

Carmanah Model 601 - Two Mile Obstacle Light

Order-No: P 5501.02

- Distance of visibility up to 2 miles (3.6 km)
- Improved safety. Compact and light weight
- Any flash pattern available from the factory. Programmable with optional infrared remote control
- Available in red, green, amber, white and blue
- Completely self-contained and watertight. Designed to operate reliably in harshest of environmental conditions.
- Polycarbonate/polymer encapsuled construction is non-corrosive and virtually indestructible
- Maintenance free for up to 5 years
- 200 hours of operating capacity from a full charge
- No cables, no wiring, no external power required
- Will charge under nearly all weather conditions



360° Two Mile Obstacle Light

Technical Information:

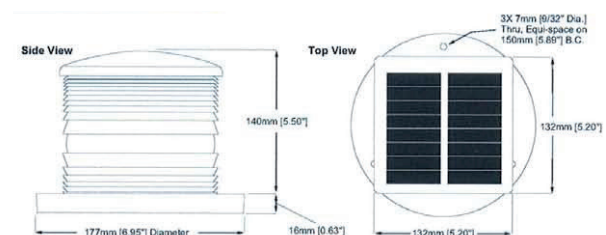
The Carmanah Model 601 is the world's most advanced solar LED (light emitting diode) aviation marking light. Ideal for all types of taxiway, obstruction, heli-pad and general airfield applications. The Model 601 installs in minutes and requires no maintenance or servicing for up to five years.

Typical Applications:

Designed as a cost effective, maintenance free lighting solution for commercial, air force, private and general aviation airfields, wind parks. 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 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.

How it works:

Utilising 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.



Specification Carmanah Model 601: P 5501.02

360° Two Mile Obstacle Light

Light Output:	Flashing	Steady on
Effective Intensity:		
Green	~ 11 Candela	~ 4 Candela
Red, Amber, White, Blue	~ 6 Candela	~ 2 Candela
Nominal Night Range:		
Green	~ 2.9 NM	~ 2.0 NM
Red, Amber, White, Blue	~ 2.3 NM	~ 1.5 NM
Vertical divergence	6.5° at 50% intensity	
Horizontal Output	360°	
Operation:		
Minimum Autonomy	300 hours	150 hours
Minimum Equivalent Peak Hours to maintain Autonomy	1.5 hours	3 hours
Latitude Range	55° S to 55° N	
On / Off Level	70 / 100 Lux	
Illumination Technology	8 or 16 LEDs, depending on colour	
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 polurethane 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 bottom of the lantern	
Sealing	Self contained unit, potted with polyurethane	
Weight	2.2 kg (4.85 lbs)	
Environmental & Electrical		
Temperature Range	-40° ... +80°C [-40° to 176° F]	
Waterproof	as per IP 67 /NEMA 6]	
CE Approval	as per EN 60945:1997	
Manufacturer	Carmanah	