

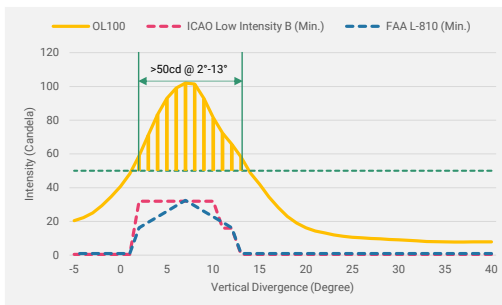
# OL100S LED Low Intensity Single Aviation Obstruction Light

•Effective intensity > 50cd •Peak intensity >100cd



## COMPLIANCE

- Obstacle Light Low Intensity Type A, Type B and Type E, ICAO Annex 14 Volume I July 2016
- L-810 and L-810F, FAA AC No. 150/5345-43F
- DGAC Mexico



## 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

## OVERVIEW

OL100 series low intensity obstruction light complies with low intensity standard of ICAO and FAA. Brighter than OL32, OL100's effective intensity is over 50 candelas and peak intensity is over 100 candelas.

OL100S single LED module consists of 8 ultra-bright OSRAM LEDs. The polycarbonate Fresnel lens concentrates and distributes LED light beams to output standard-compliant intensity and distribution. The efficient optical system and low-energy circuit design make OL100S only consume 6 watts.

More flexible than OL32S, OL100S comes with functions including photocell auto/manual adjustable and flash rate adjustable. It also allows users to configure OL100S as a stand-alone unit or controller-dependent unit via an internal toggle switch.

With a G3/4" universal threaded hub on the bottom, OL100S can be mounted on a conduit or with REDDOT brackets designed for towers and buildings. There is a terminal block on its power board inside for wiring. Prewired cable makes wiring easier without opening light head.

OL100S single obstruction light can be used on top of structures less than 45m. In most cases, multiple OL100S single lights are installed in one or more horizontal levels for marking a structure's outline with medium intensity obstruction lights.

## FEATURES

- 8 pcs of 1W OSRAM LEDs, reliable light source ensures long lifespan
- Effective intensity>50cd, peak intensity>100cd
- The efficient optical design provides excellent light distribution
- Internal LED driver and constant current regulator make the light illuminate steadily
- PCB integrated LED module and circuit provide excellent vibration resistant than E27 type
- GE polycarbonate dome, UV-stabilized
- Bird spike for preventing birds from landing and nesting
- Aluminum base with powder painted, corrosion-resistant
- Silicon gasket enhances waterproof
- G3/4" threaded bottom entry for easily mounting
- Stainless steel safety rope protects light head from fall-off during maintenance
- Built-in 6-pin terminal block for connecting power and alarm
- Prewired cable for easy wiring job without opening light head
- Built-in photocell for auto on/off is available
- Both NO and NC dry alarm contacts are available
- Adjustable Auto/manual for photocell
- Adjustable flash rate (steady/20FPM/30FPM/40FPM/60FPM)
- Working autonomously or controller-required is adjustable
- Protection: Polarity reverse, overvoltage and shortcircuit



## SPECIFICATIONS

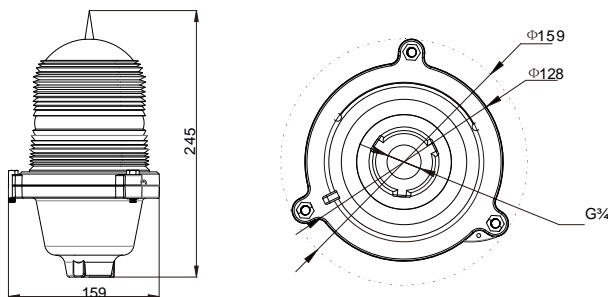
Item	OL100S Specifications	
LIGHT OUTPUT	Effective Intensity	>50cd (Peak intensity>100cd)
	Vertical beam	>10°
	Horizontal Spread	360°
	Light Source	OSRAM LEDs
	LED Color	Red
	LED Lifespan	100,000 Hours
OPERATION	Flash Pattern	Steady/20FPM/30FPM/40FPM/60FPM adjustable
POWER SUPPLY	Input Voltage	85-265VAC, 50-60Hz / 48VDC / 24VDC / 12VDC
	Power Consumption	6W
MECHANICAL STRUCTURE	Lens	<b>Material:</b> Polycarbonate, UV Stabilized <b>Color:</b> White transparent (Standard) / Red (Optional)
	Body	Aviation yellow powder-coated die-casting Aluminum
	Mounting	G3/4" threaded bottom entry
	Net Weight	0.9KG
	Dimension(W*H)	159mm*245mm
	Protection	•IP65 (Standard) •IP67 (With REDDOT 3-piece waterproof fitting)
	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 •3-piece waterproof fitting for IP67 •Red Lens
	Warranty	5 years

## ORDERING CODE

Main P/N	Voltage	Flashing	Photosensor	Alarm Relay
OL100S	A220 (85-265VAC)	[Blank] (Steady)	[Blank] (without photosensor)	[Blank] (without Alarm Contacts)
	A120 (85-265VAC)	F (Flashing)	P (with photosensor)	R (with Alarm Contacts)
	D48 (48VDC)			
	D24 (24VDC)			
	D12 (12VDC)			

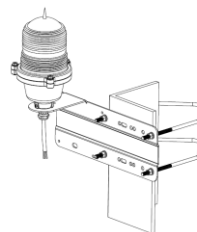
E.g.: OL100SA120P = LED low intensity single obstruction light, 85-265VAC, red steady>100cd, with built-in photocell

## DIMENSIONS



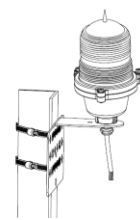
## MOUNTING

### U-bolt mounting



AKU30150-VB bracket (U-bolt holders)  
for dia.30-150mm  
angular/tubular structures

### Cable-tie mounting



AKU30150-CT bracket (Cable tie  
holders) for dia.30-150mm  
angular/tubular structures