

CM-18 High Intensity Aviation Obstruction Light type A

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 150m buildings, could use alone, also could use with Medium OBL type B and Low intensity OBL type B together.

Key Feature

(Low power consumption, easy installation, small volume, new appearance)

- The house of light adopts high quality aluminium alloy, the light emitting surface use tempered glass, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with a synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of IP65.
- GPS synchronizing function is available.



Main photo



Cable position



Angle adjustment position

Parameter

Structure chart

Item	Parameter
Standard	FAA/ICAO Standard
Model	CM-18
Operating voltage	AC220V (Other available)
Power consumption	≤45W
Flashing frequency	40 ~ 60times/min
Light source	White LED
Light intensity	2000cd(±25%) (Background Luminance≤50Lux) 20000cd(±25%) (Background Luminance50 ~ 500Lux) 200000cd(±25%) (Background Luminance> 500Lux)
Lifespan	> 100,000hours
Emitting color	White
Beam angle	90° horizontal beam angle 3-7° vertical beam spread
Method of synchronization	GPS
Overall size(mm)	470mm×204mm×134mm
Installation size(mm)	445mm×70mm×4-M10
Ingress protection	Ip65
Lightning protection level	10KA
Background Luminance	<50 / 50~500 / > 500 (cd/m²)
Operating temperature	-40°C ~ 55°C
Net weight	8.3kg
Wind load	240km/h

