

Alien Gen2



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), THESE INSTRUCTIONS 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; PIERLITE RESERVES

THE RIGHT TO AMEND THE INSTRUCTIONS WITHOUT NOTICE. UPDATED GUIDELINES CAN BE FOUND ON 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. PIERLITE IS NOT RESPONSIBLE FOR ANY PRODUCT NOT MAINTAINED IN ACCORDANCE WITH THE RECOMMENDED PROCEDURES. ALL PRODUCTS SHOULD BE THOROUGHLY CLEANED ON A REGULAR BASIS TO ENSURE 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:

Type of protection	Class I luminaire
IP rating	IP66
IK rating	IK10, IK06 – lens (optics)
Nominal voltage	240V
Nominal frequency	50 Hz
Available wattages	Please refer to section 4
Power factor	>0.9
Inrush current	Cold start 4A @ 28µs (measured at 50% Ipeak) at 230VAC
Earth leakage	0.2mA
Rated operating ambient temperature	0 to +50°C
LED lifetime (L70) rated	54,000 hours @ 50°C
Colour temperature	4000K
Colour rendering index (CRI)	80 (4000K)
LED control gear	DALI
Available in emergency	Yes, DALI and self-testing
Emergency battery technology	2-hour Lithium Iron Phosphate (LiFePO4)
Electrical connection	2.5mm ² 2c+e cable for mains and 2.5mm ² 3c+e 1KV heavy duty cable for emergency, must be 10mm diameter for IP66 rating
Cable entry	1x 20mm
Installation orientation	27mm to 34mm spigot
Dimensions (LxWxH)	275 x 157 x 158
Net weight of luminaire	3.5kg

2. Replaceable Maintenance Components

Description	QTY Required Per Fitting	Brand	Component Part Number
2 hour Lithium Iron Phosphate (LiFePO4)	1	Pierlite	DGLCEM3200/1L11

3. LUMINAIRE METHODOLOGY

Fitting Type	Wattage	Control gear	Colour Temperature	Emergency	Optics	Lead Length
ALN = Alien	30 = 30W (Main only)	D = DALI	4 = 4000K	M = Maintained Emergency	T2= Type 2 T3B = Type 3-B	4 = 4 meters
	35 = 30W + 5W (Main + Emergency only)					

4. ELECTRICAL CHARACTERISTICS

SKU To Order	System Wattage (W)	Line Current (A)	Power Factor	Colour Temperature (K)	Emergency
ALN30D4T24	30	0.129	>95	4000	No
ALN30D4MT24	35	0.15			Yes
ALN30D4T3B4	30	0.129			No
ALN30D4MT3B4	35	0.15			Yes

5. DALI CONTROL GEAR: The LED driver and emergency control gear are controllable through an industry standard DALI. A DALI connection is not required in a non-systemized electrical system, if DALI is not required you do not need to 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. 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 all current AS/NZS60598 "Luminaires, general requirements and tests".



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

8. 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.

9. 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 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.

10. 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:

- a) Isolate the supply circuit as per the Australian standard and your SWMS.
- b) Connect cable diameter of no less than must be 10mm diameter for IP66 rating if luminaire chosen is not supplied with cable
- c) Insert cable into pole or spigot
- d) Place fitting onto pole or spigot
- e) Open the luminaire gear cover by unclipping the two clips
- f) Secure the luminaire to the pole or spigot by tightening the two bolts. A 13mm socket will be required to tighten these bolts.
- g) Close the control gear cover and secure by closing the clips
- h) Connect the supply wires to the cable supplied with the luminaire. Ensure sure all connection, cabling and the installation complies to AS3000 and local wiring rules.
 - Note:** Ensure the correct wires go to the correct terminals as per below
 - Luminaire with only general/mains lighting
 - Connect to active, earth and neutral
 - Luminaire with emergency
 - Mains switched active to brown wire
 - Mains neutral to blue wire
 - Emergency to
 - Emergency active to white wire
 - The emergency neutral is a shared terminal with mains neutral
- i) Ensure the IP rating of the installation is equal to that of the tested IP rating of the fitting, this includes installing the supply cable of no less than 10mm in diameter. **Note:** the IP rating of the fitting is IP66.
- j) Test fitting as per the relevant Australian standard and as per your SWMS.

11. 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.

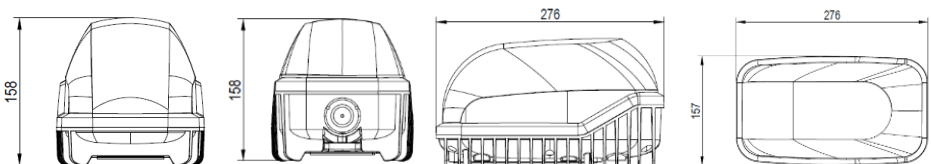
In case of a replacement, same brand and type of battery pack must be used. Allow 24 hours charging time before carrying out any discharge tests.

Charge Duration: 16 Hours

Discharge Duration: 2 Hours (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.

11. Line Diagrams



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 of 50,000 hrs. in standby mode. The battery is supported with a standard **Four (4) year 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.

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

Warranty period - The above components are provided with a warranty of **Five (5) years** 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 Pty Ltd, 96 Gow Street Padstow NSW 2211, phone T 1300 799 300 contact - 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 (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.