

CM-13T Solar power Medium Intensity Aviation Obstruction Light Type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, high structures, telecommunication towers, heliport, electrical transmission lines or towers, chimneys, ports, wind turbines, bridge and city high-rise buildings where there are more visible to passing aircraft.

Usually used above 45m or below 150m buildings, could use alone, also could use with Low intensity OBL type B together.



Main photo

Key Feature

(Low power consumption, easy installation, high rate of solar energy utilization)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 90%, quite high impact resistance and fit the bad environment very well.
- The body of the light adopts SUS304 stainless steel, house of the light is made of aluminum alloy and painted by spraying plastics, the structure is high strength, resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass polycrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Using Fresnel lens optical design, range further.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection whose lightning proof ability is In 7.5KA/5 times, I_{max} 15KA so that the light is suitable to harsh environment.
- Integral structure, protection level of IP65.
- Synchronizing GPS function is available.



Main photo

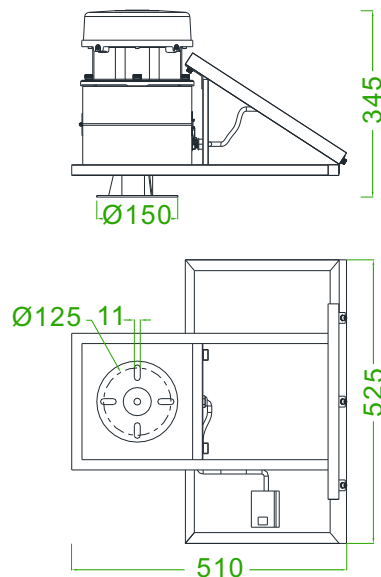


Main photo

Parameter

Item	Parameter
Standard	FAA/ICAO Standard
Model	CM-13T
Operating voltage	DC12V (Other available)
Power consumption	≤8W
Flashing frequency	20~60times/min
Light source	Red LED
Light intensity	2000cd(±25%)
Lifespan	> 100,000hours
Emitting color	Red
Beam angle	360° horizontal / ≥3° vertical
Method of synchronization	GPS
Overall size(mm)	525mm×510mm×345mm
Installation size(mm)	125mm×125 mm -4×M10
Ingress protection	Ip65
Lightning protection level	10KA
Background Luminance	<50 cd/m ²
Operating temperature	-40°C ~ 55°C
Net weight	21.5kg
Wind load	240km/h
Reserve	18-20 days under cloudy/rainy

Structure chart



Solar Panel Type: Polycrystalline
 Solar Panel Dimension: 525*340*25mm
 Solar Panel Power Consumption/Voltage:20W/16V
 Solar Panel Lifespan: 20 years

Battery Type: Colloidal battery
 Battery Capacity: 24AH
 Battery Voltage:12V
 Battery Lifespan: 3-5 years