

# 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, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

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



Main photo

## Key Feature

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

- The house of the 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 environment 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 controller.
- Same power supply voltage with 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 to harsh environment.
- Integral structure, protection lever of Ip65.
- GPS synchronizing function is available.



Cable position

## Parameter

| Item                         | Parameter   |
|------------------------------|---|
| Operating voltage            | AC220V  |
| Power consumption            | ≤100W   |
| Flashing frequency           | 40 ~ 60times/min  |
| Light source                 | White LED   |
| Light intensity              | 2000cd(±25%)<br>(Background Luminance≤50Lux)<br>20000cd(±25%)<br>(Background Luminance50 ~ 500Lux)<br>200000cd(±25%)<br>(Background Luminance > 500Lux)<br>> 100,000hours |
| Lifespan                     | > 100,000hours  |
| Emitting color               | White   |
| Beam angle                   | 90° horizontal beam angle<br>3-7° vertical beam spread  |
| Method of synchronization    | Same power supply voltage signal mode   |
| Overall size(mm)             | 470mm×204mm×134mm   |
| Installation size(mm)        | 445mm×70mm×4-M10  |
| Ingress protection           | Ip65  |
| Lightning protection level   | 10KA  |
| Light controlled sensitivity | 100Lux  |
| Operating temperature        | -40°C ~ 55°C  |
| Net weight                   | 8kg   |
| Wind load                    | 80m/sec.  |

## Structure chart



Angle adjustment position

