LUXNA
LIGHTING

LED Floodlight V2
Installation Instructions

| 3 Year Warranty | LED | IP65 BODY/PIR | 5000K | 120° Beam Angle | LED Chip 75-85 lm/W | 50.000h | |
| 100-240VAC | 50/60 Hz | | | −25°C ~ +45°C | 0,5 m | CE | |

PIR Option | 110° | 10-12m | 5sec-10min | Motion Sensor | 2-1000 lux | PIR Override Function
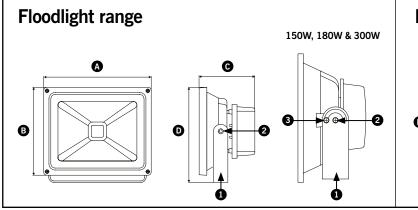

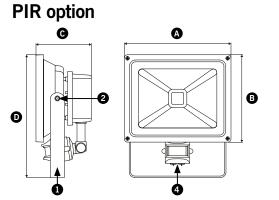**Please read these instructions carefully before installation**
Leave a copy for the user/maintenance engineer for future reference

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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 IEE 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 supply.

- Before commencing any installation or maintenance work, ensure electricity is disconnected / isolated.

- Important: 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 not suitable for indoor installations.

- This product is non-dimmable.

- This is a class I construction luminaire, MUST be earthed.

- The LED lamps fitted in this product are non-replaceable, the whole luminaire must be replaced when the LED reaches the end of its life.

- Care must be taken for installations where the glass cover or bezel may come into contact with bare skin.

Floodlight range

150W, 180W & 300W

PIR option

Technical Specifications

Part No.	Power (W)	PIR Sensor	Measurement A x B x C x D mm	Input Voltage	Lumen Output	Power Factor	RA	IP Rating	Weight kg	Colour Temperature
LXFL10WBV2	10	No	114 x 86 x 80 x 105	100-240VAC 50/60Hz	750	> 0.90	> 70	IP65	0.55	5000K
LXFL10WBV2-PIR	10	Yes	114 x 86 x 100 x 170	100-240VAC 50/60Hz	750	> 0.90	> 70	IP65	0.65	5000K
LXFL20WBV2	20	No	180 x 140 x 105 x 163	100-240VAC 50/60Hz	1700	> 0.90	> 70	IP65	1.10	5000K
LXFL20WBV2-PIR	20	Yes	180 x 140 x 105 x 210	100-240VAC 50/60Hz	1700	> 0.90	> 70	IP65	1.25	5000K
LXFL30WBV2	30	No	226 x 185 x 117 x 200	100-240VAC 50/60Hz	2600	> 0.90	> 70	IP65	1.80	5000K
LXFL30WBV2-PIR	30	Yes	226 x 185 x 117 x 260	100-240VAC 50/60Hz	2600	> 0.90	> 70	IP65	1.95	5000K
LXFL50WBV2	50	No	288 x 235 x 125 x 235	100-240VAC 50/60Hz	4500	> 0.90	> 70	IP65	2.50	5000K
LXFL50WBV2-PIR	50	Yes	288 x 235 x 125 x 300	100-240VAC 50/60Hz	4500	> 0.90	> 70	IP65	2.70	5000K
LXFL100WBV2	100	No	350 x 270 x 145 x 270	100-240VAC 50/60Hz	9000	> 0.90	> 70	IP65	4.95	5000K
LXFL150WBV2	150	No	425 x 325 x 180 x 325	100-240VAC 50/60Hz	13500	> 0.90	> 70	IP65	8.15	5000K
LXFL180WBV2	180	No	425 x 325 x 180 x 325	100-240VAC 50/60Hz	15500	> 0.90	> 70	IP65	8.20	5000K
LXFL300WBV2	300	No	500 x 400 x 200 x 400	100-240VAC 50/60Hz	26500	> 0.90	> 70	IP65	13.85	5000K

Important Installation Information

General Installation Safety

1. Employ the latest safety regulations and procedures to ensure the safe installation of this floodlight.

2. Please make sure that you are safe when working at height.

3. Correct circuit protection for all exterior electrical services should include a residual current device (RCD)

4. Always check whether the site of the installation can support the weight of the floodlight.

5. Take note of the nearest illuminated surface as detailed on the product label.

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

Installation Instructions

1. Select the required mounting position for the floodlight.

2. Remove the mounting bracket ❶ from the floodlight.

3. Position and fix the mounting bracket ❶ to a suitable solid surface using the appropriate screws and wall plugs, sufficient to take the weight of the floodlight.

4. Replace the main body of the floodlight and secure it to the installed bracket using the adjustable Allen bolts ❷ .

5. An additional security Allen bolt fixing is supplied ❸ (150w, 180w & 300w only). Tilt the floodlight to the required angle and ensure that both Allen bolts ❷ and ❸ are retightened.

6. The floodlight is supplied pre-wired with 1 metre of cable. The cable should be installed with an adequate `Drip loop` to prevent ingress of moisture through the cable gland. Care should be taken so that cables are not trapped between the base mounting bracket ❶ and the floodlight.

7. Connect the floodlight to the mains supply with a suitable junction box enclosure or connection fitting, making sure that any exposed connections and joints are sufficiently weatherproofed.

8. Then make the electrical connections as follows, observing the correct polarity:

LIVE	(L)	**BROWN** to terminal marked L
NEUTRAL	(N)	**BLUE** to terminal marked N
EARTH	(⏚)	**GREEN/YELLOW** to terminal marked ⏚

   WARNING – THIS FITTING MUST BE EARTHED

9. Ensure that there are no exposed conductors, loose or trapped cable strands.

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

PIR Option

Functions and Dial settings:

Detection angle = 110°

Detection range = 10m-12m (When mounted between 2m/3m height)

There are two rotary dials on the base of the PIR unit which control Daylight and Time settings ❹.

Dial 1 = Daylight/Lux setting / Adjustable range, 2 Lux-1000 Lux.

Dial 2 = Time setting / Adjustable range, 5 seconds-10 minutes.

Rotate the dial in the direction of the + marker to increase the setting.

Rotate the dial in the direction of the − marker to decrease the setting.

Override function

The PIR unit has an Override function which can be operated by a wall switch which controls the incoming live supply.

To activate this function, follow the switching sequence:

1. Switch power ON to the fitting and wait for 10 seconds. Then switch the power OFF and then back ON again within 2 seconds. The fitting should now remain on for a longer period.

2. To reset the fitting back to automatic sensor mode switch the fitting OFF and wait for 10 seconds. Then switch the fitting back ON to activate the reset mode.

Maintenance

1. Please make sure that power is switched off before starting any maintenance procedures.

2. In order to maintain good even light coverage, the front glass cover should be cleaned regularly.

3. For optimum performance and heat dissipation, the floodlight housing should also be cleaned regularly.

4. Please take care when cleaning the glass or floodlight housing. DO NOT use water or cleaning solutions, cleaning should be done with a clean dry cloth.

Warranty

This product is guaranteed in the EU for a period of 3 years from the date of purchase. The guarantee is invalid in the case of improper use, installation, tampering, removal of the QC/batch code label, installation in an improper working environment or installation not according to the current edition of the IEE Wiring Regulations (BS 7671). Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Luxna Lighting does not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. Luxna Lighting reserves the right to alter product specifications without prior notification.