

# OM2K LED Medium Intensity Aviation Obstruction Light

•Effective intensity>1500cd •ICAO medium intensity type B&C



## OVERVIEW

OM2K is a compact and lightweight LED medium intensity obstruction light. It only consumes 25W at steady burning and 5W at flashing.

12 pieces of ultra-bright OSRAM LEDs surface-mounted on an aluminum column composes of OM2K's LED module. The optical part is based on Fresnel lens, a transformed convex lens that concentrates light beams to a small specific angel to meet with ICAO requirements.

OM2K medium intensity obstruction light is equipped with a heatsink on top for enhanced thermal cooling. The straight fin arrangement of the heatsink maximizes airflow to optimize heat dissipation performance and stability.

OM2K is usually installed on towers and other tall structures over 45 meters. It can work independently with self-controlled configurations (e.g., built-in photocell, alarm relay, flasher) as an economical solution. In most cases, one or more OM2K units group with multiple levels of low intensity obstruction lights as an OB system, controlled and monitored by a control box.

## FEATURES

- 12 pcs of Super-bright OSRAM LEDs, reliable light source ensures long lifespan
- Fresnel optical lens provides excellent light distribution
- Internal LED driver and constant current regulator make the light illuminate steadily
- Internal Power supply module efficiency up to 90% for AC input voltage
- Aluminum heatsink provides excellent thermal dissipation performance
- The powder-painted aluminum base provides good weather and corrosion resistant
- Protective vent for balancing pressure and reduce condensation
- Stainless steel safety rope protects light head from fall-off during maintenance
- GE polycarbonate lens, UV-stabilized
- Prewired cable makes wiring job easier
- Protection: Polarity reverse, overvoltage and shortcircuit
- Flash rate adjustable, steady/20-60FPM
- Optional functionalities available: built-in photocell/alarm relay
- IP67 waterproof protection

## COMPLIANCE

- ICAO Annex 14, Volume I, Obstruction Light Medium Intensity Type B, Type C

## APPLICATIONS

- Telecommunication Tower
- TV/Radio Tower
- Transmission Tower
- High-rise building
- Industrial Chimney & Cooling Tower
- Tower Crane
- Bridge
- Wind turbine
- Airfield & helipad
- Storage tank & Water tower
- Oil & Gas offshore platform



## SPECIFICATIONS

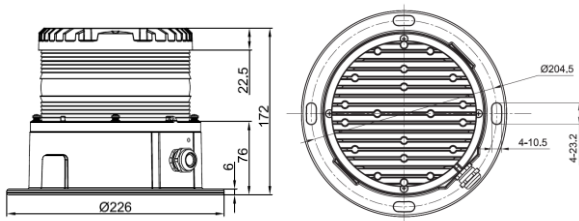
Item		OM2K Specifications
LIGHT OUTPUT	Effective Intensity	>1500cd
	Vertical beam	>3°
	Horizontal Spread	360°
	Light Source	OSRAM LEDs
	LED Color	Red
	LED Lifespan	100,000 Hours
OPERATION	Flash Pattern	Steady/20-60FPM
POWER SUPPLY	Input Voltage	85-265VAC, 50-60Hz / 48VDC / 24VDC / 12VDC
	Power Consumption	25W (Steady), 5W (Flashing)
MECHANICAL STRUCTURE	Lens	Polycarbonate, UV Stabilized
	Body	Aviation yellow powder-coated die-casting Aluminum
	Mounting	Four 10.5*23.2mm slot holes on bottom 204.5mm PCD
	Net Weight	5KG
	Dimension(W*H)	226mm*172mm
	Protection	IP67
	Operation Temperature	-40°C~+70°C
	Operation Humidity	0-95% RH non-condensing
	Wind resistance	Max.240kph
OTHERS	Optional	•Built-in photocell •Dry alarm contacts
	Warranty	5 years

## ORDERING CODE

Main P/N	Voltage	Flashing	Photosensor	Alarm Relay	20KA surge protector
OM2K	A220 (85-265VAC)	[Blank] (Steady)	[Blank] (without photosensor)	[Blank] (without Alarm Contacts)	[Blank] (without 20KA SPD)
	A120 (85-265VAC)	F (Flashing)	P (with photosensor)	R (with Alarm Contacts)	SP (with 20KA SPD)
	D48 (48VDC)				
	D24 (24VDC)				
	D12 (12VDC)				

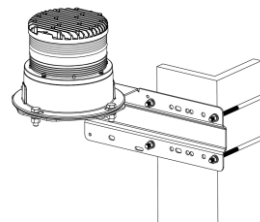
E.g.: OM2KA220FP = LED medium intensity obstruction light, 85-265VAC, red flashing 2000cd, with built-in photocell

## DIMENSIONS



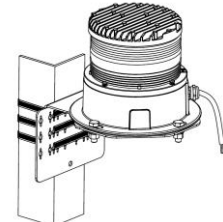
## MOUNTING

### U-bolt mounting



AMP30150-VB bracket (U-bolt holders)  
for dia.30-150mm  
angular/tubular structures

### Cable-tie mounting



AMP30150-CT bracket (Cable tie  
holders) for dia.30-150mm  
angular/tubular structures

