### 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

**Bottom** 

## **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 ligh spectrum curce, 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.



**Switch** 

### **Parameter**

 $\begin{array}{ll} \text{Item} & \text{Parameter} \\ \text{Operating voltage} & \text{DC12V} \\ \text{Power consumption} & \leq 10 \text{W} \end{array}$ 

Flashing frequency 20~60times/min

 $\begin{array}{lll} \mbox{Light source} & \mbox{Red LED} \\ \mbox{Light intensity} & 2000\mbox{cd}(\pm 25\%) \\ \mbox{Lifespan} & > 100,000\mbox{hours} \end{array}$ 

Emitting color Red

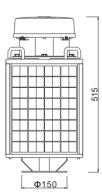
Beam angle 360° horizontal beam angle

≥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 protectionIp65Lightning protection level10KALight controlled sensitivity100LuxOperating temperature-40°C ~55°CNet weight17kgWind load80m/sec.



**Structure chart** 

