A-601 Solar Powered 360° 2-Mile\(^1\) 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

### 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

Optional mount fits standard 1.5” coupling or 1.5” column to 2” NPT adapter.
## SPECIFICATIONS

### LIGHT OUTPUT

<table>
<thead>
<tr>
<th>Effective Intensity (Transmissivity constant of 0.74)</th>
<th>FLAShing</th>
<th>STEADY ON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>~ 11 Candela</td>
<td>~ 4 Candela</td>
</tr>
<tr>
<td>Red, Amber, White, Blue</td>
<td>~ 6 Candela</td>
<td>~ 2 Candela</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Minimum Autonomy</th>
<th>300 Hours</th>
<th>150 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Equivalent Peak Sun Hours to Maintain Minimum Autonomy</td>
<td>1.5 Hours</td>
<td>3 Hours</td>
</tr>
</tbody>
</table>

### Latitude Range

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

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:

-40° to +80°C (-40° to 176°F)

(-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

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1. Actual range is dependent 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.