

# CK-15-T Solar-powered Medium Intensity Aviation Obstruction Light Type B

## Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

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 high 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, Imax 15KA so that the light is suitable to harsh environment.
- Integral structure, protection lever of Ip65.
- Synchronizing GPS function is available.



Bottom



Switch

## Parameter

| Item                         | Parameter  |
|------------------------------|--|
| Operating voltage            | DC12V  |
| Power consumption            | ≤10W   |
| Flashing frequency           | 20~60times/min   |
| Light source                 | Red LED  |
| Light intensity              | 2000cd(±25%)   |
| Lifespan                     | > 100,000hours   |
| Emitting color               | Red  |
| Beam angle                   | 360° horizontal beam angle<br>≥3° vertical beam spread |
| Method of synchronization    | NA (could choose the GPS)                              |
| Overall size(mm)             | 255mm×255mm×515mm                                      |
| Installation size(mm)        | Φ105mm-4×M10   |
| Ingress protection           | Ip65   |
| Lightning protection level   | 10KA   |
| Light controlled sensitivity | 100Lux   |
| Operating temperature        | -40°C ~ 55°C   |
| Net weight                   | 17kg   |
| Wind load                    | 80m/sec.   |

## Structure chart

