

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:			
Item code	PLHB120D4G3, PLHB120D5G3		PLHB200D4G3, PLHB200D5G3
Type of protection	Class I luminaire		
IP rating	IP65		
IK rating	IK08		
IC rating	N/A		
Nominal voltage	220V to 240Vac		
Nominal frequency	50/60 Hz		
Number of wattages per fitting	Dali dimming		
Available wattages	Refer to table as below		
Power factor	>0.9		
Surge protection rating	L-N 6KV/3KA, L-E: 6KV/3KA, N-E: 6KV/3KA Maximum impulse voltage, 10KV (where SPD installed)		
Inrush current	Cold start 19.6A(twidth=338µs measured at 50% Ipeak) at 230Vac	Cold start 24A(twidth=536µs measured at 50% Ipeak) at 230Vac	
Earth leakage	0.392mA	0.522mA	
Rated operating ambient temperature	-25 to +50°C		
LED lifetime	- Rated 54,000 hours (L70/B10) +50°C - Reported 52,000 hours (L90/B10) @ +50°C	- Rated 54,000 hours (L70/B10) +50°C - Reported 52,000 hours (L90/B10) @ +50°C	
Colour temperature	4000K or 5000K		
Colour rendering index (CRI)	85		
LED control gear	Dali		
Available in emergency	N/A		
Emergency battery technology	N/A		
Electrical connection	Supplied with 1.7m long 3-core flex and plug and 1.7m long 2-core flex Dali line		
Cable type	Z		
Cable entry	N/A		
Installation type	Fixed		
Dimensions (LxWxH)	φ270 x 165mm	φ310 x 165mm	
Net weight of luminaire	1.75kg	2.1kg	
Warranty	5 years		
Suitability	Indoor and outdoor		
Suitable for rough service	Yes		

Product Code#	Power (W)	Line Current (A)	Lumen Output (lm)	CCT (K)
PLHB120D5G3	120	0.53	18822	5000K
PLHB120D4G3	120	0.53	18000	4000K
PLHB200D5G3	200	0.86	29768	5000K
PLHB200D4G3	200	0.86	30000	4000K

2. CONSUMABLES AND ACCESSORIES (ACCESSORIES TO BE PURCHASED SEPARATELY)		
Product Code	Accessories	Suitable for Pierlux DALI Highbay
PLHBBRKT	Surface mounting bracket kit 205mm x 180mm x 30mm	PLHB120D5G3 PLHB120D4G3 PLHB200D5G3 PLHB200D4G3
HBALREFL	Anodized aluminium reflector Ø435mm x 130mm	
HBPCREFR	Transparent polycarbonate reflector Ø410mm x 141mm	
HBPCLENS	Transparent PC reflector Lens to suit HBPCREFR Ø410mm x 34mm	
HBWG	Wireguards Ø290mm x 41mm	PLHB200D5G3 PLHB200D4G3
HBRODBRKT	Rod mount bracket black 275.5*239.9*218mm	

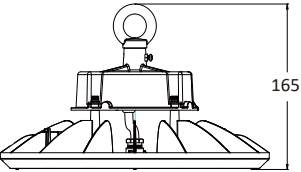
3. DALI CONTROL GEAR: The LED driver are controllable through the DALI control system. A DALI connection is not required in a non-syste mized electrical system. If DALI is not required, do not connect it.
Note: When designing the DALI system please refer to the table below for the number of DALI addresses.

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

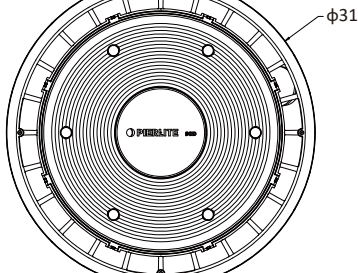
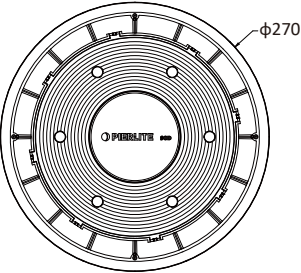
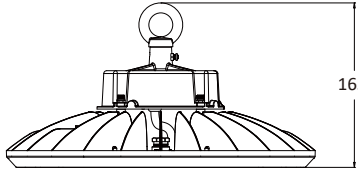
4. LINE DIAGRAMS AND DIMENSIONS

Item code	Diameter (mm)	Height (mm)	Weight in (kg)
PLHB120D5G3 PLHB120D4G3	210	165	1.75
PLHB200D5G3 PLHB200D4G3	310	165	2.1

PLHB120D4G3, PLHB120D5G3



PLHB200D4G3, PLHB200D5G3



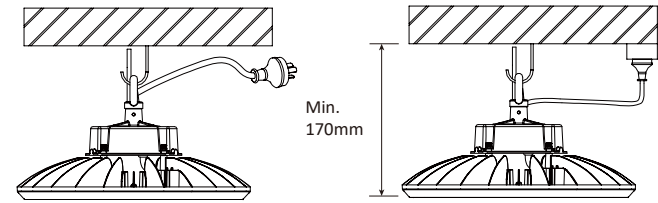
5. INSTALLATION / GENERAL: Installation of the product is to be completed by an authorized and licensed electrician, in accordance with these instructions, relevant Australia standards and local regulations (where applicable). Termination of product wiring, together with the installation of the product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

Installation:

Tools Required
• N/A

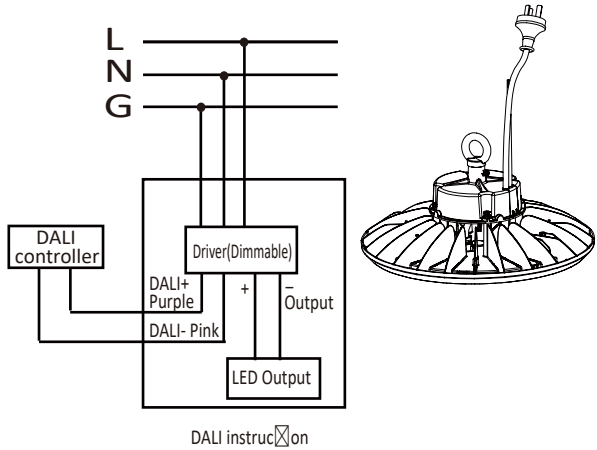
installation steps

Note: The safety lanyard(Op tional) must be connected to a separate reten on wire or chain than the luminaire suspension.



1. Hang the luminaire by the suspension ring to suitable fixed safety hook or closed link chain.
2. Plug into power socket.

Note: If there are Dali controller, please connect Dali line as next wire drawing.



Warning: The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

6. 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.

7. 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”.

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

9. 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.

10. 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) 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.
(d) Cables or cords, if any external cable or cord of the X or Y type luminaire is damaged, it shall be replaced by a by a qualified person or manufactures 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: A specially prepared flexible cable or cord, may also include a part of the luminaire and only available from manufacture.
- Y: Attachment may be used either with ordinary or special flexible cable or cord.
- Z: Attachment of cable or cord that cannot be replaced without damage to luminaire

WARRANTY INSTRUCTIONS: For the 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 - Signify, Level 9, 5 Rider Blvd, Rhodes, Sydney, NSW 2138, PHONE T 1300 799 300 - Signify Customer Service.

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

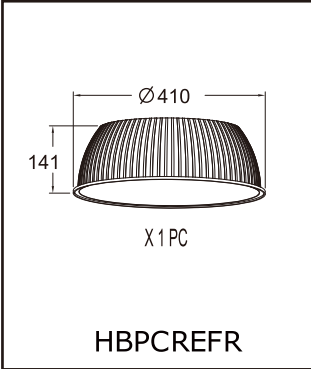
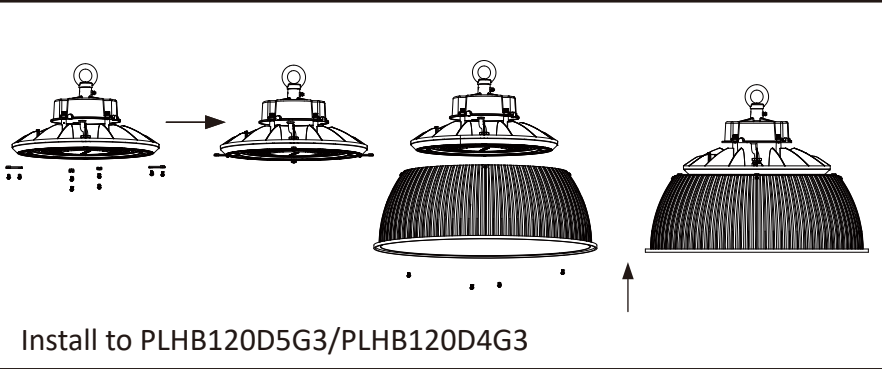
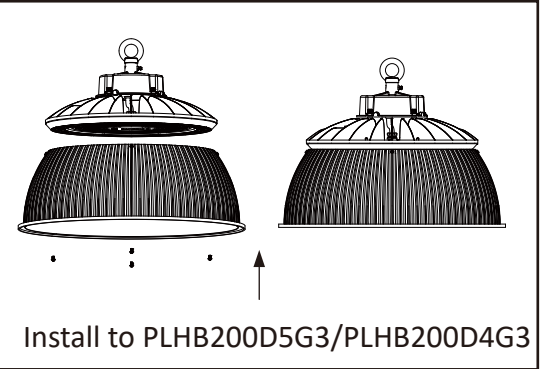
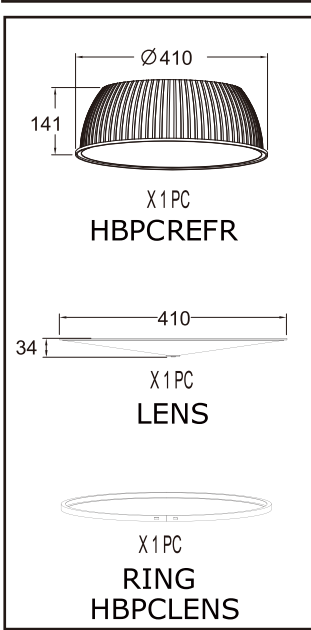
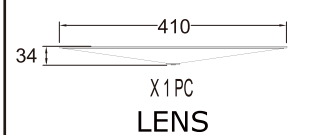
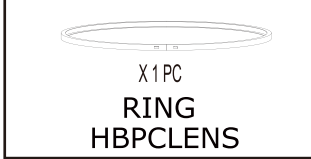
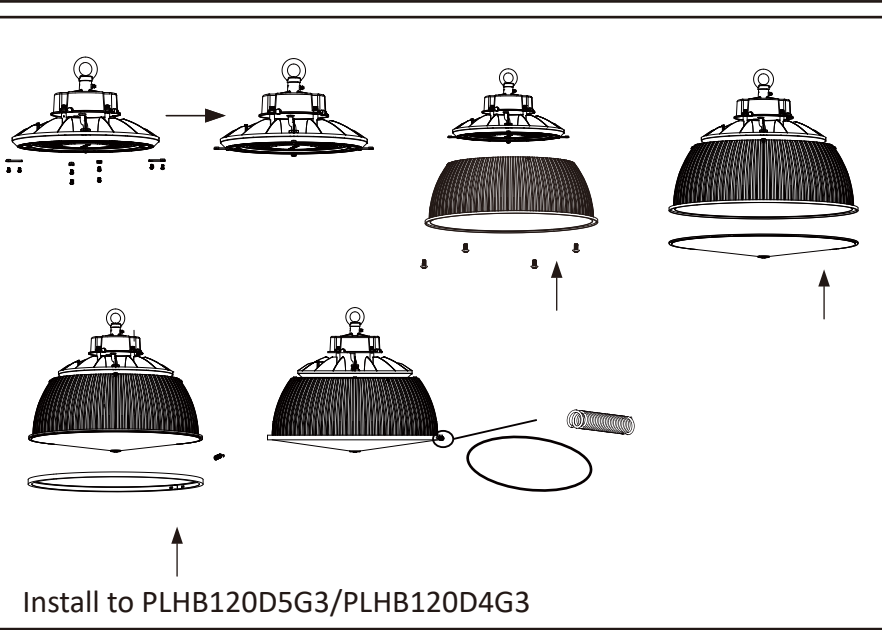
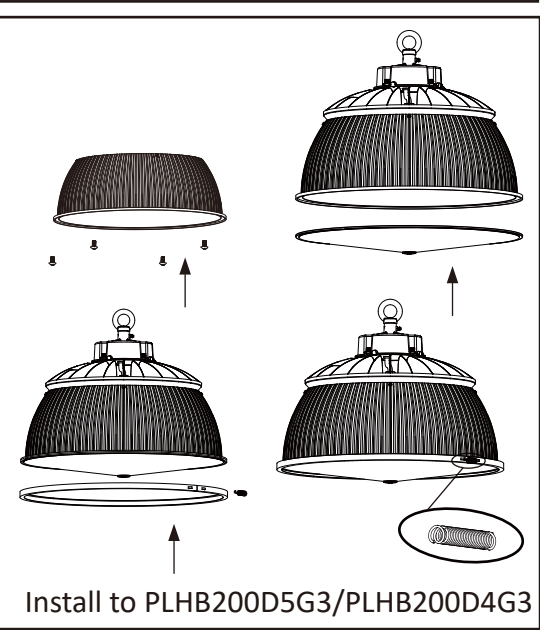
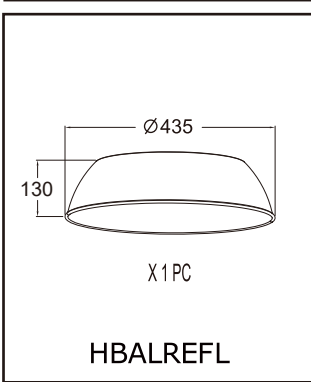
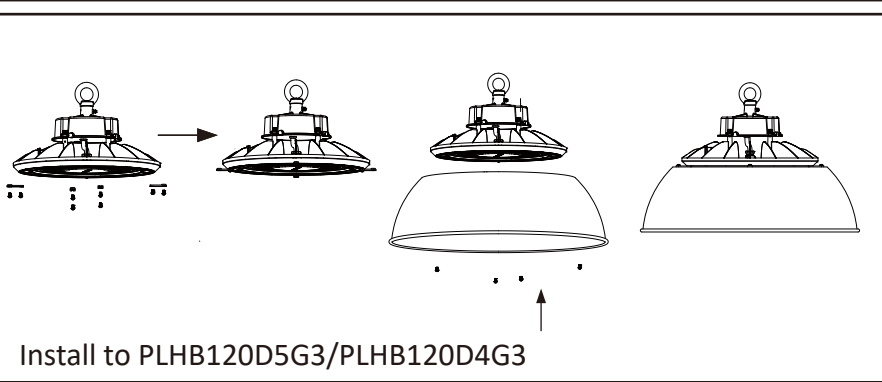
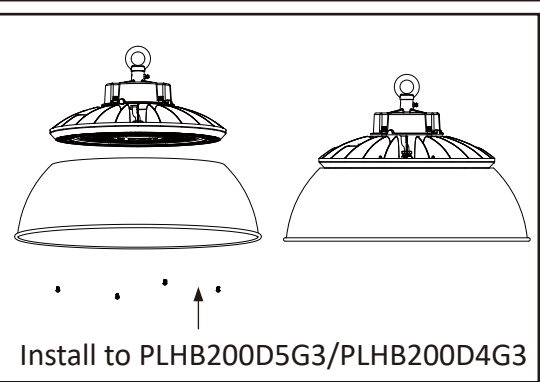
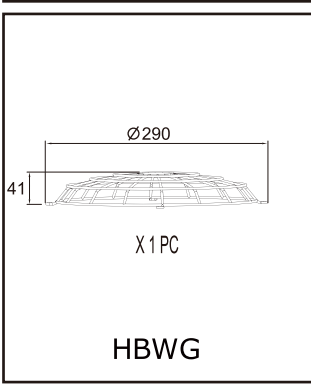
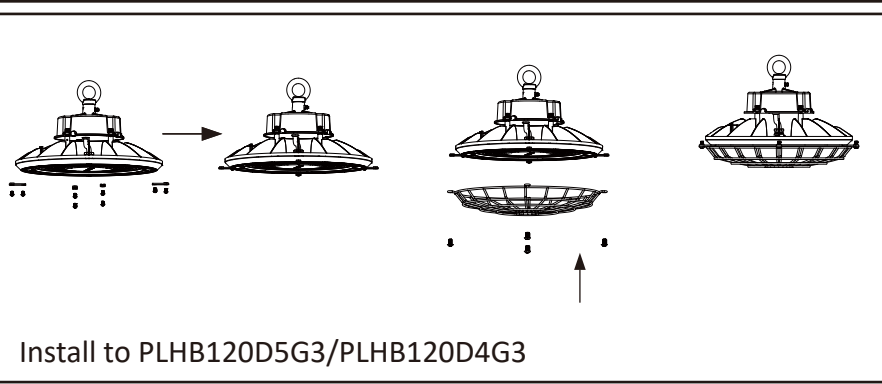
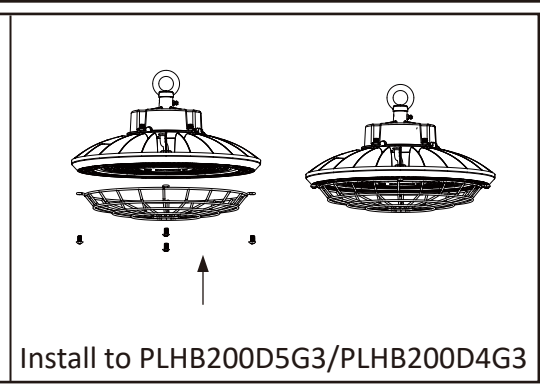
- Contact the “point of contact” above and upon provision of proof of purchase the customer will receive a goods return advice (GRA) number.
- At the customer’s expense, collect and return the goods to the “point of contact” with the issued GRA number.
- Upon receipt of the goods, Pierlite will review 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.

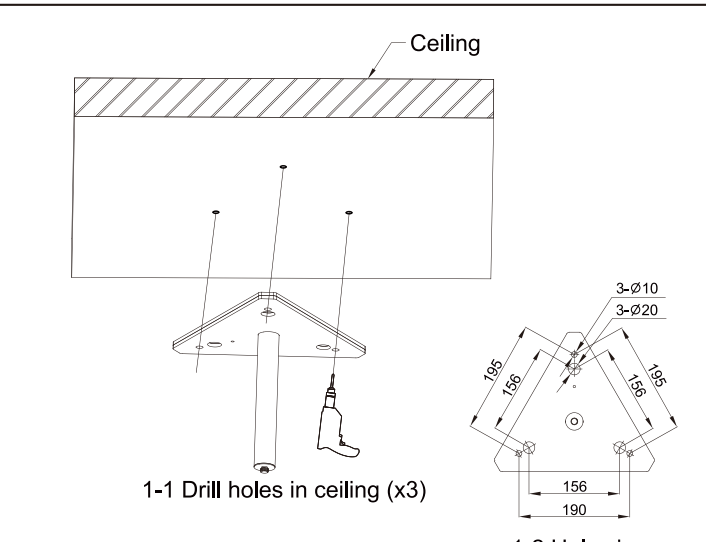
Consumer Contracts - The benefits to the customer given by the Pierlite warranty are in addition to other rights and remedies of the customer if the goods are the subject of a Consumer Contract under the Australian Consumer Law. In that event the following statement is required to be brought to the Consumer’s 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.

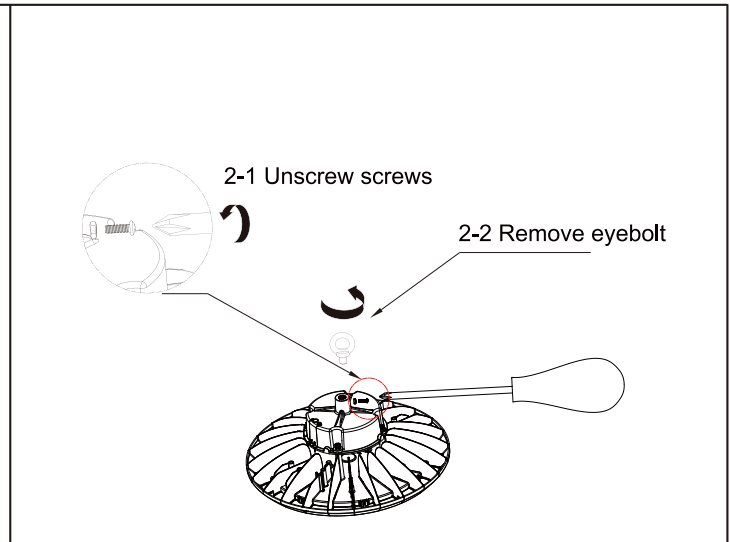
ACCESSORIES (TO BE PURCHASED SEPARATELY – Line drawings installation could also be found in the individual accessories pack).

 HBPCREFR	PLHB120D5G3 PLHB120D4G3  Screws TM4X6 X 8 PCS  BRK For REF X 4 PCS PLHB200D5G3 PLHB200D4G3  Screws TM4X6 X 4 PCS	 Install to PLHB120D5G3/PLHB120D4G3	 Install to PLHB200D5G3/PLHB200D4G3
 X 1 PC HBPCREFR  X 1 PC LENS  X 1 PC RING HBPCLENS	PLHB120D5G3 PLHB120D4G3  Screws TM4X6 X 8 PCS  BRK For REF X 4 PCS  Spring X 1 PCS PLHB200D5G3 PLHB200D4G3  Screws TM4X6 X 4 PCS  Spring X 1 PCS	 Install to PLHB120D5G3/PLHB120D4G3	 Install to PLHB200D5G3/PLHB200D4G3
 HBALREFL	PLHB120D5G3 PLHB120D4G3  Screws TM4X6 X 8 PCS  BRK For REF X 4 PCS PLHB200D5G3 PLHB200D4G3  Screws TM4X6 X 4 PCS	 Install to PLHB120D5G3/PLHB120D4G3	 Install to PLHB200D5G3/PLHB200D4G3
 HBWG	PLHB120D5G3 PLHB120D4G3  Screws TM4X6 X 8 PCS  BRK For REF X 4 PCS PLHB200D5G3 PLHB200D4G3  Screws TM4X6 X 4 PCS	 Install to PLHB120D5G3/PLHB120D4G3	 Install to PLHB200D5G3/PLHB200D4G3



1-1 Drill holes in ceiling (x3)

1-2 Hole size



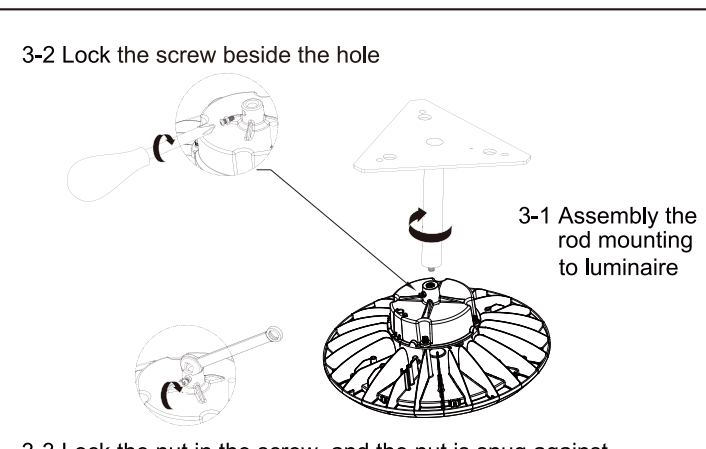
2-1 Unscrew screws

2-2 Remove eyebolt

1. Drill 3 holes in ceiling.

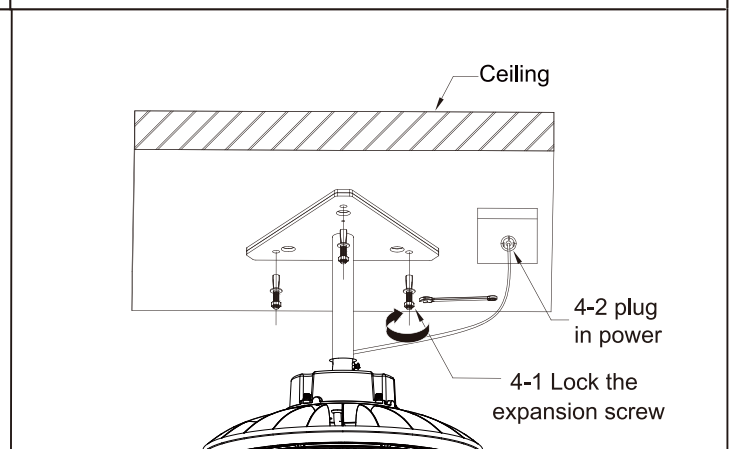
HBRODBRKT

3-2 Lock the screw beside the hole



3-1 Assembly the rod mounting to luminaire

3-3 Lock the nut in the screw, and the nut is snug against the light fixture

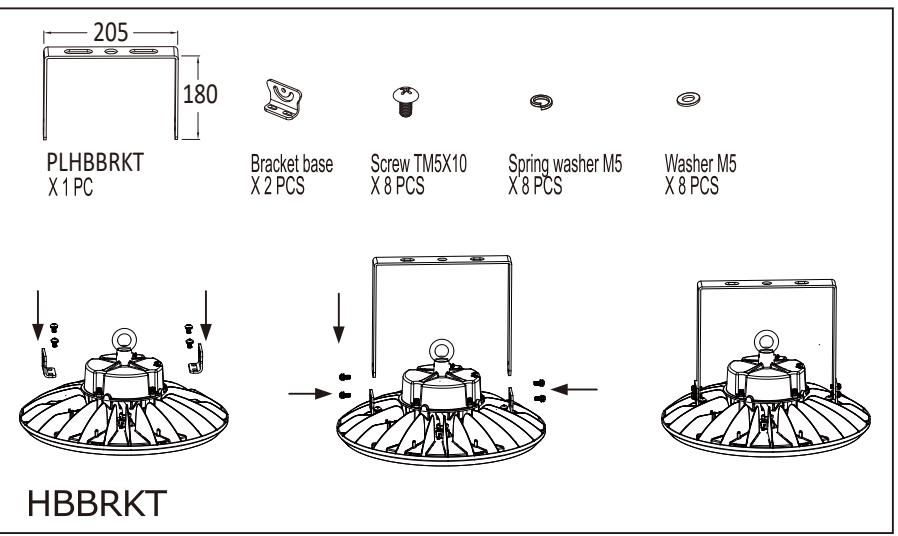


4-2 plug in power

4-1 Lock the expansion screw

3. Assembly the rod mounting to luminaire.

4. Install the luminaire on the ceiling with 3 expansion screws, then plug in power.



PLHBBRKT X 1 PC

Bracket base X 2 PCS

Screw TM5X10 X 8 PCS

Spring washer M5 X 8 PCS

Washer M5 X 8 PCS

HBBRKT

PIERLUX HIGHBAY

MOUNTING ACCESSORIES



PART NUMBER	MOUNTING BRACKET/ ACCESSORY	MANUFACTURED FROM	SECURED BY	COMPATIBLE WITH	IMAGES
HBBRKT	Surface mount kit	Powdercoated Steel	Supplied screws	120W & 200W Eco Highbay Gen8 Sensor Highbay Gen8 Emergency Highbay Gen8	
HBRODBRKT	Rod Suspension - 200mm long. Can Be used with dust cover	Powdercoated Steel	Remove Eyelet, screw screw into highbay	120W & 200W Eco Highbay Gen8 Sensor Highbay Gen8 DALI Highbay Gen3 Emergency Highbay Gen8	
HBWG	Wireguard	Powdercoated Steel	Supplied screws and brackets	120W & 200W Eco Highbay Gen8 Sensor Highbay Gen8 DALI Highbay Gen3 Emergency Highbay Gen3	
HBPCREFR	Refractor	Polycarbonate	Supplied screws and brackets	120W & 200W Eco Highbay Gen8 Sensor Highbay Gen8 DALI Highbay Gen3 Emergency Highbay Gen3	
HBPCLENS	Refractor Lens	Polycarbonate & Aluminium	Aluminium ring	For use with HBPCREFR	
HBALREFL	Reflector	Aluminium	Supplied screws	120W & 200W Eco Highbay Gen8 Sensor Highbay Gen8 DALI Highbay Gen3	
ECOHBSFHF	Sensor - ON/OFF control	Steel & Plastic	Supplied screws	120W & 200W Eco Highbay Gen8	
PRC11	Sensor programming remote	Plastic		Used to program ECOHBSFHF	
HBGRIP2MKIT	Suspension kit 2 metre	Stainless Steel	Supplied kit	All Highbays	