



# LED AC DRIVERLESS FLOODLIGHTS WITH PIR

FOR MODEL: FLAC10BPIR, FLAC20BPIR, FLAC30BPIR & FLAC50BPIR

## INTRODUCTION

The LED AC Driverless Floodlights with PIR include a hanging / mounting bracket and a 100cm cable.



## SPECIFICATION

LED		180-240V	6000K	>80 Ra
800-4000lm	IP65	IK07	50Hz	10W-50W

- Dimensions:  
 FLAC10BPIR: L: 103 x W: 155 x D: 50mm  
 FLAC20BPIR / FLAC30BPIR: L: 160 x W: 193 x D: 52mm  
 FLAC50BPIR: L: 206 x W: 216 x D: 54mm
- LED: 10-50pcs of SMD 2835
- Working Temperature: -20°C - 45°C.

Automatic Circuit Breaker Type	B6	B10	B13	B16	B20	C10	C13	C16	C20
Rated Current (Ampere)	6A	10A	13A	16A	20A	10A	13A	16A	20A
Installation (mm <sup>2</sup> )	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	1.5
10W	132	220	286	352	440	220	286	352	440
20W	66	110	143	176	220	110	143	176	220
30W	44	73	95	117	146	73	95	117	146
50W	26	44	57	70	88	44	57	70	88

## BOX CONTENTS

1 x LED AC Driverless Floodlight with PIR



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## SAFETY WARNING

- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk.
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit including the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.

## INSTALLATION INSTRUCTIONS

**IMPORTANT:** Ensure that ALL electrical connections are tight with no loose strands, including factory made connections.

1. Ensure there is adequate free air circulation of at least 100mm around the fitting. All fittings run hot. It is the installer's responsibility to consider any fire risk and take appropriate precautions.
2. The nearest illuminated surface must be at least 0.5m from the front of the fitting.
3. Check for concealed cables before drilling any fixing holes.
4. Remove the bracket by removing the two bolts.
5. Fix the bracket to a wall or similar hard surface.
6. Fix the body to the bracket using the two bolts.

## 4TH WIRE INSTALLATION INSTRUCTIONS

This LED AC Driverless 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), when switched on will bypass the PIR and the LED AC Driverless Floodlight will remain on until switched off.
2. Connected to subsequent non-PIR Light fittings in order to switch these on as well (Black wire is the supply wire, Neutral and Earth wires to also be taken to secondary fittings).

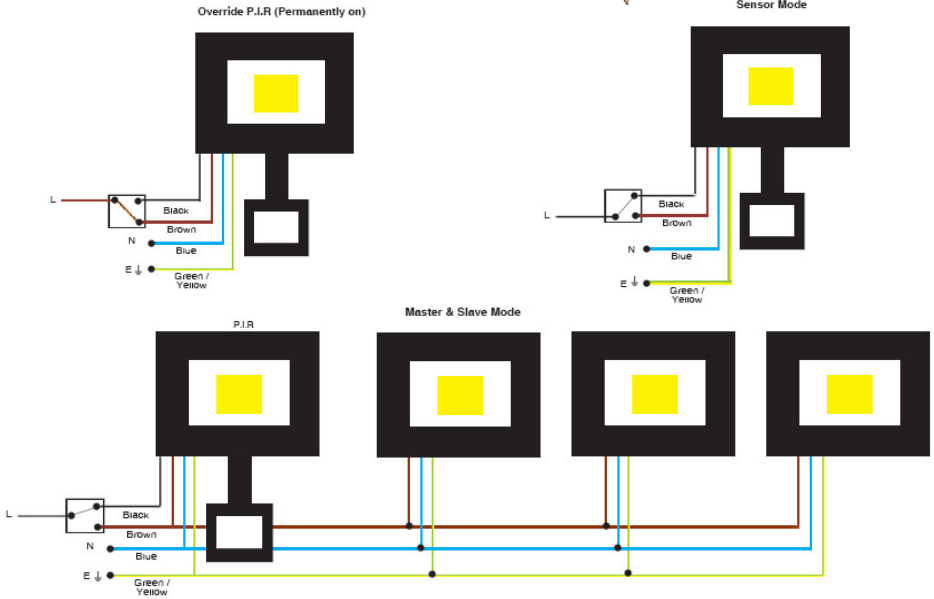
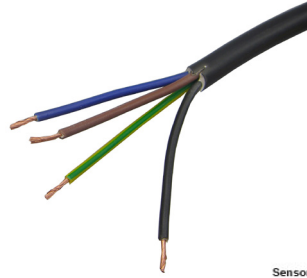
**NOTE:** If the 4th (Brown) wire is not required it must be terminated safely, when the PIR is activated it will become live. Total load including master must not exceed 100W.\*



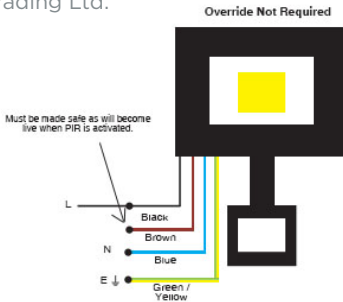
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EARTH: GREEN / YELLOW  
 LIVE: BLACK  
 NEUTRAL: BLUE  
 SWITCH LIVE: BROWN



\*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.





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## TESTING THE PIR

- Turn the SENS dial clockwise to the maximum point, turn the TIME dial anti-clockwise to the minimum point, turn the LUX dial clockwise to the maximum point.
- When you switch on the power, the fitting will not illuminate. After a 30 second pre-heat, 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 dial 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 DIAL TO THIS  (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 shown 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.



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- Please check if the temperature near the sensor changes, such as if there's air conditioning or central heating.
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## MAINTENANCE

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

- Please note this is an IP65 rated product - do not break any seals as this will affect it's water resistant rating.
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## 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.

**CE RoHS**

