

LED Highbay Installation Instructions

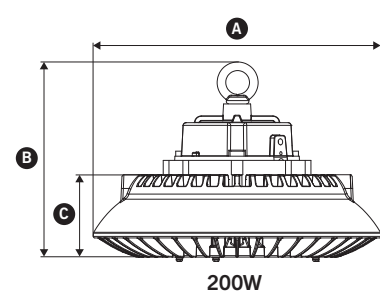
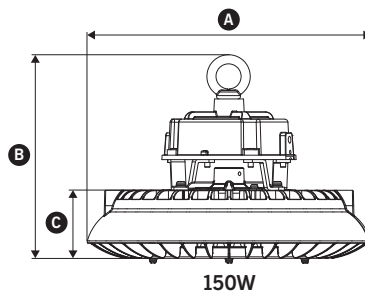
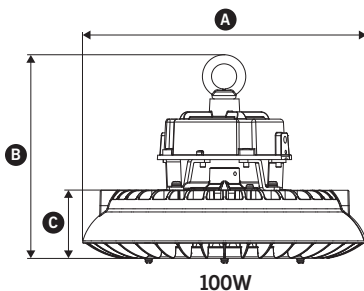


Please read these instructions carefully before installation
Leave a copy for the user/maintenance engineer for future reference

Important Safety Information

- It is recommended that this fitting is installed, inspected and maintained by a qualified Electrician.
- Installation should be carried out in accordance with the latest edition of the IET Wiring Regulations (BS 7671) and the latest Building Regulations. If in doubt, consult a qualified electrician.
- These products are designed for connection to a 220-240V ~ 50/60Hz mains supply.
- Before commencing any installation or maintenance work, ensure that the electricity supply is disconnected / isolated.
- Ensure that all electrical connections are tight with no loose strands including factory made connections.
- Please note the IP rating of this luminaire when deciding the location for installation.
- This luminaire is suitable for indoor and outdoor use.
- This luminaire has a 1-10V dimmable driver as standard.
- This is a class I construction luminaire which must be earthed.
- Suitable for use in ambient temperatures of -40°C to +50°C.
- Do not cover this product. The heatsink of the Highbay is specifically designed so that air can circulate through the apertures of the cooling fins to maintain its thermal management properties. Regular cleaning and maintenance cycles are recommended to remove any materials which may settle on the product and restrict the airflow.
- MCBs may require uprating to allow for increased initial inrush current.
- This product contains a light source of energy efficiency class D.
- The LED light source fitted in this product is non-replaceable.

Highbay range



Technical Specifications

Part No.	Description	Wattage	Measurement A x B x C	Weight	Dimmable Function	Lumen Output	IP Rating	Power Factor	CRI	Colour Temperature
Highbay										
LXHBC100BCW	LED Highbay 120° - Black	100W	275 x 198 x 66mm	3.2Kg	1-10V	15000Lm	IP65	> 0.90	>80	5000K
LXHBC150BCW	LED Highbay 120° - Black	150W	275 x 198 x 66mm	3.2Kg	1-10V	22500Lm	IP65	> 0.90	>80	5000K
LXHBC200BCW	LED Highbay 120° - Black	200W	300 x 196 x 86mm	4.5Kg	1-10V	30000Lm	IP65	> 0.90	>80	5000K
Accessories										
LXHB-FL-60	PC Fresnel Lens - 60°	-	160 X 10mm	0.10 Kg	Replaces tempered glass cover for narrow beam angle					
LXHB-FL-90	PC Fresnel Lens - 90°	-	160 X 10mm	0.10 Kg	Replaces tempered glass cover for medium beam angle					
LXHB-REFM-60	Aluminium Reflector - 60°	-	355 X 150mm	0.40 Kg	Use in high mounting positions or narrow aisle areas					
LXHB-REFM-90	Aluminium Reflector - 90°	-	355 X 150mm	0.55 Kg	Use in medium to high mounting positions in open areas					
LXHB-REFA-70	Acrylic Reflector - 70°	-	410 X 275mm	1.10 Kg	Allows directional light spill through the translucent material					
LXHB-FPL	Frosted Polycarbonate Lens	-	155 X 5mm	0.10 Kg	Replaces tempered glass cover for use in food industry areas					
LXHB-WG	Wire Guard	-	180 X 25mm	0.20 Kg	Attach to Highbay lens ring for improved impact resistance					
Microwave Sensor										
LXHB-MSB-RC *	Microwave Sensor - Black				Motion and Daylight sensor, IP65, 1-10V Dim. Max 15m mounting height, Remote programmable					
LXHB-RC *	Remote Handset				Programmable remote control handset for use with LXHB-MSB-RC Sensor					

*Note - LXHB-RC is required to programme and set-up the Sensor LXHB-MSB-RC

Important Installation Information

Highbay Installation and Wiring Connections

The luminaire is supplied with a separate Suspension Fixing Ring **1** and is pre-wired with 1 metre of mains cable **2** as standard.

1. Select a mounting position for the luminaire. Always check that the site of the installation can support the weight of the Highbay and that suitable fixings/suspension materials are used when attaching to the suspension ring **1**.

2. Connect the luminaire cable **2** to the mains supply using a suitable junction box or connector to maintain the IP rating for the location.

3. Make the electrical connections as follows, ensure that the correct polarity is observed:

Live (L)	Brown or Red
Neutral (N)	Blue or Black
Earth (⊕)	Green/Yellow

This luminaire **MUST** be earthed. Keep all cables away from the luminaire housing.

4. Switch on the power supply and test the installation for satisfactory operation.

Do not cover the Highbay and make sure that adequate clearance is allowed at the rear of the fitting for sufficient air circulation.

1-10V Dimming Wiring Connection (Optional)

If dimming control is required, ensure that the dimming control cable **3** is connected to a 1-10V dimming system only.

1. Connect the dimming control cable **3** to the 1-10V dimming control system using a suitable junction box or connector to maintain the IP rating for the location.

2. Make the connections as follows, ensure that the correct polarity is observed:

Dim+	= Purple	Connect to the positive+ terminal of the 1-10V dimming system
Dim-	= Pink	Connect to the negative- terminal of the 1-10V dimming system

Cap off the dimming control wires if they are not used.

Aluminium Reflector Installation

1. Loosen the 3 protruding bolts **4** on the Highbay housing by 5mm.
2. Match the Keyhole slots **5** on the Aluminium Reflector **6** to the 3 raised bolts **4** then rotate the Reflector into position.
3. Re-tighten the 3 bolts **4** to secure the Reflector. Do not over-tighten the bolts or damage the Keyholes or Reflector surface.

IMPORTANT – Suspension Fixing Ring

The Suspension Fixing Ring is supplied separately inside the outer packing box. Ensure that the ring is fully inserted and securely screwed into the product housing prior to installation. The small security screw must also be inserted to ensure correct and safe installation.

220 - 240V~50/60Hz Class I ⊕

Mains cable

Live (L) Brown

Neutral (N) Blue

Earth (⊕) Green /Yellow

Dimming control 1-10V

Dim+ = Purple

Dim- = Pink

(Note: Dimming control is optional)

Accessory Installation

For **Fresnel Lens, Wire Guard, Surface Mount Bracket and Microwave Sensor**. Additional installation instructions can be found on the website or separate documents supplied with the product.

Acrylic Reflector Installation

1. Remove the 3 protruding bolts **4** from the Highbay housing.
2. Place the Reflector fixing ring **7** within the Acrylic Reflector **8** and align with the 3 fixing holes.
3. Replace the 3 bolts **4** through the fixing holes and re-tighten to secure the Reflector. Do not over-tighten the bolts or damage the Reflector surface.

Warranty

This product is protected by guarantee in the UK and EU for a period of 5 years warranty from the date of purchase against any defects in materials or workmanship. Should this product fail during the warranty period it will be repaired or replaced with the same or equivalent product free of charge, subject to providing the original receipt/invoice or proof of the original date of purchase and return of the faulty unit. If in our sole discretion, we are unable to repair or replace a defective product, we will refund the purchase price of the product. The warranty is invalid if in our judgment the product fails due to incorrect installation not conforming to our product instructions or installation within an improper working environment. The warranty will not apply if the product fails due to damage in storage, shipment, accident or misuse. Modification to the product in any way or removal of the batch number will void the warranty. Luxna Lighting does not accept responsibility for any installation, labour or travel costs which may be associated with the replacement or return of any faulty products. Our maximum liability under the terms of this warranty is limited to the purchase price of the product. Your statutory rights are not affected. Luxna Lighting reserves the right to alter product specifications without prior notification. Terms and conditions are also subject to change without prior notice.