

Atlas

Industrial LED highbay



100/150/200 W Power	100–277 V Supply	IP69K Rating	I Class	4/5/5.7K CCT
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Installation and user instructions

Model: ATLAS-200-8457-90

Variants: -EM · -DA · -MS · -PIR

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 light source and driver are not user-replaceable — do not open the housing.
- Do not install in corrosive atmospheres unless specified
- Intended for industrial highbay use only.
- Supply must be protected by a suitably rated MCB and RCD in accordance with AS/NZS 3000.
- Always fit the supplied 80 cm safety chain (or equivalent SUS304 Ø3 mm cable) to a structurally sound point separate from the primary mounting.
- Ensure the luminaire is earthed throughout its service life.

What's in the box

- Atlas luminaire with factory-fitted 304 SS eye-bolt and 3 m flex with NZ/AU 3-pin plug
- 1 × 80 cm safety chain
- 1 × M4 locking screw
- Wattage-select switch pre-set to 150 W (non-DALI variants)
- This instruction sheet

Technical specifications

Specification	Value
Rated supply	AC 100–277 V, 50/60 Hz
Rated power	100 / 150 / 200 W (selectable), PF ≥ 0.97, THD < 8%
Output	100 W ≈ 19,000 lm · 150 W ≈ 27,000 lm · 200 W ≈ 36,000 lm
Efficacy	Up to 190 lm/W
Colour	CRI ≥ 80, SDCM < 5, 4000 / 5000 / 5700 K selectable, 90° beam
Lifetime (L70 B50)	> 100,000 hours
Surge / inrush	CM/DM 6 kV · 80 A @ 450 µs
Driver protections	SCP / OTP / OVP / UVP
Flicker	Flicker-free (PstLM < 1, SVM < 0.4)
Protection	Class I · IP69K · IK10
Rated ambient (t _a)	–40 °C to +55 °C
Light source	Integrated SMD LED, non-replaceable
Connection	3 m, 3-core flex with NZ/AU 3-pin plug
Body / lens	Die-cast aluminium, epoxy coated · polycarbonate lens
Dimensions / weight	Ø 390 × 152 mm · 3.6 kg
Mounting	Suspended ring or surface mount
Certification	SAA
Warranty	5 years

Choosing the location

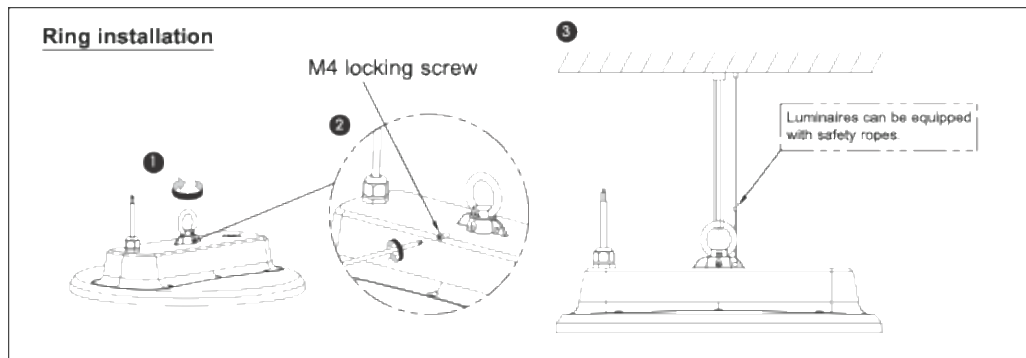
Install in a clean, well-ventilated area at a mounting height of 6 m to 12 m. Do not mount tight against ceilings, insulation, or other heat sources, and keep clear of corrosive vapours and continuous vibration. For sensor variants, avoid line-of-sight to heat-pump outlets, flue terminals, and large reflective surfaces.

Installation

1. Isolate the supply at the switchboard. Verify the circuit is dead.
2. For non-DALI variants, set the wattage-select and CCT switches on top of the housing, under the screw cap, to 100 W, 150 W, or 200 W, and 4000 / 5000 / 5700 K. This may only be changed with the supply isolated.
3. Mount the luminaire using one of the two methods below.
4. Connect the supply (plug-in or hard-wired — see below). For DALI variants, also connect the DALI bus.
5. Fit the 80 cm safety chain to a structurally sound point separate from the primary mounting.
6. If a sensor is fitted, plug it into the quick-connect socket and program via remote (see Sensor configuration).
7. Restore supply and verify operation.

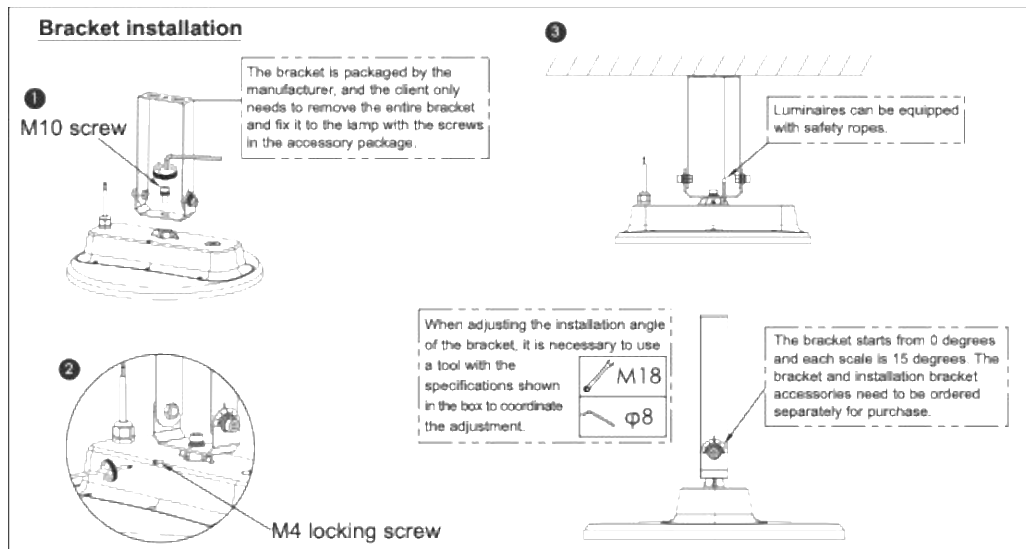
Mounting

1. Suspended ring



2. Surface mount

Remove the factory-fitted eye-bolt. Fix the luminaire body directly to the ceiling or surface using fasteners suited to the substrate, through the mounting points on the back of the housing. Allow at least 50 mm clearance around the heatsink for air circulation. Fit the safety chain as above.



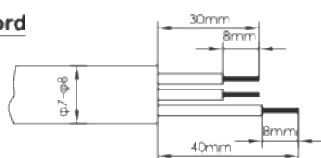
Connecting the supply

The Atlas is supplied with a 3 m flex terminating in an NZ/AU 3-pin plug. For most installations, plug into a suitable IP-rated socket served by an isolating switch. To hard-wire instead:

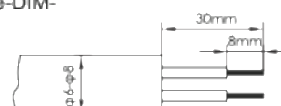
1. Cut the plug off and discard it. Strip the outer sheath back 30 mm and the conductors back 8 mm.
2. Pass the cable through an IP66 (or higher) gland or junction box. Glands and junction boxes are not supplied.
3. Connect Brown → Active (L), Blue → Neutral (N), Yellow/Green → Earth (E).
4. Where the flex runs in arm's reach, secure it to the structure to prevent twisting at the luminaire entry.

Connect the power cord

Power line
Brown-L
Blue-N
Yellow+green-GND



Adjust the light
Brown-DIM+
Blue-DIM-



DALI control (suffix -DA only)

DALI variants are supplied with a separate 2-core DALI flex. Strip the conductors back 8 mm and connect Brown → DA+, Blue → DA-. The DALI bus is polarity-insensitive, but observe Evolve's convention to keep installations consistent. On DALI variants the wattage-select switch is disabled — output is controlled entirely from the DALI bus.

Sensor configuration (-PIR / -MS variants)

PIR and microwave sensor variants are supplied as a quick-connect plug-in module pre-fitted to the luminaire. All settings — detection range, hold time, daylight threshold, and standby dim level — are made using the supplied infrared remote. Point the remote at the sensor head from below and within 5 m, then press the corresponding key. The sensor confirms each setting with a brief flash of the lamp. Refer to the remote leaflet for the full key map.

If the sensor does not respond to the remote, check that the supply is on, the lens of the sensor is clean, and the remote batteries are fresh. Settings are retained through power cycles.

Remote comes with instructions, check for more information

Operation

Standard variants illuminate immediately when the supply is switched on. Sensor variants illuminate on detected motion and remain on for the configured hold time. DALI variants follow the level set on the DALI bus.

Troubleshooting

Symptom	What to check
Will not light	Check the MCB/RCD and supply outlet. On non-DALI variants, verify the wattage-select switch is set to a valid position. If hard-wired, check L/N/E.
Flickers or unstable	Confirm supply is within 100–277 V AC and terminations are tight. Phase-cut dimmers are not supported — use DALI variants for dimming.
Drops out when hot	Over-temperature protection has activated. Check ambient is within –40 °C to +55 °C and the luminaire has clearance around the heatsink.
Sensor will not trigger	Confirm the sensor module is fully seated. Re-check settings using the remote. Verify the lens is clean and line-of-sight to the area is clear.
Sensor ignores the remote	Replace the remote batteries. Move within 5 m of the sensor and aim directly at the head.

Maintenance

- Isolate the supply before any cleaning or inspection.
- Clean the lens and heatsink every 12 months in dusty environments with a soft, lint-free cloth. No solvents or abrasives.
- Inspect the safety chain, eye-bolt, and mounting hardware annually. Replace any component showing corrosion or wear.
- Do not open the housing — there are no user-serviceable parts and opening compromises the IP69K 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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