

Strix

Foundation Series floodlight



Up to 200 W Power	100–277 V Supply	IP66 Rating	I Class	3 / 4 / 5K CCT
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Installation and user instructions

Models: STRIX-200-8345-B-AF · STRIX-100-8345-B-AF · STRIX-50-8345-B-AF

Variant: -PIR motion sensor available on STRIX-50

Important safety information

Warning — risk of electric shock

Installation must only be carried out by a person authorised to do electrical work. Always isolate the supply at the switchboard and verify the circuit is dead before commencing work.

- Do not install or operate if damaged. Do not modify the luminaire.
- The light source is not user-replaceable — it must only be replaced by the manufacturer, its service agent, or a similarly qualified person.
- If the external flexible cord is damaged it must be replaced only by the manufacturer, its service agent, or a similarly qualified person, to avoid a hazard.
- Do not cover with thermally insulating material; allow heat to dissipate freely.
- The supply must be protected by a suitably rated MCB and RCD in accordance with AS/NZS 3000.
- Install outside arm's reach. Ensure the luminaire is earthed.

What's in the box

The following items are typically supplied — please confirm against your shipment.

- Strix luminaire with factory-fitted 316 stainless steel mounting bracket (yoke)
- Bracket fixing bolt, nut and washers (pre-fitted to the yoke)
- Cable gland fitted to the junction box · 1 × spare seal / blanking plug
- This instruction sheet

Technical specifications

Specification	Value
Rated supply	200 W / 100 W: 100–277 V AC, 50/60 Hz · 50 W: 220–240 V AC, 50/60 Hz
Selectable power (H / M / L)	STRIX-200: 200 / 160 / 120 W · STRIX-100: 100 / 80 / 60 W · STRIX-50: 50 / 30 / 20 W
Output @ 4000 K	STRIX-200: 34000 / 27200 / 20400 lm · STRIX-100: 17000 / 13600 / 10200 lm · STRIX-50: 8000 / 4800 / 3200 lm
Efficacy	Up to 170 lm/W @ 4000 K · PF 0.95 · THD < 10%
Colour	CRI > 80, SDCM < 5, 3000 / 4000 / 5000 K selectable, asymmetric forward 60° × 90° beam
Lifetime (L70 B10)	> 102,000 hours · Driver life 100,000 hours
Surge protection	Common mode 6 kV · Differential mode 6 kV
Protection	Class I · IP66 · IK08
Corrosion class	C4 (coastal, install > 200 m from the ocean)
Rated ambient (t _a)	-20 °C to +45 °C
Light source	Integrated SMD LED, non-replaceable
Optic / lens	PMMA optic · toughened glass lens
Construction	Die-cast aluminium body; 316 stainless bracket & fasteners; electrophoretic e-coat + polyester powder coat
Optimal tilt angle	30°
Certification	SAA
Dimensions (L × W × H)	STRIX-200: 384 × 353 × 59 mm · STRIX-100: 333 × 302 × 59 mm · STRIX-50: 274 × 244 × 56 mm
Weight	STRIX-200: 4.2 kg · STRIX-100: 2.9 kg · STRIX-50: 1.8 kg
Warranty	5 years (product replacement)

Choosing the location

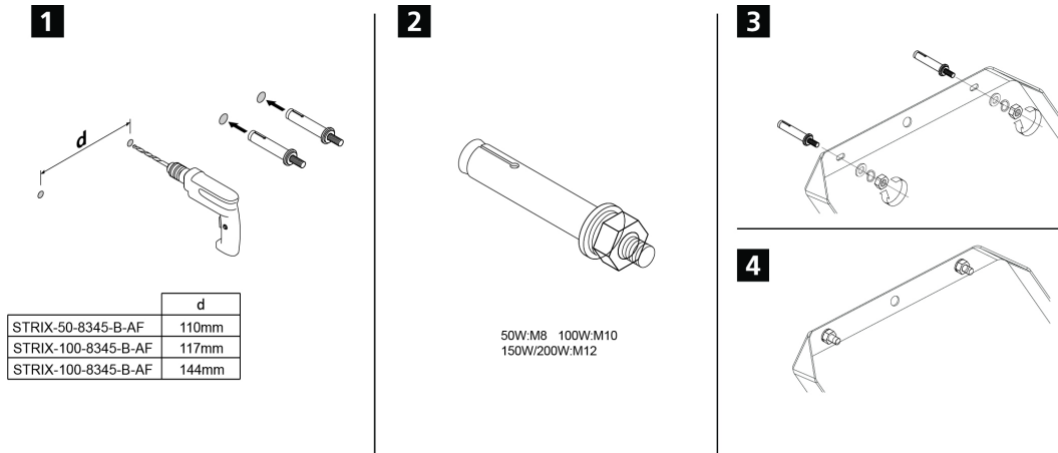
Mount on a solid, stable surface able to carry the luminaire weight, using fixings suited to the substrate. Aim for the optimal 30° tilt — the asymmetric forward beam throws light ahead of the fitting, so point it where light is needed and not into the sky to reduce glare and spill. If using the built-in daylight (dusk-to-dawn) sensor, position the fitting so the sensor is not lit by its own beam, other floodlights, or street lighting at night, as stray light will keep it switched off. For the C4 corrosion rating to apply, install more than 200 m from the ocean. Do not enclose or cover the fitting; leave room for heat to dissipate.

Installation

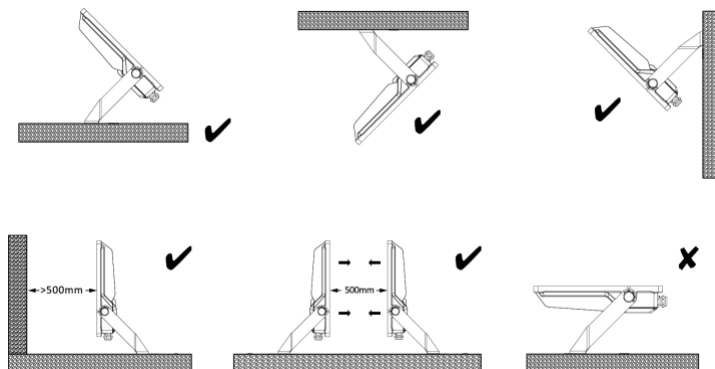
1. Isolate the supply at the switchboard. Verify the circuit is dead.
2. Drill and fix the mounting bracket to the surface with appropriately rated fixings — see the diagram below for hole positions and bolt sizes.
3. Pass the supply cable through the gland and wire the terminals (see Connecting the supply), then set the selector switches before closing the box (see Switch configuration).
4. Set the tilt angle (30° optimal) and tighten the bracket — do not over-tighten.
5. Close the junction box, ensuring the gasket is seated to maintain the IP66 rating. Fit a blank to any unused entry, then restore the supply and verify operation.

Mounting

Fix the bracket through both holes with fasteners suited to the substrate (bolt sizes shown), then set the tilt at the knuckle — 30° gives the optimal forward throw — and tighten. Do not over-tighten.



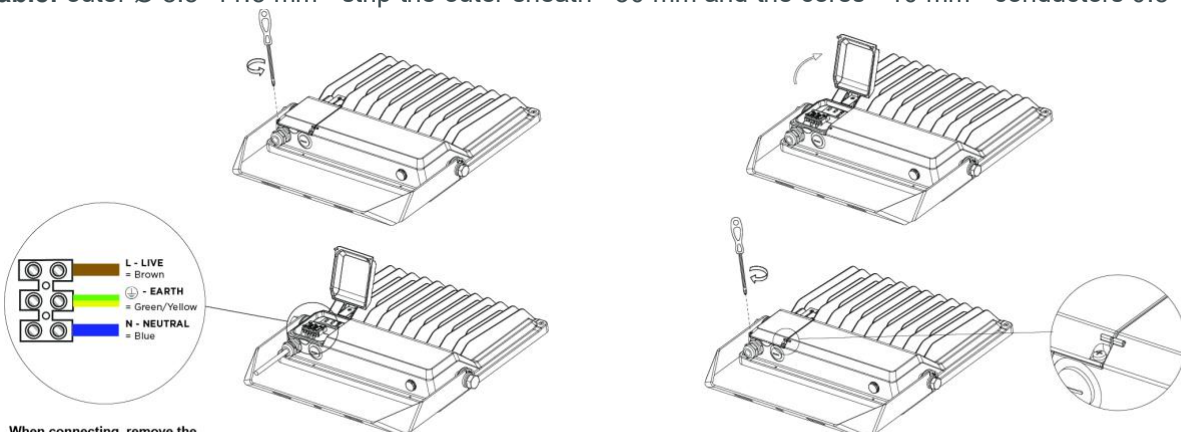
Mount the fitting upright or tilted forward — not facing upwards — and leave at least 500 mm to adjacent surfaces and between fittings for airflow.



Connecting the supply

The Strix is supplied with factory-fitted flying leads inside the junction box, which supports loop-in/loop-out for daisy-chaining. To wire a terminal, withdraw it, insert the conductor, then re-seat it until the scale marks align.

Cable: outer Ø 8.5–11.5 mm · strip the outer sheath ~30 mm and the cores ~10 mm · conductors 0.5–2.5 mm².

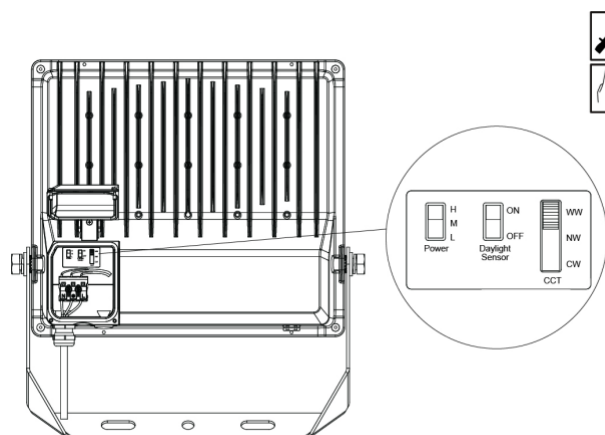


When connecting, remove the terminals and then reinsert them after the connection is completed.

The screws need to be tightened until the scales align.

Switch configuration

Set the switches by hand before closing the box — do not use a screwdriver or other tool. Power (H/M/L) selects the wattage step and CCT (WW/NW/CW) the colour temperature. The built-in daylight sensor (ON/OFF) is fitted to STRIX-100 and STRIX-200 only.



Model	L	M	H	Daylight Sensor		WW	NW	CW
				ON	OFF			
STRIX-50-8345-B-AF	20W	30W	50W	NA	NA	3000K	4000K	5000K
STRIX-100-8345-B-AF	60W	80W	100W	ON<35LUX OFF>95LUX	OFF	3000K	4000K	5000K
STRIX-200-8345-B-AF	120W	160W	200W	ON<35LUX OFF>95LUX	OFF	3000K	4000K	5000K

Sensor configuration

STRIX-100 and STRIX-200 include a built-in daylight (dusk-to-dawn) sensor, switched on or off in the junction box. With it ON the luminaire switches on below ~35 lux and off above ~95 lux; with it OFF the luminaire follows the mains supply or an external switch.

STRIX-50 has no built-in daylight sensor. A twist-in PIR motion sensor (STRIX-PIR) is available for the STRIX-50 see its separate install sheet.

Operation

The luminaire illuminates when the supply is switched on. Daylight-sensor fittings switch automatically between dusk and dawn when the sensor is set to ON. Allow a few seconds after power-up for the sensor to settle.

Troubleshooting

Symptom	What to check
Will not light	Check the MCB/RCD and L/N/E connections. Set the daylight sensor to OFF to test in daylight.
Does not switch on at night	Daylight sensor is ON but seeing stray light (own beam, other floodlights, street lighting). Reposition or shield the sensor.
Stays on during the day	Daylight sensor set to OFF (constant mode), or sensor sitting in shadow. Set sensor to ON and clear any obstruction.
Wrong brightness or colour	Check the Power (H/M/L) and CCT (WW/NW/CW) selector switches in the junction box.
Water ingress	Check the cable gland is tight and correctly sized (cable Ø 8.5–11.5 mm) and the junction-box gasket is seated. Fit a blank to any unused entry.

Maintenance

- Isolate the supply before any cleaning or inspection.
- Clean the lens and heatsink every 12 months (more often in dusty or coastal sites) with a soft, lint-free cloth. No solvents or abrasives.
- Inspect the bracket and fixings annually; replace any component showing corrosion or wear.
- Do not open the sealed housing — there are no user-serviceable parts and opening compromises the IP66 rating.

Disposal and warranty

Do not dispose of with general waste — recycle as electrical waste (NZ: ewaste.org.nz). Evolve Lighting warrants this product for five (5) years from the date of purchase, subject to normal use in accordance with these instructions. Full terms: evolve-lighting.co.nz/warranties

Manufacturer

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