

## 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

- Before commencing any installation or maintenance work, ensure that the electrical mains supply is isolated and circuit fuses are removed or switched off.
- 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.
- This product is designed for connection to a 220-240V~50/60Hz mains supply.
- Ensure that all electrical connections are tight with no loose strands including factory made connections.
- This luminaire is suitable for indoor and outdoor use.
- Please note the IP rating of this luminaire when deciding the location for installation. It is the installer's responsibility to ensure that the cable entry points and any grommets are correctly fitted and fully sealed to maintain the IP rating.
- This luminaire has a 0-10V dimmable driver as standard.
- This luminaire is suitable for use in ambient area temperatures of -40°C to +50°C.
- This is a class I construction luminaire.
- Do not cover this product. The heatsink of the Highbay is specifically designed so that air can circulate around 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 inrush current.
- This product contains sensitive electronic components which can be damaged by power surges or transient overvoltage. The 18th Edition Wiring Regulations stipulate that surge protection devices (SPDs) must be provided within the consumer unit where deemed necessary.
- Do not carry out insulation resistance tests with the luminaire connected to the circuit.
- The LED Control Gear contained in this luminaire shall only be replaced by the manufacturer or his service agent or similar qualified professional person.
- The LED light source fitted in this product is non-replaceable.
- This product contains a light source of energy efficiency class C.

#### Highbay range

Remove cover to access power selector switch

#### Selectable Power Switch Settings

SW1 3PS

Wattage

1 2 3

ON

See driver markings for switchable power output range

### Technical Specifications

Part No.	Description	Switchable Power Output	Measurement (W x Hmm)	Lumen Output (lm)	Beam Angle	Dimmable Function	IP Rating	CRI Ra	Weight	Colour Temperature
LXHB/100/4K	LED Highbay - Black	60/80/100W	285 x 160	9600/12800/16000Lm	120°	0-10V	IP65	>80	1.88kg	4000K
LXHB/150/4K	LED Highbay - Black	100/120/150W	285 x 160	16000/19200/24000Lm	120°	0-10V	IP65	>80	1.98kg	4000K
LXHB/200/4K	LED Highbay - Black	120/150/200W	310 x 165	19200/24000/32000Lm	120°	0-10V	IP65	>80	2.41kg	4000K

Accessories	Description	For use with product
LXHB/MWS*	Microwave Sensor (Zhaga)	Motion and Daylight sensor, IP65, 0-10V Dim, Max. 15M mounting height, remote programmable
LXHB/PIR*	PIR Sensor (Zhaga)	Motion sensor, IP65, 0-10V Dim, Max. 15M mounting height, remote programmable
LXHB/SRC	Sensor Remote Control	Sensor remote control programmer
LXHB/S/AR	70° Aluminium Reflector	Small aluminium reflector 70° beam angle
LXHB/L/AR	70° Aluminium Reflector	Large aluminium reflector 70° beam angle
LXHB/S/PCR	70° PC Reflector	Small polycarbonate reflector 70° beam angle
LXHB/L/PCR	70° PC Reflector	Large polycarbonate reflector 70° beam angle
LXHB/S/PCL	90° PC Lens	Small polycarbonate lens 90° beam angle
LXHB/L/PCL	90° PC Lens	Large polycarbonate lens 90° beam angle
LXHB/ASMBK	Surface Mount Bracket	Adjustable surface mount bracket kit

\*Note - LXHB/SRC is required to programme and set-up the Sensors LXHB/MWS & LXHB/PIR

# 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  
**Neutral (N)** Blue  
**Earth (⏏)** Green/Yellow  
This luminaire **MUST** be earthed. Keep all cables away from the luminaire housing.
4. Select the required power output (SW1) setting. Remove the cover on the front of the LED Driver module to locate the switch. The switch cover must be tightly secured to maintain the IP rating.
5. 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.

## 0-10V Dimming Wiring Connection (Optional)

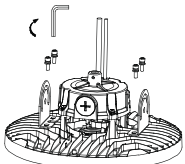
If dimming control is required, ensure that the dimming control cable **3** is connected to a 0-10V dimming system only.

1. Connect the dimming control cable **3** to the 0-10V 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 0-10V dimming system  
**Dim - = Pink** Connect to the negative- terminal of the 0-10V dimming system  
**Cap off the dimming control wires if they are not used.**

## Adjustable Surface Mount Bracket

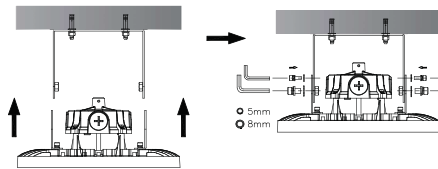
Mount the main bracket to a solid surface using screw bolts (supplied by others)

Fix the 2x smaller brackets securely to the housing with the 4x M5 screws.



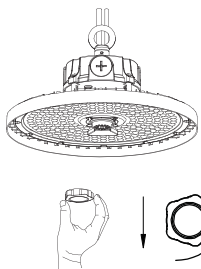
Align the 2x smaller brackets together with the main surface bracket. Fasten tightly using the 2x M5 screws and 2x M8 screws.

The angle position of the bracket can be adjusted prior to the final secure fix.

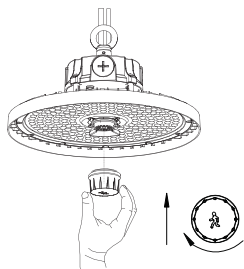


## Sensor Installation

Power off before installation  
Remove the Zhaga sensor cap



Install sensor into the socket.  
Rotate to secure into position.



Plug-in accessories are available for this product.  
Scan the QR codes below to view the full product details

**LXHB/MWS**  
Microwave Sensor (Zhaga)



**LXHB/PIR**  
Presence Sensor (Zhaga)

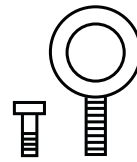


**LXHB/SRC**  
Sensor Remote Programmer



See Website for further warranty terms and conditions and details regarding the product warranty registration procedure.

**Warranty:** The 5 year standard product warranty against any defects in materials or workmanship commences from the original date of purchase. 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.



## 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

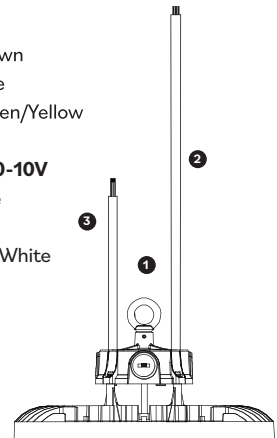
## Mains cable

Live (L) Brown  
Neutral (N) Blue  
Earth (⏏) Green/Yellow

## Dimming Control 0-10V

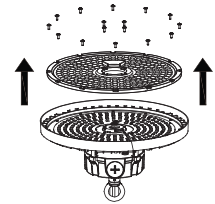
Dim + = Purple  
Dim - = Pink  
Aux+ = Black/White

(Note: Dimming control is optional)



## Lens Replacement

Unscrew the front screws and remove the lens from the housing



**Important** - Remove the 2x seal rings from the old lens. Insert them carefully into the same positions on the new lens

Replace the new lens on to the front of the housing using the screws, ensure that the seal rings are aligned into the correct positions.

