

Economy LED Floodlights with PIR (4th Wire) Installation Instructions P. 1



For models: LEDFLE10BPIR, LEDFLE10BPIR-31, LEDFLE20BPIR,
LEDFLE20BPIR-31 LEDFLE30BPIR, LEDFLE30BPIR-31
LEDFLE50BPIR, LEDFLE50BPIR-31.

This installation must be carried out by an electrician.

Please read these instructions carefully before installation.

Leave a copy for the user/maintenance engineer for future reference.

Specification

- LED Floodlight
- Class I (must be earthed)
- Wattage: 10W, 20W, 30W & 50W.
- Lamp type (included): LED
- Lumen Output: 750 - 4500lm (depending on model).
- Supply voltage: 220-240V
- IP Rating: IP65
- Material: Aluminium & tempered glass.

Important Installation Information

- Installation should be carried out in accordance with the latest edition of the I.E.E. wiring regulations (BS7671) and taking into consideration the latest Building Regulations. If in doubt, consult a qualified electrician.
IMPORTANT: Ensure that ALL electrical connections are tight with no loose strands, including factory made connections.
- Input voltage – 85V-265V
- Ensure there is adequate free air circulation of at least 100mm around the luminaire. All luminaires run hot. It is the installer's responsibility to consider fire risk and take appropriate precautions.
- Before commencing installation or maintenance, ensure electricity is switched off at the mains.
- The nearest illuminated surface must be at least 0.5m from the front of the fitting.

Important User Information

- Always switch off mains supply before servicing, fitting or maintenance.

Installation Instructions

- Check for concealed cables before drilling fixing holes.
- Remove the bracket by removing the two bolts.
- Fix the bracket to a wall or similar hard surface.
- Fix the body to the bracket using the two bolts.

4TH Wire

This LED Floodlight with P.I.R is equipped with a 4th wire (Brown). This wire can be used in one of two ways:

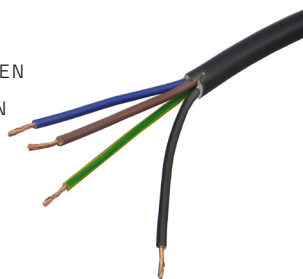
- 1) Connected to a switch (as per diagrams on reverse) which when switched will bypass the PIR and the LED Floodlight will remain on until the switch is returned to its sensing status.
- 2) Connected to subsequent non-PIR Light fittings in order to switch these as well (Black wire is the supply wire, Neutral & Earth wires to also be taken to secondary fittings)
NOTE: If the 4th (brown) wire is not required it must be terminated safely, as when the PIR is activated will become live. Total load including master must not exceed 800w.*

LIVE: BLACK

NEUTRAL: BLUE

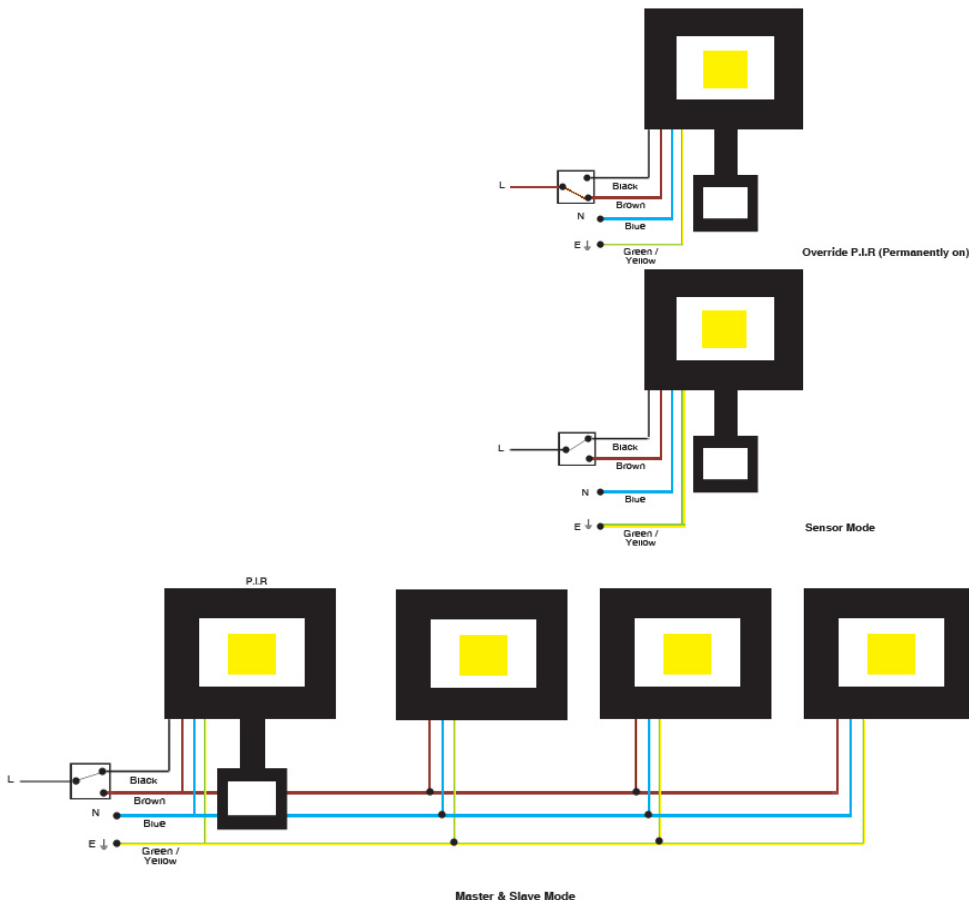
EARTH: YELLOW / GREEN

SWITCH / LIVE: BROWN



Economy LED Floodlights with PIR (4th Wire) Installation Instructions P. 2

For models: LEDFLE10BPIR, LEDFLE10BPIR-31, LEDFLE20BPIR,
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LEDFLE50BPIR, LEDFLE50BPIR-31.



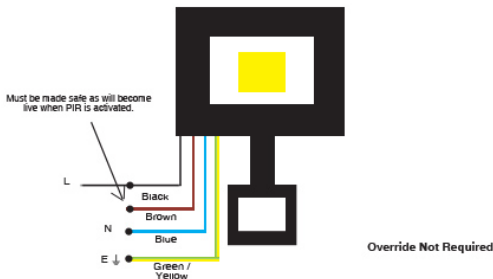
Total load including master must not exceed 800w.*

*This only applies to LED Floodlights. If other loads are to be switched via the P.I.R compatibility must be checked. This is not the responsibility of Red Arrow Trading Ltd.

Economy LED Floodlights with PIR (4th Wire) Installation Instructions P. 3



For models: LEDFLE10BPIR, LEDFLE10BPIR-31, LEDFLE20BPIR,
LEDFLE20BPIR-31 LEDFLE30BPIR, LEDFLE30BPIR-31
LEDFLE50BPIR, LEDFLE50BPIR-31.



Cleaning

- Depending on the application, clean the glass cover at regular intervals, and remove all dust or dirt to ensure luminaire works correctly.
- Use cotton duster (no alcohol, no solvent), only water to clean glass.

Maintenance

- Before any maintenance ensure the product has cooled down.
- This product is supplied ready to use. No maintenance should be required, except if damaged or the front glass cover is broken. In either case please contact your supplier.

Specification of PIR Sensor

- Supply Voltage: 220-240V/AC, 50Hz
- Ambient Light: 3-2000 Lux (adjustable).
- Time Delay: min: 10seconds \pm 3seconds
max: 7minutes \pm 2minutes
- Detection Distance: 5-12m
- Detection Range: 180°
- Working Temperature: -20~+40°
- Working Humidity: >93%RH
- Installation Height: 1.8m~2.5m
- Power Consumption: 0.45W (work)
0.1W (static)
- Detection Motion Speed: 0.6~1.5m/s

Notes

- Please note this is an IP65 rated product - do not break any seals as this will affect it's water resistant rating.
- The fixture can not be modified. Any modification to this fitting will void the warranty.
- The manufacturer / importer shall not be responsible for any product damages caused by mounting procedures which are not in accordance with instructions.



Economy LED Floodlights with PIR (4th Wire) Installation Instructions P. 4

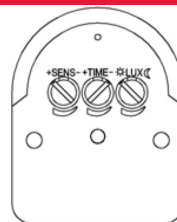
For models: LEDFLE10BPIR, LEDFLE10BPIR-31, LEDFLE20BPIR,
LEDFLE20BPIR-31 LEDFLE30BPIR, LEDFLE30BPIR-31
LEDFLE50BPIR, LEDFLE50BPIR-31.



Test PIR Sensor

- Turn the SENS knob clockwise to the maximum point, turn the TIME knob anti-clockwise to the minimum point, turn the LUX knob clockwise to the maximum point.
- When you switch on the power, the fitting will not illuminate. After a 30 second preheat, when the sensor gets the induction signal, the load will turn on. Once the load switches off, it will then turn on again after 5-15 seconds of the sensor receiving an induction signal.
- After the sensor goes off, trigger the detection field after 5-10 seconds. The load should work. When there is no induction signals in the sensor, the load should stop working.
- Turn the LUX knob anti-clockwise to the minimum point. If it is adjusted to less than 3 LUX (dark), the load and sensor should not work when testing in daylight. If you cover the detection window with an opaque object, the load should work. Under no induction signal condition, the load should stop working within 5-15 seconds.

NOTE: WHEN TESTING IN DAYLIGHT, PLEASE TURN THE LUX KNOB TO THE ☀️ (SUN) POSITION, OTHERWISE THE SENSOR WILL NOT WORK!



Troubleshooting

THE SENSITIVITY IS POOR:

- Please check if there are any objects in the detection field.
- Please check if the ambient temperature is too high.
- Please check if the installation height corresponds to the height showed in the instructions.
- Please check if your direction of travel doesn't create poor sensitivity of the Sensor. (i.e. if you are walking towards the fitting this creates poor sensitivity).

THE SENSOR CAN NOT SHUT OFF THE LOAD AUTOMATICALLY:

- Please check if there is continual signal in the detection field.
- Please check if the time delay is at it's maximum.
- Please check if the power corresponds to the instructions.
- Please check if the temperature near the sensor changes, such as if there's air conditioning or central heating.



PRN WEE/BJ1331XR



Product is suitable for
mounting on flammable
material



Product complies with
all relevant European
standards

Guarantee

This product is guaranteed for a period of 2 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been Mega tested. 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. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

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