

## INSTALLATION / WARRANTY INSTRUCTIONS

PRODUCT BRAND: PIERLITE

PRODUCT NAME: DELUXE LED BATTEN COLOR SELECT DALI DIM

PRODUCT CODE: DLXBAT202ACS, DLXBAT404ACS, DLXBAT202ACSEM, DLXBAT404ACSEM

Issue Date: 22. 02. 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 authorized 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	DLXBAT202ACS	DLXBAT404ACS	DLXBAT202ACSEM	DLXBAT404ACSEM
Type of Protection	Class I luminaire			
System Voltage	240V~			
Nominal Freq.	50Hz			
IP Rating	IP20			
IK Rating	N/A			
System Power	18W	36W	21W	39W
Leakage Current	≤0.7mA	≤0.7mA		
Input Current	0.08A	0.16A	0.09A	0.16A
In-Rush Current	≤80A/350uS	≤80A/350uS	≤80A/350uS	≤80A/350uS
Surge protection rating	L-N: 1KV; L/N-E:1.5KV	L-N: 1KV; L/N-E:2KV	L-N: 1KV; L/N-E:1.5KV	L-N: 1KV; L/N-E:2KV
Power factor	>0.9			
Dimmable	Yes (DALI)			
CCT	Colour select 4000K/5000K/6500K			
Colour rendering index (CRI)	80			
Available in emergency	NA	NA	Yes, DALI and self-testing	
Emergency battery technology	NA	NA	2-hour Lithium Iron Phosphate (LiFePO4)	
Dimensions(mm)	74 x 74 x 603	74 x 74 x 1164	74 x 74 x 603	74 x 74 x 1164
Net Weight of Luminaire	0.9KG	1.54KG	1.15KG	1.75KG
Rated Ambient Temperature	0-40°C			
Suitable for direct mounting on flammable surfaces	No			
Electrical connection	Direct to 6.0mm <sup>2</sup> terminal block			
Cable entry	M20mm			
Installation Type	Surface mount			
Installation Orientation	Horizontal face down			
Designed application	Interior commercial applications			
Rated average design life	54,000 hours (L70 B50)			
Warranty	Luminaire: 5 years Emergency Battery: 4years			

## 2. CONSUMABLES

Description	QTY Required Per Fitting	Brand	Component Part Number	Dimensions (mm)
2 hour Lithium Iron Phosphate (LiFePO4)	1	Pierlite	DGLCEM1500/2L12	L67 x W37 x H20

## 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: 2 Hours for standard emergency or 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:

DLXBAT202ACSEM: C0/C180: D63; C90/C270: D40

DLXBAT404ACSEM: C0/C180: D63; C90/C270: D40

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

**WARNING: 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

Product Code	System Power	Line Current	Exit Lumen @ 4000K	Exit Lumen @ 5000K	Exit Lumen @ 6500K
DLXBAT202ACS	18W	80mA	1750lm	1800lm	1750lm
DLXBAT404ACS	36W	160mA	3500lm	3700lm	3450lm
DLXBAT202ACSEM	21W	90mA	1750lm	1800lm	1750lm
DLXBAT404ACSEM	39W	170mA	3500lm	3700lm	3450lm

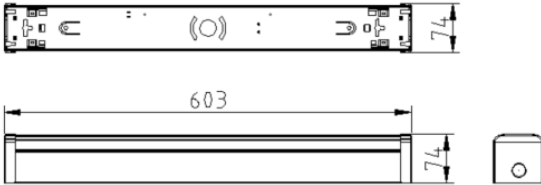
**5. DALI CONTROL GEAR:** The LED driver and emergency control gear are both controllable through the DALI RAPIX system. A DALI connection is not required in a non-systemized electrical system. If DALI is not required do not connect it.

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

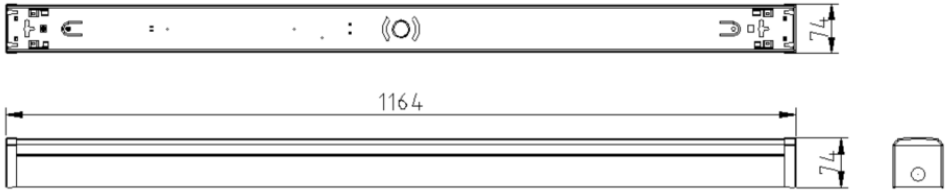
Control gear	Function	Number of Addresses
LED Driver	Dimming, on/off & feedback	1
Emergency Inverter	Testing & Reporting	1

**6. LINE DIAGRAMS AND DIMENSIONS**

**DLXBAT202ACS & DLXBAT202ACSEM**

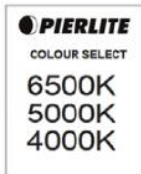


**DLXBAT404ACS & DLXBAT404ACSEM**



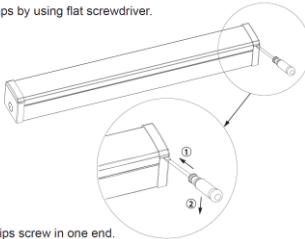
**7. INSTALLATION / GENERAL:** Installation of the product is to be completed by an authorized and licensed electrician, in accordance with these instructions, relevant Australia standards and local regulations (where applicable). Termination of product wiring, together with the installation of the product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

**COLOUR SELECT:**

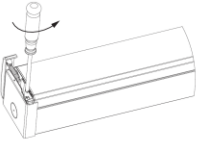


## Installation Instructions (Emergency version):

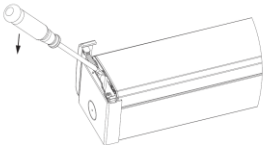
1. Open 2 end caps by using flat screwdriver.



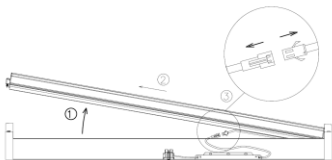
2. Un-tighten phillips screw in one end.



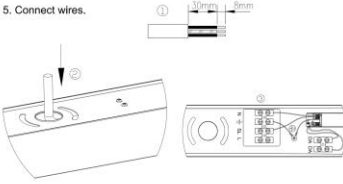
3. Use flat screwdriver to release LED module.



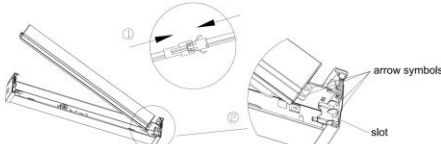
4. Take out LED module & disconnect LED module power cable.




5. Connect wires.



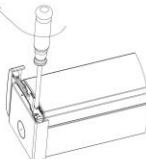
6. Re-connect LED module power cable and connect emergency battery connector. Locate test switch and indicator light on luminaire body. Ensure arrow symbols are in same direction, slide the metal tongue into the slot.



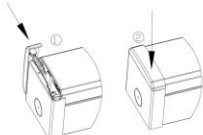
7. Push the other end of LED module to the metal housing until hearing click sound.

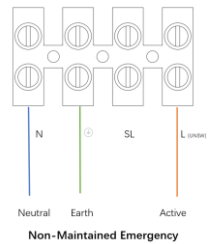
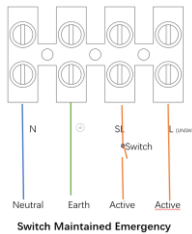
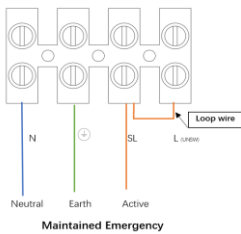


8. Tighten phillips screw.

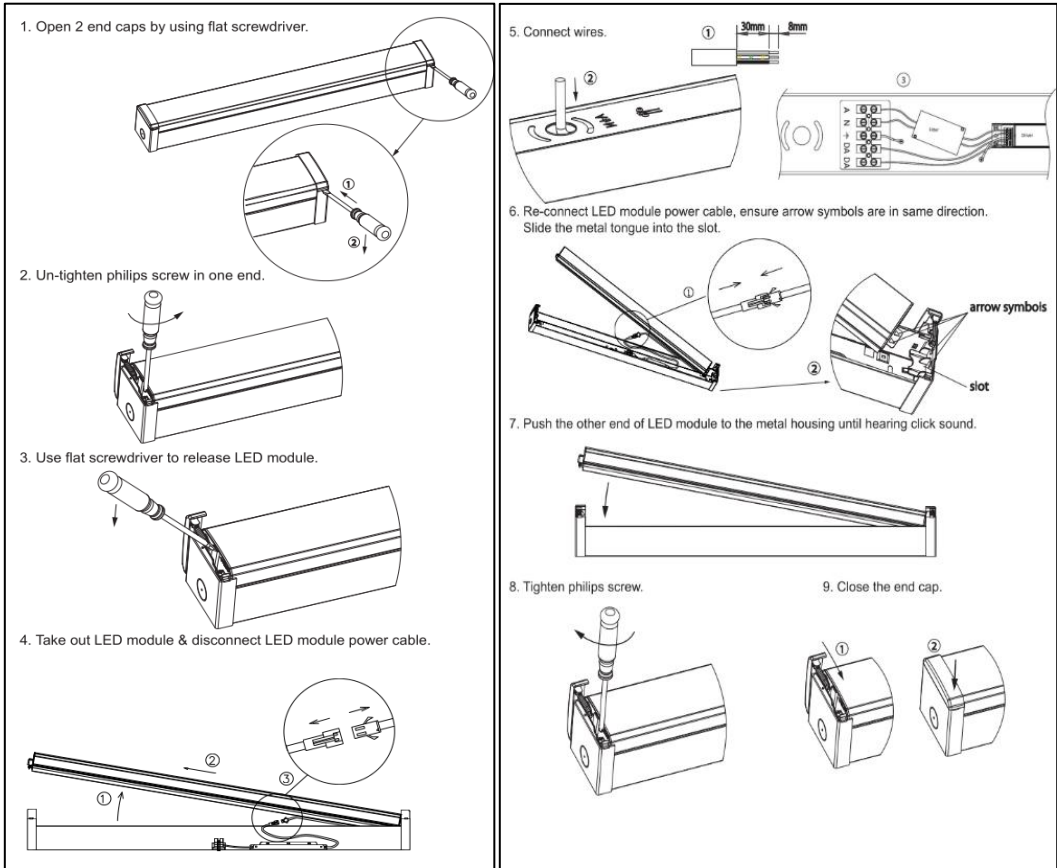


9. Close the end cap.





Standard Default Wiring Configuration



**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 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

**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.