

A-601 Solar Powered 360° 2-Mile¹ Aviation Marking Light

Acceptable for use in barricade & construction applications at Commercial Part 139 Airports under FAA Advisory Circular AC150/5370-2E.

Provides up to five years of operation with no maintenance, servicing or infrastructure costs.



Benefits

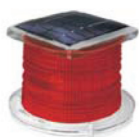
- Available in red, green, amber, white and blue
- Completely self-contained and watertight
- Designed to operate reliably in harshest of environmental conditions
- Will charge under nearly all weather conditions
- Up to 200 hours of operation from a full charge
- Installation takes minutes and requires minimal technical expertise
- Polycarbonate/polymer encapsulated construction is non-corrosive and virtually indestructible
- Distance of visibility up to 2 miles (3.6 kilometers)¹
- Meets requirements of ICAO Annex 14, Volume I, Sections 5.3.16.6 and Appendix I, 2.1.1 for taxiway edge lighting
- Any flash pattern available from the factory. Can also be programmed by the user using optional infrared remote control
- Manufactured under ISO:9001 Quality Assurance
- Three year manufacturer's warranty



Taxiway Edge Light

Applications

- Taxiway edge lighting
- Obstruction lighting
- Apron edges
- Heli-pad perimeters
- Barricade lighting
- Emergency & portable lighting
- Parking compounds
- Security lighting
- Buildings, towers & fences
- Wind cone lighting



Obstruction or
Apron Light

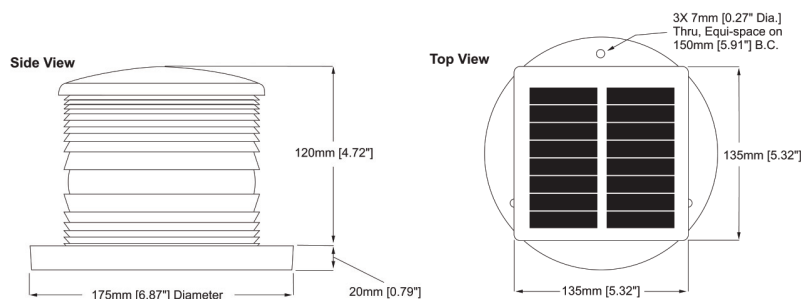


Barricade
Light



Optional mount fits
standard 1.5" coupling
or 1.5" column to
2" NPT adapter

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SPECIFICATIONS

LIGHT OUTPUT

	FLASHING ²	STEADY ON
Effective Intensity (Transmissivity constant of 0.74)		
Green	~ 11 Candela	~ 4 Candela
Red, Amber, White, Blue	~ 6 Candela	~ 2 Candela
Nominal Night Range (Employs Method of Schmidt-Clausen)		
Green	~ 2.9 NM	~ 2.0 NM
Red, Amber, White, Blue	~ 2.3 NM	~ 1.5 NM
Vertical Divergence	0 to 6 degrees	
Horizontal Output	360°	

OPERATION

Minimum Autonomy ³	300 Hours	150 Hours
Minimum Equivalent Peak Sun Hours to Maintain Minimum Autonomy	1.5 Hours	3 Hours
Latitude Range ⁴	55° S to 55° N	
On / Off Level	70 / 100 Lux	
Illumination Technology	8 or 16 LEDs, depending on color	
Lifespan of LEDs	Up to 100,000 Hours	
Available Standard Flash Patterns (Custom patterns available)	208 including "steady-on"	

SOLAR PANELS

Type	Mono-Crystalline Potted with UV-protected polyurethane and domed for higher efficiency
Maximum Power	1.4 Watts
Efficiency	14%

BATTERY

Type	Pure-lead thin plate with starved-electrolyte
Nominal Voltage	4 Volts
Capacity	5 Amp-hr at 10-hr discharge rate

CONSTRUCTION

Lens Material	Polycarbonate
Battery Venting	Vent at the bottom of the lantern
Sealing	Self-contained unit, potted with polyurethane
Weight	2.2 kg (4.85 lbs)

ENVIRONMENTAL and ELECTRICAL

Temperature Range ⁵	-40° to +80° C (-40° to 176° F)
Waterproof	As per IP67 (NEMA 6)
CE Approval	As per EN 60945:1997

TRADEMARKS and PATENTS

Trademarks and Patents

US Patents: 5,782,552 & 6,013,985
European Patent Application: 96925627.0
Other Patents Pending

¹ Actual range is dependant on flash pattern, intensity, and LED color.

² All "Flashing" light specifications are based on 100% intensity setting at 12.5% duty cycle (code 064 - 15 flashes per minute).

³ Actual figures for autonomy depend on the intensity level setting.

⁴ Lights will function reliably at higher latitudes than 55° North or South if intensity/autonomy is properly adjusted to suit operating environment by an authorized manufacturer's representative.

⁵ Consistent ambient temperatures above +25°C (+77°F) may affect overall battery life. Temperatures above +60°C (+140°F) may affect output. All specifications are subject to change without notice.