

INSTALLATION / WARRANTY INSTRUCTIONS

PRODUCT BRAND: PIERLITE

PRODUCT NAME: BWP LED DALI WEATHERPROOF BATTEN

PRODUCT CODE: BWPLS2DCS /BWPLS4DCS /BWPLS4DCSM2

Issue Date:

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	BWPLS2DCS	BWPLS4DCS	BWPLS4DCSM2
Type of protection	Class I luminaire		
Ingress protection	IP65		
IK rating	IK08		
Nominal voltage	240V		
Nominal frequency	50 Hz		
Number of wattages per fitting	4	5	5
Available wattages	Refer to Section 4		
Power factor	>0.9	>0.8 to >0.9	>0.8 to >0.9
Surge protection rating	L-N 3.5KV, L-E: 4KV, N-E: 4KV	L-N 4KV, L-E: 4KV, N-E: 4KV	L-N 4KV, L-E: 4KV, N-E: 4KV
Inrush current	7.4A/22µs	13.2A/35µs	15A/60µs
Earth leakage	0.051mA	0.122mA	0.247mA
Operating ambient temperature	0 to +40°C		
LED lifetime	Rated >60,000 hours (L70/B10)		
Colour temperature	3000K/4000K/6000K		
Colour rendering index (CRI)	80		
LED control gear	DALI		
Available in emergency	NA	NA	Yes, DALI and self testing
Emergency battery technology	NA	NA	2-hour Lithium Iron Phosphate (LiFePO4)
Electrical connection	Direct to 6.0mm ² terminal block		
Cable entry	M20mm		
Installation Orientation	Vertical or horizontal		
Dimensions (LxWxH)	Refer to Section 6		
Net weight of luminaire	Refer to Section 6		
Warranty	Luminaire: 5 years Emergency Battery: 3years		



2. CONSUMABLES

Description	QTY Required Per Fitting	Brand	Component Part Number	Dimensions (mm)
2 hour Lithium Iron Phosphate (LiFePO4)	1	Pierlite	DGLCEM1500/2L12	L68 x W39 x H22

3. 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:
BWPLS4DCSM2: C0/C180: D40; C90/C270: D80

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

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

4. ELECTRICAL CHARACTERISTICS

SKU to Order	Selectable Wattages by Dip Switches (W)	Line Current (A)	Power Factor	Colour Temperature (K)	Emergency	Driver currents settings(mA)	Factory Default Setting
BWPLS2DCS	30	0.132	0.99	3000/4000/6000	No	700	
	24	0.106	0.98		No	580	Yes
	18	0.079	0.96		No	430	
	13	0.059	0.93		No	310	
BWPLS4DCS	61	0.267	0.96		No	1400	
	50	0.223	0.94		No	1150	
	35	0.162	0.86		No	850	Yes
	29	0.146	0.82		No	700	
	20	0.103	0.80		No	600	
BWPLS4DCSM2	65	0.283	0.96		Yes	1400	
	54	0.240	0.94		Yes	1150	
	39	0.181	0.89		Yes	850	Yes
	31	0.160	0.82		Yes	700	
	23	0.119	0.82		Yes	600	

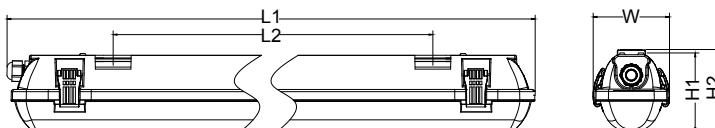
5. DALI CONTROL GEAR: The LED driver and emergency control gear are both controllable through the DALI RAPIX system. A DALI connection is not required in a non-systemized electrical system. If DALI is not required do not connect it.

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

Control gear	Function	Number of Addresses
LED Driver	Dimming, on/off & feedback	1
Emergency Inverter	Testing & Reporting	1

6. LINE DIAGRAMS AND DIMENSIONS

Fitting Size	Length 1 (mm)	Width (mm)	Height 1 (mm)	Height 2 (mm)	Length 2(mm)	Weight in (kg)
2 foot	655	130	92	99	420 ± 10	1.42
4 foot	1265	130	92	99	900 ± 10	2.87



7. LUMEN SELECT (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
- One fitting on the shelf or in the van
- Variable onsite options
- Easy to change settings
- IES files available for all available for wattages shown in the below table
- No control system or software required to change fixed output

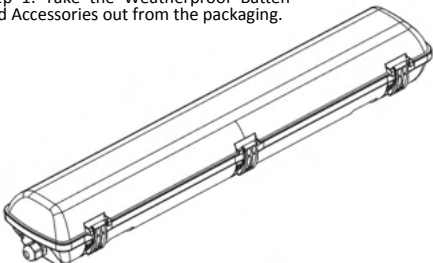
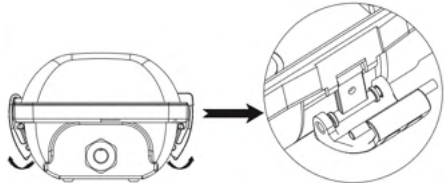
The BWP DALI Weatherproof luminaires has been factory set to pre-determined light levels, if a different wattage/lumen output is required the licensed electrician can easily change the driver dip switches to the settings shown in the below table.

BWPLS4DCS				BWPLS4DCSM2			
System Wattage (W)	Driver Settings (mA)	Lumen Output (lm)	Driver Dip Switch Settings	System Wattage (W)	Driver Settings (mA)	Lumen Output (lm)	Driver Dip Switch Settings
61	1400	6802		65	1400	6802	
50W	1150	5866		54W	1150	5866	
35(factory default setting)	850	4365		39(factory default setting)	850	4365	
29	700	3632		31	700	3632	
25	600	2690		23	600	2690	

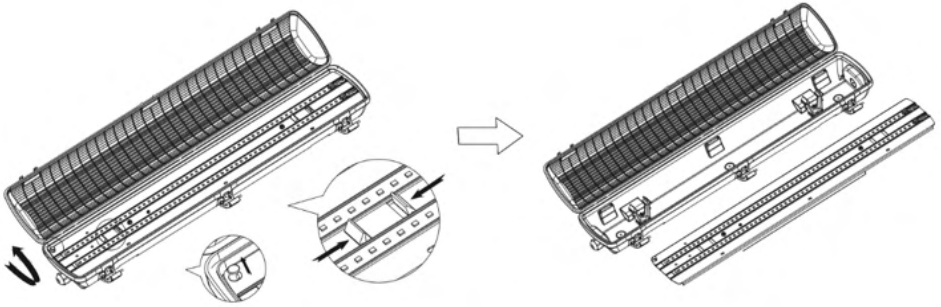
BWPLS2DCS			
System Wattage (W)	Driver Settings (mA)	Lumen Output (lm)	Driver Dip Switch Settings
30	700	3330	
23(factory default setting)	580	2797	
20	430	2113	
18	310	1541	

8. 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.

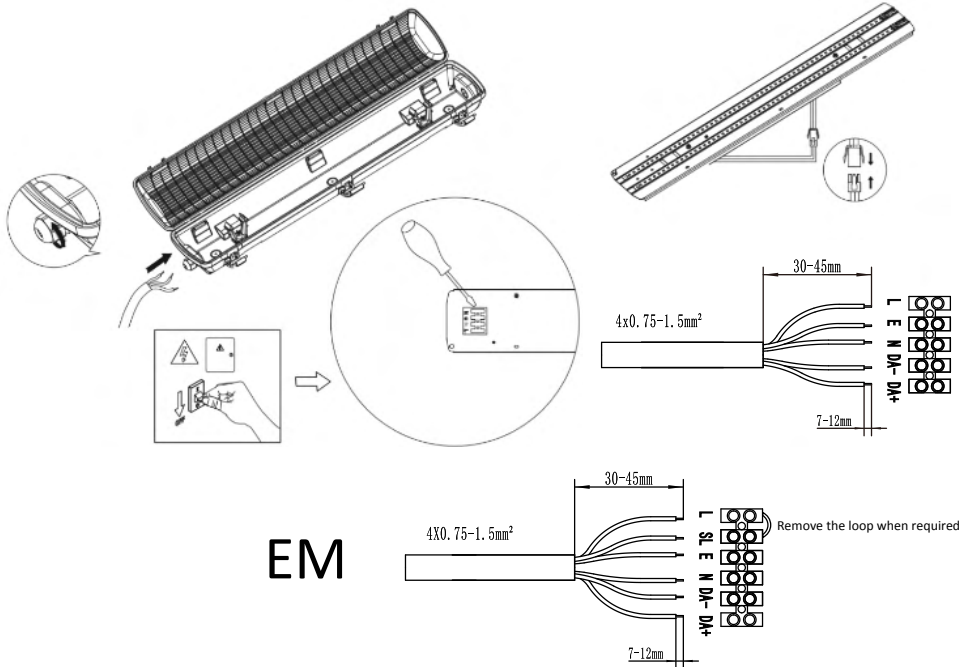
Installation Instructions:

<p>Step 1: Take the Weatherproof Batten and Accessories out from the packaging.</p> 	<p>Step 2: Open the Clips</p> 
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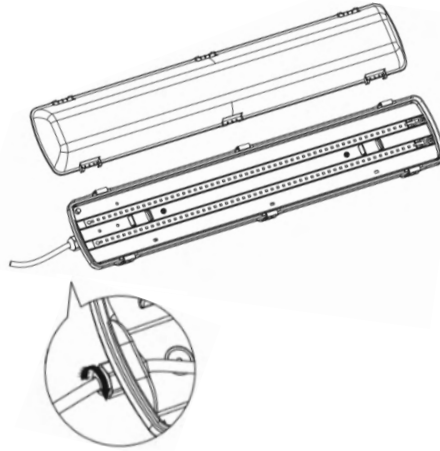
Step 3: Take the gear tray out.



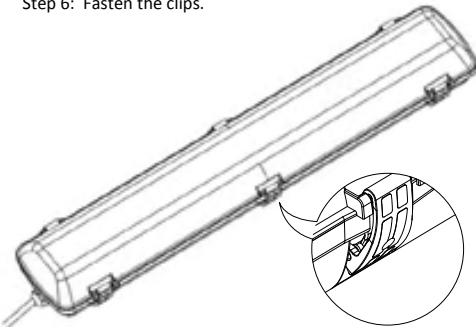
Step 4: Take the cable gland out and connect the AC cable.



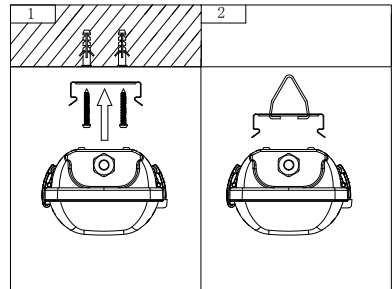
Step 5: Tighten the cable gland



Step 6: Fasten the clips.



Step 7: Install the batten on the ceiling.



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.

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.

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.

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 chords (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

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.