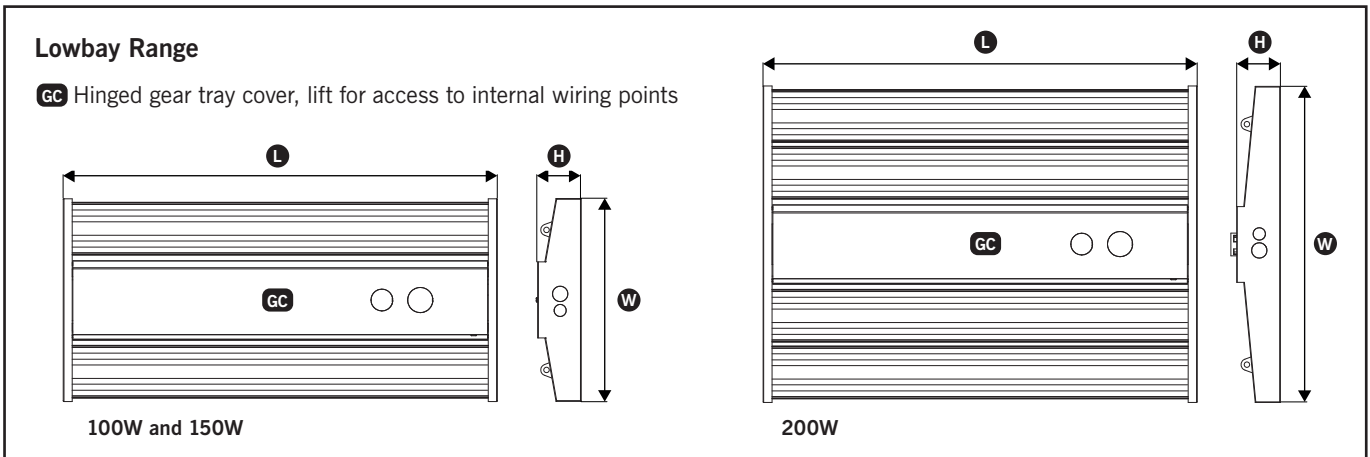


## LED Lowbay Installation Instructions

**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 electricity supply is disconnected / isolated.
- 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 local 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.
- Note the IP rating of this luminaire when deciding the location for installation.
- This luminaire is suitable for indoor use only.
- The LED Driver is 1-10V dimmable as standard.
- This is a class I construction luminaire which must be earthed.
- Suitable for use in ambient area temperatures of -40°C to +50°C.
- Do not cover the rear of this product or allow excessive build-up of dust/debris. The heatsink of the Lowbay is specifically designed so that air can circulate around 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.
- Do not carry out insulation resistance tests with the luminaire connected to the circuit.
- MCBs and circuit protection may require to be uprated to allow for increased inrush current.
- The LED light source fitted in this product is non-replaceable, the whole luminaire must be replaced when the LED reaches the end of its life.



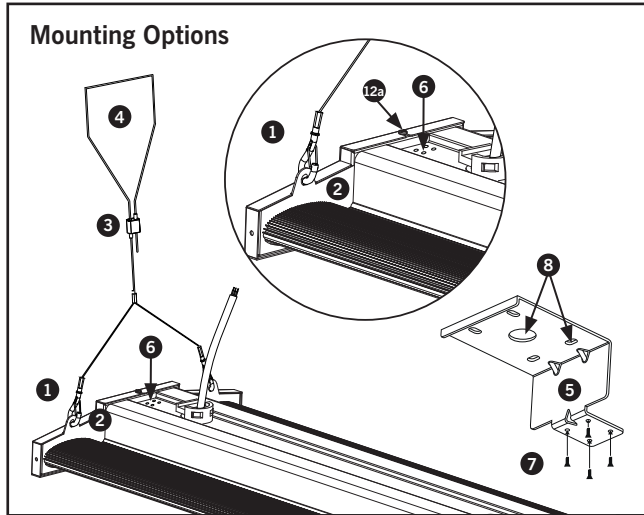
### Technical Specifications

Part No.	Description	Wattage	Measurement L x W x H	Dimmable Function	Lumen Output	IP Rating	Class Rating	Weight	Operating Temperature	Power Factor	CRI Ra	Colour Temp.
<b>Lowbay</b>												
LXLBL100WCW	LED Lowbay 120°	100W	578 x 270 x 58mm	1-10V	14500 Lm	IP20	Class I	2.65Kg	-40°C ~ +50°C	>0.95	80	5000K
LXLBL150WCW	LED Lowbay 120°	150W	578 x 270 x 58mm	1-10V	21750 Lm	IP20	Class I	2.80Kg	-40°C ~ +50°C	>0.95	80	5000K
LXLBL200WCW	LED Lowbay 120°	200W	578 x 420 x 58mm	1-10V	29000 Lm	IP20	Class I	4.38Kg	-40°C ~ +50°C	>0.95	80	5000K
<b>Bracket</b>												
LXLB-BMK	Surface Mount Kit	2x Brackets, 8x Screw - Direct to surface or trunking mounting										
<b>Microwave Sensor</b>												
LXLB-MSW-RC	Microwave Sensor	Motion and Daylight sensor, IP20, 1-10V dimmable, Max 15m mounting height - Remote Programmable										
LXLB-RC	Remote Control	Programmable remote control handset for use with LXLB-MSW-RC Sensor										

## Important Installation Information

### Lowbay Installation and Wiring Connections

1. Disconnect/Isolate the mains power supply before commencing installation.
2. Select a suitable mounting position for the luminaire. Always check that the site of the installation can support the weight of the luminaire and that suitable fixings/suspension materials are used.
3. Do not cover the luminaire and make sure that adequate clearance is allowed at the rear of the fitting for sufficient air circulation.



#### 4a. Wire suspension cable mounting

Use the accessory kits which are supplied with the product pack. Clip the suspension snap hooks **1** into the hanging bracket locations positioned at each corner of the luminaire end plates **2**. Adjust the cable to the required length using the ratchet clamp **3** max. length 1.5mtr. Loop the suspension cable around a suitable fixing point **4** or use an anchor fixing to mount the cable loop to a solid surface.

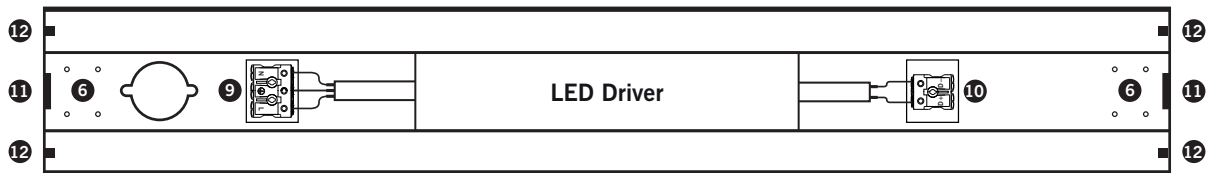
#### 4b. Direct surface or trunking mounting

Use the optional bracket accessory kit – LXLB-BMK. Mount the surface brackets **5** to the rear of the luminaire gear tray plate **6** using the screws provided **7**. Ensure that the brackets are securely fixed to the surface using the mounting points **8**.

#### 4c. Microwave sensor installation (Optional)

Sensors can be directly mounted through the end plates of the luminaire housing using the knock out points **11** on each side. Refer to the separate instruction document supplied with the sensor product.

### Internal Gear Tray Diagram



5. The luminaire is supplied with 1 metre of cable pre-wired to the terminal block **9**. Connect the cable to the mains supply using a suitable junction box or connector. Alternatively, wire external mains supply cables into the terminal block **9** and terminate as follows, ensure that the correct polarity is observed.

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

The terminal block will allow 'Loop in / Loop out' connection when required.

This is a Class I product which must be earthed. Keep all cables away from the luminaire housing.

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

### 1-10V Dimming Wiring Connection (Optional)

The LED Driver is suitable for connection to 1-10V dimming systems or sensors.

If dimming control is required, wire the external dimming cables into the terminal block **10** and terminate as follows, ensure that the correct polarity is observed:

- Dim +** Connect the positive + cable of the 1-10V dimming system or sensor to this terminal
- Dim -** Connect the negative - cable of the 1-10V dimming system or sensor to this terminal

### Polycarbonate Lens Cover

The lens covers for this product can be changed to produce alternative beam distributions. Detach one of the end plates **2** by removing the top screw **12a** and pressing inwards the end plate clamps **12**. Slide out the lens cover and replace it with the alternative lens. Reattach the end plate and ensure that all fixings are secure.

**Warranty:** This product is protected by guarantee in the UK 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.