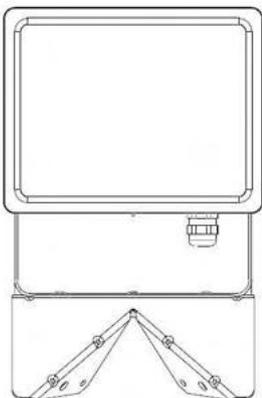


Corner Bracket (fastening screws and fixings inclusive) – For corner mounted installation purpose

Line Drawings - Corner Bracket



SPCC Corner bracket 140 x 70 x 37.4 mm



**INSTALLATION / WARRANTY INSTRUCTIONS**

issue date: 09/11/2020

**PRODUCT BRAND** Pierlite

**PRODUCT NAME / CODES** SHADOWECO100CS , SHADOWECO200CS

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**1. PRODUCT SPECIFICATION:**

	<b>SHADOWECO100CS</b>	<b>SHADOWECO200CS</b>
Product brand	- Pierlite	Pierlite
Type of Protection	- Class I	Class I
IP Rating - for interior products, the IP rating nominated is "from below the ceiling" unless specifically nominated.	- IP65	IP65
Nominal design Voltage	- 240V	240V
Circuit wattage	- 100W	200W
Lumen output(lm)	- 10000lm	20000lm
Line current	- 0.45A	0.85A
In-rush current	- 63.6A/364 us	64.4A/544us
Important – when installing electronic or HID lighting equipment, the installer must consider the in-rush start current (if any) as documented on the control gear identification label when selecting appropriate circuit controls or protective devices.		
Power factor	- ≥0.9	≥0.9
Nominal Freq. (Hz)	- 50 Hz	50Hz
Rated Minimum / Maximum Ambient Temperature	- TA40°C	TA40°C
IK	- 08	08
Suitable for direct mounting on flammable surfaces	- NO	NO
Dimmable (if relevant refer brand web for approved list)	- NO	NO
Installation orientation	- 0 deg to +180 deg	0 deg to +180 deg
Designed application	- Exterior	
Rated average design life	- 50000H@25°	50000H@25°

\*Based on application of Pierlite's product operating and maintenance guidelines; see [www.pierlite.com](http://www.pierlite.com). Actual product life may vary dependant upon frequency of maintenance and product application.

**2. 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".



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

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

**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.

**6. INSTALLATION / SPECIAL CONDITIONS** (relevant only for products approved for such an installation):

**(a) products installed in high wind environments** must have suitable installation / fastening methods applied to ensure the product's mounting points are not damaged through, corrosion, constant vibration and or movement. Exterior products are designed with precise vertical aiming limits, which should not be exceeded. Any vertical floodlight aiming requirements should be specifically validated in writing with the relevant brand before consideration.

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**(c) interior highbay products** must be vertically suspended. The method of suspension (chain etc) must be able to support at least 5 times the total weight of the fitting. Do not install where air movement will cause the fitting to swing about, causing wear and tear of attachment points. Luminaires should be installed where access for maintenance is practical and allows for maintenance to be completed in accordance with the manufacturer's recommendations.

**(d) interior (downlight) products** must be installed to ensure the lamp unit or the driver (if supplied) are not covered with any combustible materials or insulation; minimum spacings nominated for these materials are mandatory. Unless otherwise specified, minimum clearances are in accordance with AS3000 requirements. The product is not designed for installation environments which restrict conventional airflow movements eg: enclosed boxes or concrete profiles. For dimming purposes please see the relevant product brand web site for the dimming compatibility chart. When mounting multiple fixtures to conductive structures, it is recommended that the structure is earthed. The mounting facilities provided for the transformer/driver (if any), need only be utilized if in the application of the product is required by AS3000. IP ratings stated (if any) are from below the ceiling unless stated otherwise and the installation of the product must be in a manner that maintains the integrity of the relevant IP rating.

**7. 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. Gerard Lighting 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), Gerard Lighting recommends the application of the lamp manufacturer's operating guidelines, which can be found on manufacturer's website. Gerard Lighting 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 of 25,000 hours in standby mode. The battery is supported with a standard 12 month warranty; 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.

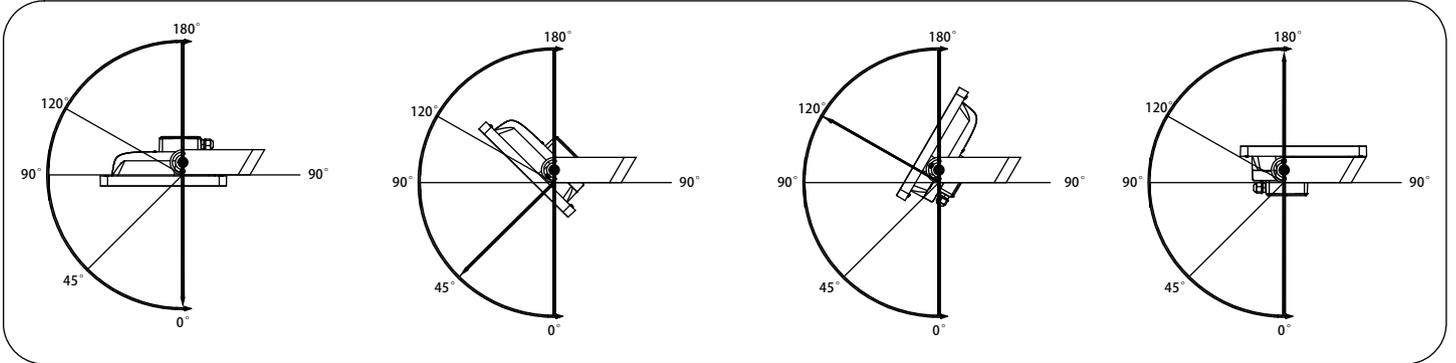
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**Warranty components** - THE PRODUCT, (identified as the THE PRODUCT only). **Warranty period** - The above components are provided with a warranty of THREE (3) year/s or WARRANTED hours of operation (which ever arrives first) against manufacturing 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** - Gerard Lighting Pty Ltd, 96 Gow Street Padstow NSW 2211, phone T 02 9794 9300 contact - Gerard Lighting After Sales Support.

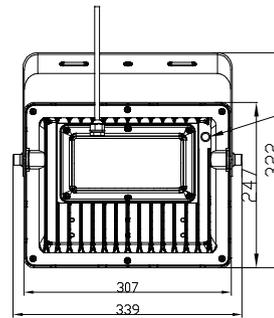
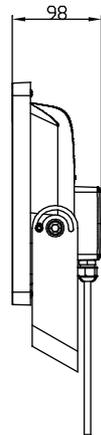
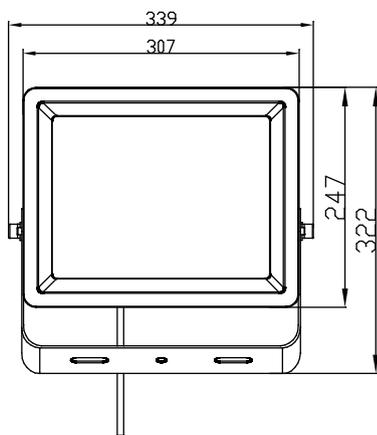
**Warranty claim procedure** - For the purpose of making a claim the customer must:

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, Gerard Lighting will review the claim and if found to be accepted, Gerard Lighting 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 Gerard Lighting 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 Gerard Lighting 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 Gerard Lighting Terms and Conditions of Sale in so far as they apply to the Warranty components.

Installation Orientation

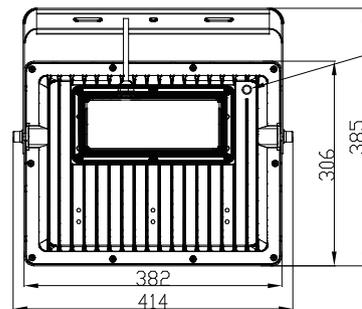
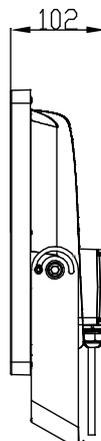
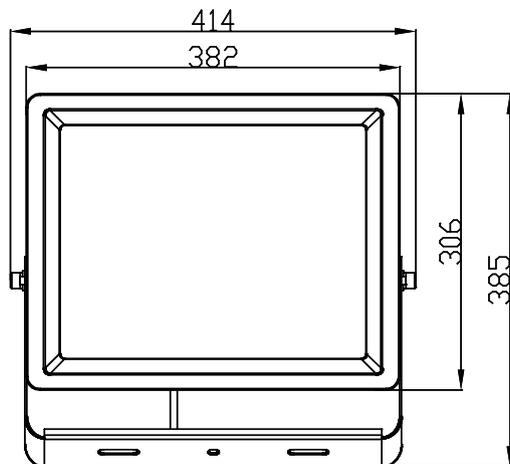


Line Drawings  
SHADOWECO100CS



Color select-The colour temperature of floodlight can be adjusted via the dip switch (located at the back of the floodlight) from 3000K, 4000K and 5000K.

SHADOWECO200CS



Color select-The colour temperature of floodlight can be adjusted via the dip switch (located at the back of the floodlight) from 3000K, 4000K and 5000K.