



ELECTRICAL OBSTRUCTION LIGHTS

ICAO MEDIUM INTENSITY, TYPE B/C

IV-2000 B/C (ICAO Medium Intensity, Type B/C, FAA L-846, L-856)

GENERAL DESCRIPTION

Electrical powered (230VAC or 24VDC), **LED technology** obstruction lights.

Includes **lighting head, twilight sensor** and **control electronics inside**. “All in One” device.

IVSOLAR Medium Intensity Type B/C, stand-alone **2000 Cd** red light model is used for marking Tower Crane, Wind Turbine, High Mast, Towers (Telecom / Meteorological), Smokestacks, High-rise Buildings and any other potentially hazardous obstructions between **45 and 150 m** to air traffic with a **red safety light**.

BENEFITS

“All in One” device, no external boxes or another components are needed.

- **Built-in** circuit protect **LED**, extremely reliable and cost saving.
- Shockproof and corrosion resistant.
- Working environment temperature: **-55°C to +55°C**.
- Typical LED lifetime: **> 100.000 hours**.
- Resistant to heavy rain or storms, wind and corrosion.
- Ferre maintenance and aluminum alloy housing.
- Based on high intensity LED technology.
- **95% less power** consumption than incandescent light.
- Incorporated photocell, **automatically dusk** to dawn.
- **2 year warranty**.



ICAO Certificate of Conformity INTERTEK®, Cortland, NY

ICAO International Standards and Recommended Practices: Aerodromes **Annex 14** Volume 1, 8th Edition, July 2018, Chapter 6: Medium-intensity **Type B/C**. Fulfills the Recommendations Section in Table 6-3.

FAA compliant, advisory Circular **AC 150/5345-43J**: Specification for Obstruction Lighting Equipment, 3/11/2019 **FAA L-864, L-885**.

Optical characteristics:

- 2000Cd (+/-25%)
- Colour aviation RED
- Horizontal beam 360°
- Vertical beam: minimum 4°
- Maximum intensity at -101 is less than 75 Cd

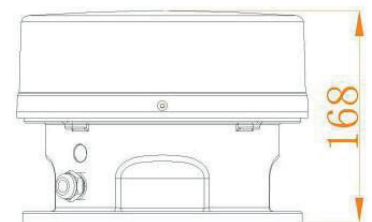


TECHNICAL SPECIFICATIONS

Model	IV-2000B	IV-2000C
Mode	20 to 60 FPM	Steady burning
Operation mode	Night (dusk to dawn automatically as standard)	
Compliance	ICAO Annex 14 Volume 1, Eght edition, 2018	
Light intensity	2000Cd +/- 25%	
Light color	Red	
Light source	High intensity LED	
Operating lifespan	>100.000 hours	
Vertical divergence	4°	
Horizontal degree	360°	
Power consumption	33 W/h (24 VDC) / 58 W/h (240VAC)	
Power supply	220VAC to 250VAC (50Hz) or 24 VDC	
Electric connector	IP68 included (male and female)	
Twilight sensor	Yes, inside the beacon	
Overall size (mm)	229 x 229 x 168	
Side mounting bracket (mm)	230x230x120 mm, made of galvanised steel, included	
Upper dome	UV protected polycarbonate	
Base material	Powder coated die casting aluminium	
Weight	2,5 Kg	
Product life expectancy	>10 years	
Operating temperature	-55 to 55 °C	
Humidity	10% to 95% RH (no condensation)	
Wind speed	240 Km/h	
Waterproof	IP66	

OPTIONS

- GPS Flash Synchronization
- Failure alarm (Dry contact)
- NVG (NIGHT Vision Googles) compatible LED
- RS\$(% communication
- Bird detterrent spike
- Solar power system



WIRING DIAGRAM

