

INSTALLATION INSTRUCTIONS

FLAC Slimline Floodlights with PIR

Product Codes: **FLAC10BPIR, FLAC10BPIR-31, FLAC20BPIR, FLAC20BPIR-31, FLAC30BPIR, FLAC30BPIR-31, FLAC50BPIR, FLAC50BPIR-31**

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 ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- 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.
- Keep out of reach of children.

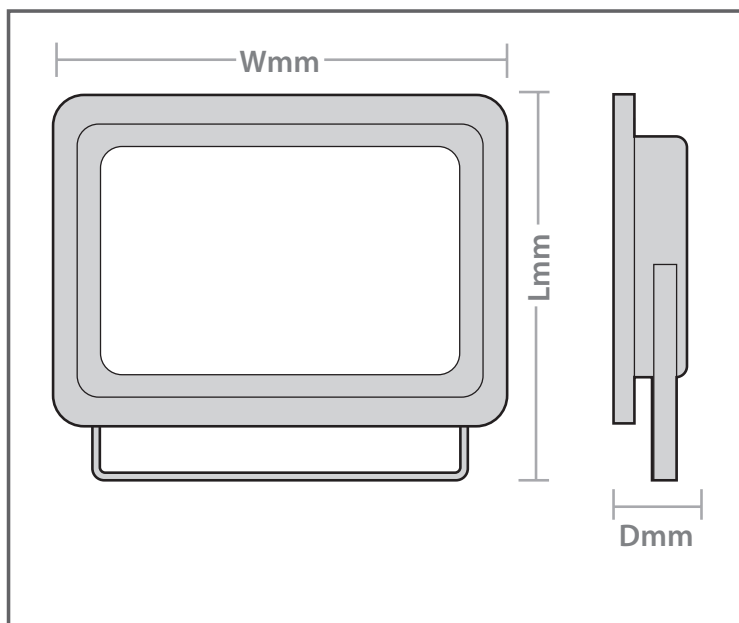


Specification

Box Contents -

1 x FLACBPIR Slimline Floodlight
1 x 1m Cable
1 x Tilted Angled Mounting Bracket
1 x PIR

Dimensions:	FLAC10BPIR: L: 155 W: 103 x D: 50mm FLAC10BPIR-31: L: 155 x W: 103 x D: 50mm FLAC20BPIR: L: 193x W: 160 x D: 52mm FLAC20BPIR-31: L: 193 x W: 160 x D: 52mm FLAC30BPIR: L: 193 x W: 160 x D: 52mm FLAC30BPIR-31: L: 193 x W: 160 x D: 52mm FLAC50BPIR: L: 216 x W: 206 x D: 54mm FLAC50BPIR-31: L: 216 x W: 206 x D: 54mm
Material:	Body: Aluminium Lens: Glass
Colour Temperature:	3100K & 6000K
CRI:	Ra>80
LED Lifetime:	L70B50 30,000Hrs
IP Rating:	IP65
IK Rating:	IK07
Working Temperature:	Standard: -20°C to 45°C
Power Factor:	>0.9
Guarantee:	2 Years



PIR

- 220-240V 50/60Hz
- Rated Load: Maximum 100W resistive load / Maximum 10W inductive load
- Detection Range: 90°
- Detection Distance: 6-10m (adjustable)
Time Delay: Minimum 10±5 seconds, maximum 8±2 minutes (adjustable)
- Ambient Light: 2-2000lux (adjustable)
- Detection Motion Speed: 0.6-1.5m/s
- Installation Height: 1-3m



MAXIMUM FITTINGS PER CIRCUIT

Automatic Circuit Breaker Type:	B6	B10	B13	B16	B20	C10	C13	C16	C20
Rated Current:	6A	10A	13A	16A	20A	10A	13A	16A	20A
Cable (mm):	1.5	1.5	1.5	2.5	2.5	1.5	1.5	2.5	2.5
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

Installation Instructions

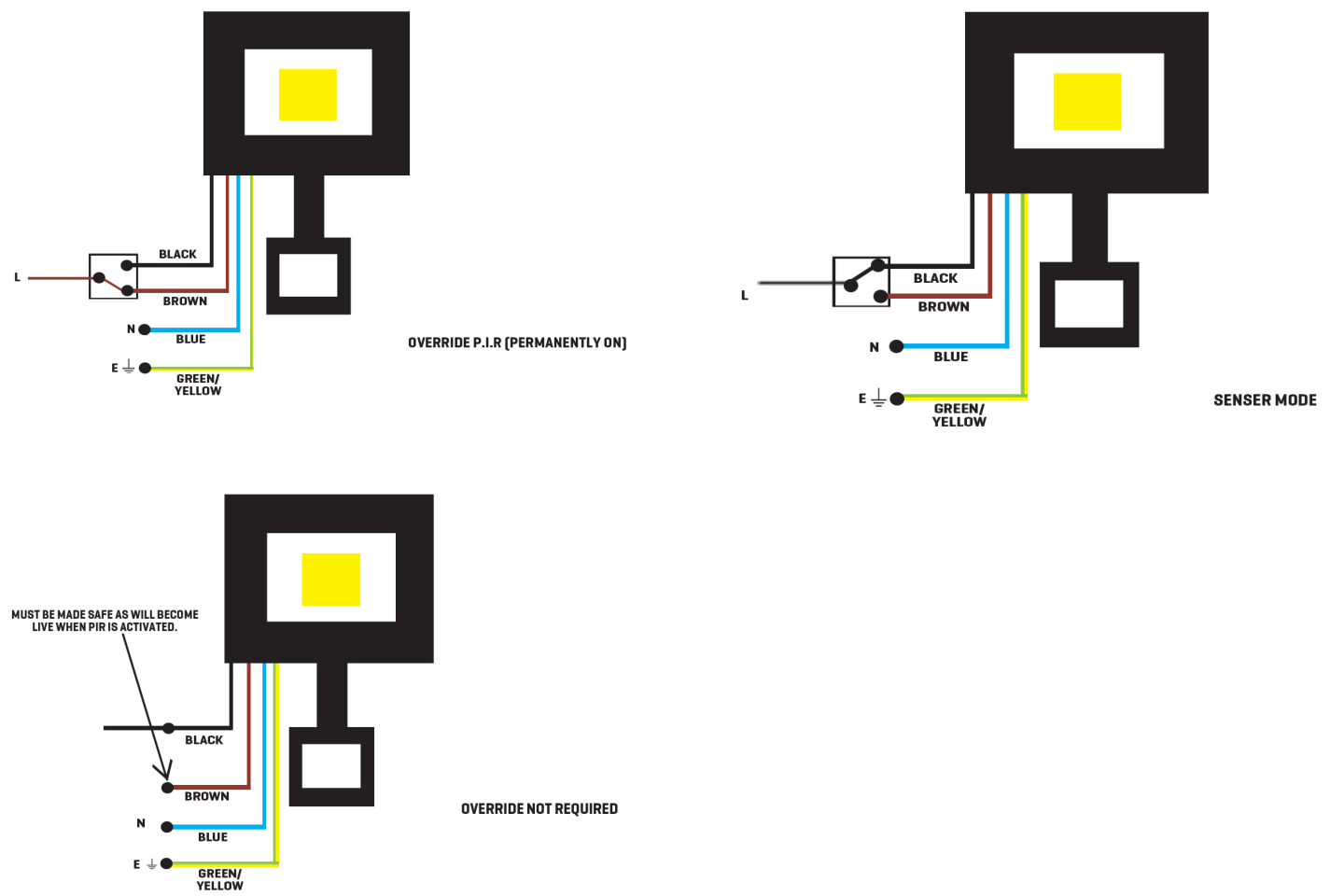
- IMPORTANT:** Ensure that all electrical connections are tight with no loose strands, including factory made connections.
1. Ensure there is adequate free air circulation of at least 100mm around the fitting. all fittings run hot. it is the installer's responsibility to consider any fire risk and take 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. Fix the bracket to a wall or similar hard surface.
 5. Connect the cable to the power supply.

Installation Instructions - 4th Wire

This LED AC driverless floodlight with P.I.R is equipped with a 4th wire (brown). This wire can be used as follows:

- 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.

Note: if the 4th (brown) wire is not required it must be terminated safely, when the PIR is activated, it will become live.



Testing the PIR

- Turn the sens dial anti-clockwise to the maximum point, turn the time dial clockwise to the minimum point, turn the lux dial clockwise to the sun.
- 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 moon. 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 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 shown in the instructions.
- Please check that 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 cannot 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.

Additional Information

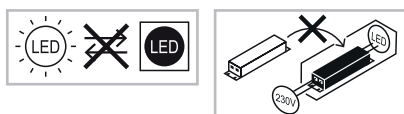
Please note this is an IP65 rated product - do not break any seals as this will affect it's water / dust resistant rating.

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 insulation 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.

Maintenance

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- The light source & driver in this luminaire can be quickly and easily replaced at end of life. This should be carried out by a competent person. Contact Red Arrow for details of replacements.



- When this fitting comes to the end of it's life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

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