

Solar-Powered Obstruction Light



- > Integrated solar/battery system
- > User-replaceable battery and solar modules
- > 10 watt solar module
- > Single LED Optic: Bright and efficient

Typical Application



Low Intensity Obstruction Light (ICAO Type A)

During daylight hours the solar module will charge the battery through an advanced switch-mode regulator incorporated into the flasher unit. The light will automatically begin operation at dusk once the ambient light threshold drops sufficiently.

The light is built from heavy-duty cast aluminum - subject to 7-stage powder-coating, and offers users enormous impact and weather resistance.

This completely self-contained unit with integrated solar module and battery system saves users considerably in power, cabling and on-going maintenance associated with traditional incandescent systems.

The DWT-AV 23 has been independently tested to be in accordance with the requirements of the photometric and colorimetric specifications for a Low Intensity Type A Obstacle Light listed in table 6-3 of ICAO Annex 14 Volume 1, 'Aerodrome Design and Operations', Fourth Edition July 2004.

Available Options:

- ✓ 200 mm bolt pattern mounting plate
- ✓ IR LED
- ✓ External IR Controller

MECHANICAL CHARACTERISTICS

Material	
Body	7-stage powder-coated Aluminum
Lens	LEXAN® Polycarbonate – UV stabilized
Dimensions	
Height	365 mm
Width	295 mm
Weight	5.5 kg
Lens Diameter	107 mm
Temperature Range	-40 to 80 °C
Mounting	50 mm (OD) pole

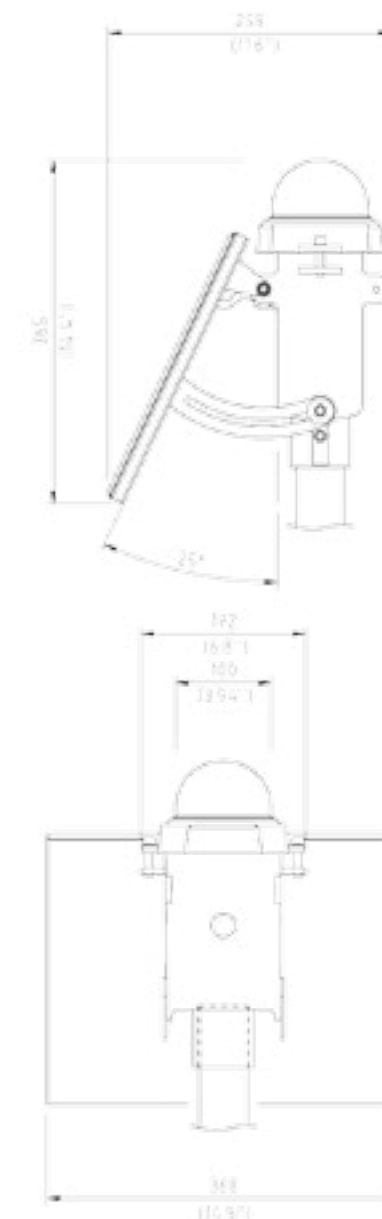
OPTICAL CHARACTERISTICS

Light Source	Single high-power LED
Available Colors	Red as standard, other colors on request
Peak Intensity	Compliant to ICAO
Horizontal Output	360 degrees
Vertical Divergence	+4° to +13°
Available Flash Characteristics	>250 including steady-on (user-adjustable)
Intensity Adjustments	25 % - 50 % - 100 %

ELECTRICAL CHARACTERISTICS

Current Draw	39 mA (steady on)
Circuit Protection	Integrated
Operating Voltage	12 V
Autonomy (nights)	> 10 (14 hour darkness, 12.5% duty cycle)
Battery Type	SLA (Sealed Lead Acid)
Battery Capacity	7.5 Ah
Battery Service Life	Average 5 years
Output Solar Module	1 x 10 W

DIMENSIONS



PHOTOMETRY

