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**Solar Charged,
Model 601
360° Two Mile
Aviation Marking Light**

Applications

The Model 601 is the world's most advanced solar LED (light emitting diode) aviation marking light. Ideal for all types of taxiway, obstruction, apron, barricade and general airfield lighting applications. The 601 installs in minutes and requires no maintenance or servicing for up to five years.

Designed as a cost effective, maintenance-free lighting solution for commercial, Air Force, private and general aviation airfields. The Model 601 is a completely integrated, self-contained unit that does not require any external electrical source or bulb/battery replacement for its entire 5 year lifespan. It is also designed to be extremely durable, waterproof and virtually indestructible.

The Model 601 offers cost-effective performance. Based on an independent cost analysis, they will pay for themselves within their first year of operation - in the form of reduced installation, maintenance and servicing costs.

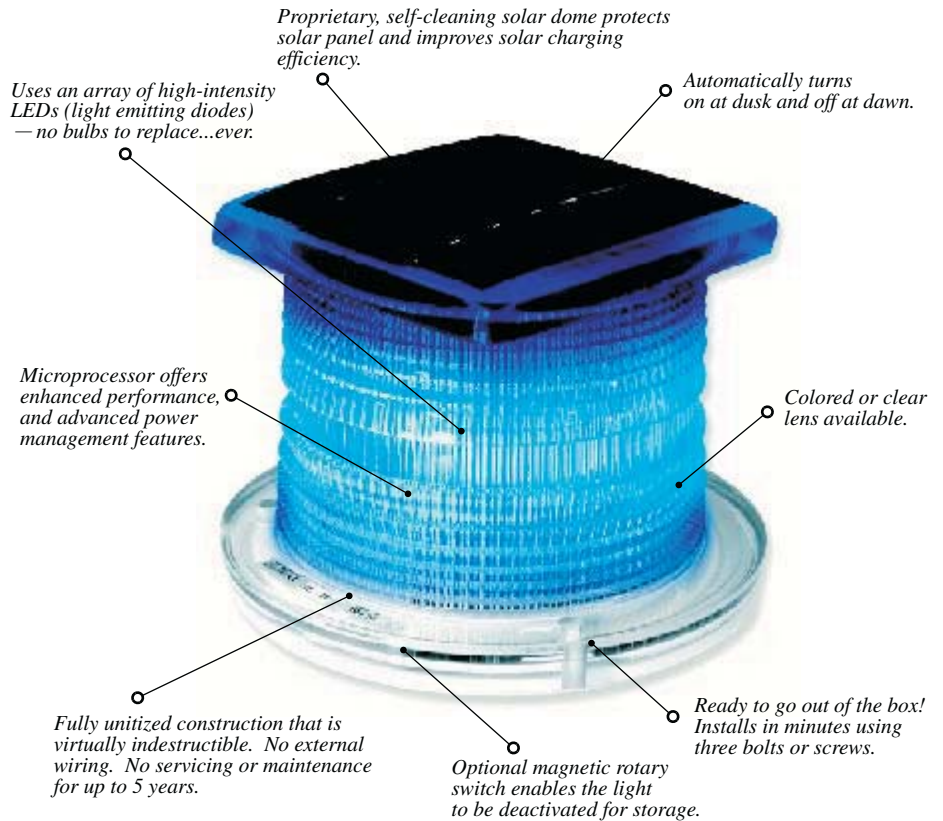
The Technology

Utilizing an innovative combination of solar power and LED (light emitting diode) technology, the Model 601 charges during the day, even under cloudy conditions.

The Model 601 also features sophisticated microprocessor intelligence that enables advanced light output control and battery power management.

30-Day Risk-Free Evaluation

Order a Model 601 today and evaluate the product's quality,



**No external wiring, no battery or bulb replacement,
no maintenance, no worries...**

performance and reliability for yourself. If you are not fully satisfied, you can return the unit within 30 days for a refund of the purchase price.

Typical Applications

- Taxiway edge lighting
- Obstruction lighting
- Apron edge lighting
- Barricade lighting
- Emergency & portable lighting
- Parking compounds
- Security lighting

- Building, tower & fence lighting
- Helipad lighting
- Wind cone lighting



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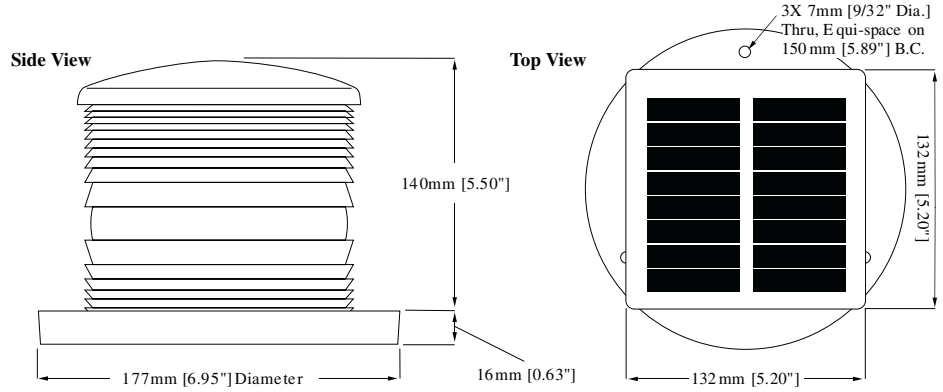
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Features & Benefits

- Improves airport safety.
- Provides up to five years of operation with no maintenance, servicing or infrastructure costs.
- Completely self-contained and watertight. Designed to operate reliably in harshest of environmental conditions.
- Enables increased hours of operation for pilot navigation and night time use.
- Will charge under nearly all weather conditions.
- Up to 200 hours of operating capacity from a full charge.
- Polycarbonate/polymer encapsulated construction is non-corrosive and virtually indestructible.
- Installation takes minutes and requires minimal technical expertise.
- Optional Mount: Uses adapter to mount on a standard 1" EMT riser.
- Distance of visibility up to 2¹ miles (3.2 kilometers).
- Available in red, green, amber, white and blue.
- Any flash pattern available from the factory. Can also be programmed by the user using optional infrared remote control.
- Manufactured to ISO9001 Quality Assurance Standards.
- 30 day satisfaction guarantee and three year warranty.



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	~ 3.3 NM	~ 2.3 NM
Red, Amber, White, Blue	~ 2.6 NM	~ 1.7 NM
Vertical Divergence	± 3.5° at 50% intensity	
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	
Chromaticity of Color Output	Meets IALA specifications	
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

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 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.

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