

LED Floodlight Installation Instructions

PIR Option

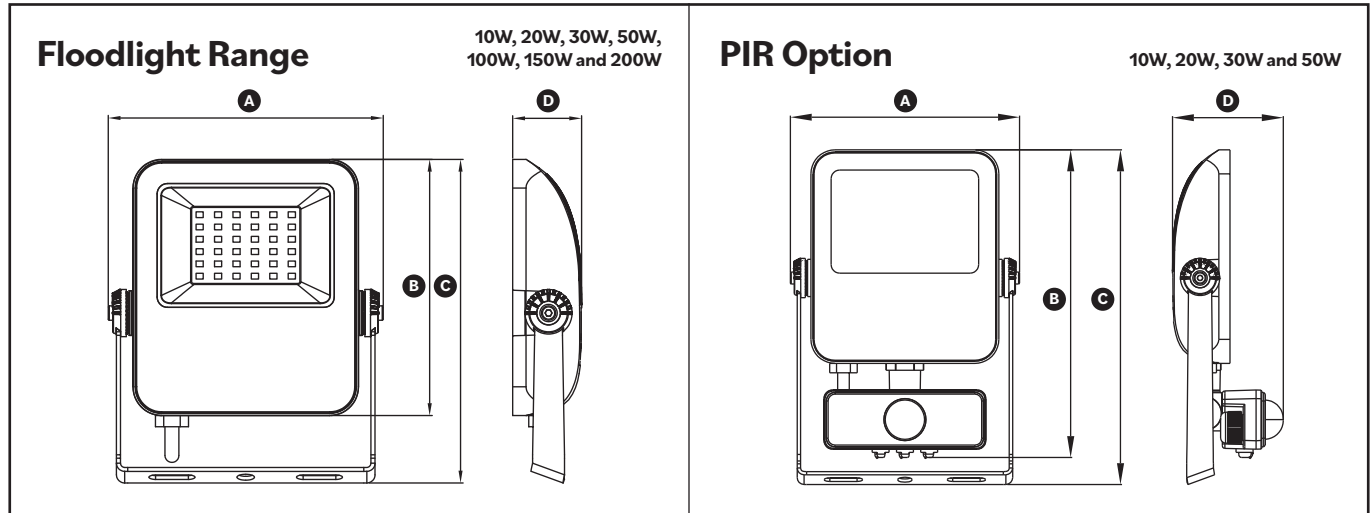


Please read these instructions carefully before installation
Leave a copy for the user/maintenance engineer for future reference



Important Safety Information

- It is recommended that this luminaire 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 supply.
- Before commencing any installation or maintenance work, ensure that the electrical mains supply is isolated and circuit fuses are removed or switched off.
- 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 which must be Earthed.
- This luminaire is suitable for use in ambient temperatures of -20°C to +45°C.
- MCBs may require to be uprated to allow for increased initial 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 any insulation resistance tests with the luminaire connected to the lighting circuit.
- The LED light source and Control gear are non-replaceable. They can be removed without being permanently damaged by a professional person for audit purposes only.
- This product contains an LED light source of energy efficiency class E.



Technical Specifications

Part No.	Description	PIR Sensor	Wattage	Measurement A x B x C x D mm	Lumen Output	IP Rating	Power Factor	CRI	Weight kg	Colour Temperature
LXFL10BNW	LED Floodlight	No	10W	110 x 100 x 133 x 31	1200Lm	IP65	>0.70	>80	0.33	4000K
LXFL10BNW-PIR	LED Floodlight	Yes	10W	110 x 155 x 171 x 62	1200Lm	IP65	>0.70	>80	0.43	4000K
LXFL20BNW	LED Floodlight	No	20W	117 x 110 x 143 x 33	2400Lm	IP65	>0.90	>80	0.40	4000K
LXFL20BNW-PIR	LED Floodlight	Yes	20W	117 x 165 x 182 x 64	2400Lm	IP65	>0.90	>80	0.50	4000K
LXFL30BNW	LED Floodlight	No	30W	134 x 125 x 158 x 34	3600Lm	IP65	>0.90	>80	0.50	4000K
LXFL30BNW-PIR	LED Floodlight	Yes	30W	134 x 180 x 196 x 65	3600Lm	IP65	>0.90	>80	0.60	4000K
LXFL50BNW	LED Floodlight	No	50W	174 x 160 x 200 x 43	6000Lm	IP65	>0.90	>80	0.86	4000K
LXFL50BNW-PIR	LED Floodlight	Yes	50W	174 x 216 x 235 x 70	6000Lm	IP65	>0.90	>80	0.96	4000K
LXFL100BNW	LED Floodlight	No	100W	272 x 265 x 315 x 60	12000Lm	IP65	>0.90	>80	3.15	4000K
LXFL150BNW	LED Floodlight	No	150W	297 x 300 x 350 x 60	18000Lm	IP65	>0.90	>80	3.75	4000K
LXFL200BNW	LED Floodlight	No	200W	347 x 360 x 408 x 60	24000Lm	IP65	>0.90	>80	5.00	4000K

General Installation Safety

1. Employ the latest safety regulations and procedures, especially when working at height.
2. Correct circuit protection for all exterior electrical services should include a residual current device (RCD)
3. Do not mount the product adjacent to any source of heat or air conditioning units.
4. If mounting close to cameras or surveillance equipment, do not aim the beam directly at the camera and always mount the floodlight at a distance >1.5 metres away to avoid potential glare or interference.
5. Do not cover the floodlight or allow any materials to settle on the housing. Ensure that adequate clearance is allowed at the rear of the fitting for sufficient air circulation at all times

Installation Instructions

1. Always switch off and isolate the mains power supply before commencing installation.
2. Unscrew the side fixing bolts and remove the mounting bracket from the floodlight.
3. Position and fix the mounting bracket to a suitable solid surface using the appropriate screws and wall plugs which are sufficient to support the weight of the floodlight.
4. Replace the main body of the floodlight and secure it to the installed bracket using the side fixing bolts.
5. The floodlight is supplied pre-wired with mains 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 mounting bracket and the floodlight.
6. Connect the floodlight to the mains supply with a suitable junction box enclosure or similar connection fitting. Ensure that any exposed connections and joints are sufficiently weatherproofed to maintain the IP65 rating.
7. 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
8. Ensure that there are no exposed conductors, loose or trapped cable strands.
9. Switch on the power supply and test the installation for satisfactory operation.

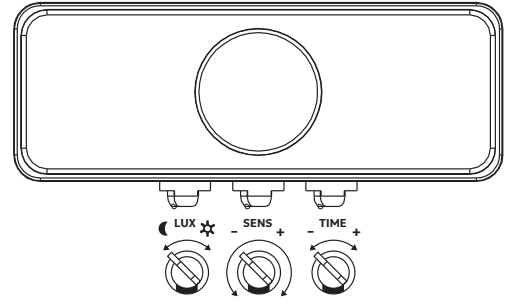
Maintenance

1. Ensure 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. Take care when cleaning the glass or floodlight housing. Do not use solvents or cleaning solutions, clean with a cloth and water only.

PIR Option

There are three rotary dials on the base of the PIR Sensor which can be adjusted to control:

Ambient light level (LUX), Detection/sensitivity range (SENS) and Timer delay (TIME).



Daylight/LUX setting: Adjustable <3-2000LUX

Rotate the dial in the direction of the SUN (Daylight) symbol to increase the ambient light setting. Rotate the dial in the direction of the MOON (Dusk) symbol to decrease the ambient light setting.



Detection sensitivity range: Adjustable distance, 2-8m when installed at 1.8m-2.5m height

Rotate the dial in the direction of the + marker to increase detection distance. Rotate the dial in the direction of the - marker to decrease the detection distance.



Timer delay setting: Adjustable 10 seconds to 7 minutes

Rotate the dial in the direction of the + marker to increase the time the light remains on. Rotate the dial in the direction of the - marker to decrease the time the light remains on.



The PIR unit has an Override Function which can be manually controlled.

In normal mode the sensor turns the light ON and OFF automatically. The manual override function allows the light to be permanently switched ON and disables the sensor function.

To activate this function, follow the switching sequence:

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

To reset the fitting back to automatic sensor mode:

Switch the fitting OFF and wait for 10 seconds. Then switch the fitting back ON once only to activate the reset mode.

PIR Testing

1. Rotate the SENS dial clockwise to the maximum + marker, rotate the TIME dial anti-clockwise to the minimum - marker, rotate the LUX dial clockwise to the maximum SUN symbol.
2. When you switch on the power, the fitting will not illuminate. After a 30 second pre-heat, when the sensor receives an induction signal, the load will turn on. Once the load switches off, it will then turn back on again within 5-15 seconds of the sensor receiving an induction signal.
3. After the sensor turns off, trigger the detection field after 5-10 seconds, then the load will turn on. When there are no induction signals received by the sensor, the fitting will not illuminate.
4. Rotate the LUX dial anti-clockwise to the maximum MOON symbol. If it is adjusted to less than 10 LUX (Dusk), the load and sensor should not work when testing in daylight. If you cover the PIR Sensor the load should work. If no further induction signal is received, the load should stop working within 5-15 seconds.

Note: When testing the PIR in daylight turn the LUX dial to the maximum SUN symbol, otherwise the sensor will not function correctly.

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