OL32 LED Based Low Intensity Obstruction Light

REDDOT OL32 LED Low Intensity Obstruction Light series is a 32.5cd (candela) LED light designed for airway fixed obstacle marking application. It comply with ICAO & FAA regulation. It shares the same mechanical design with OL10, but comes with more LED.

OL32 Series

Intensity	32.5cd, steady
Compliant with	ICAO : low intensity type B
	FAA : L810
	DGAC Mexico

OL32 series double light

Double light is integrated by 2 single lights. For making sure there is always a light working atop of the tower. Two optional working patterns can meet different area's customers.
- "Service+Standby": Only "service light" is working normally. It will auto-transfer to "standby light" in case of "service light" failure
- "Service+Service": Two single lights work simultaneously. Either failure will not affect the other normal working.

Features

- Special optical design provides better light distribution
- LED light source esures long lifetime, maintenance free
- Low power consumption
- Shock and vibration resistant
- Corrosion resistant and UV stable polycarbonate housing
- Ease of mount, mount accessories available
- Available both in single and double type

Application

- Telecomm tower
- Radio tower
- Wind turbine
- Smoke stacks & chimney
- Tall building
- Crane
- Power transmission line

Standard

- ICAO Annex 14, 4th Edition, July 2004
- ICAO low intensity, tpye B
- FAA AC No. 150/5345-43F, 2006
- FAA Type L810
- DGAC Mexico

Specifications

LIGHT OUTPUT	OL32S(Single)	OL32DST①(Double)	OL32DSS②(Double)
Effective Intensity	32.5 Candela	32.5 Candela	32.5 Candela
Vertical Divergence	10 Degree		
Horizontal	360 Degree		
LED color	Red		
LED lifespan	100,000 Hours		
OPERATION			
Flash Pattern	Steady burning(default)		
POWER SUPPLY			
Input voltage	110-220VAC, 50/60 Hz;12VDC;24VDC;48VDC		
Power Consumption	6W	6W	12W
MACHANICAL STRUCTURE			
Lens	Polycarbonate,UV Stabilized		
Body	Die-casting Aluminum		
Water-proof	IP65		
Weight	0.9KG	3.5KG	3.5KG
Dimension	159mmx245mm	340mmx413mmx140mm	340mmx413mmx140mm
Mounting Size	Threaded 3/4'' bottom hub		
Temperature Range	-40C° - +55C°		
Relative Humidity	100% with condensation		
Wind speed	Up to 150mph(240kph)		
Optional	Available in flashing pattern(40FPM) Available with built-in photosensor Available with built-in alarm relay contacts		

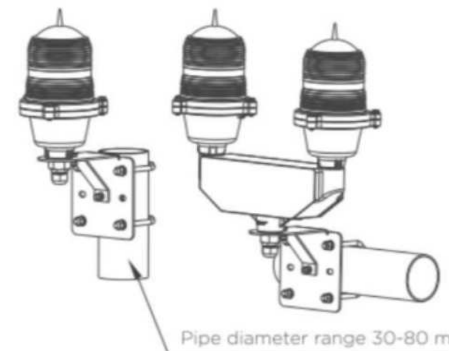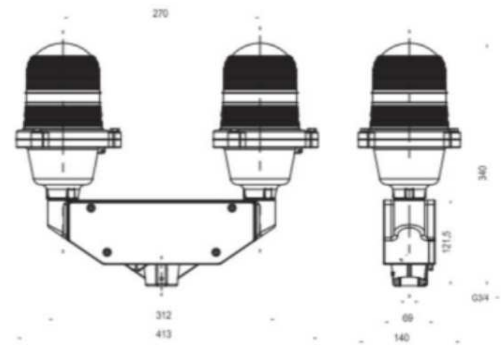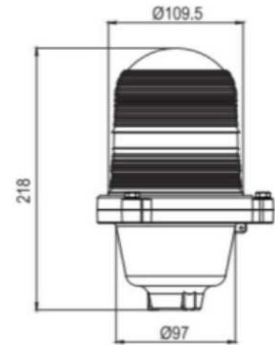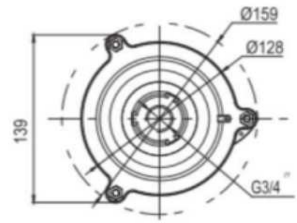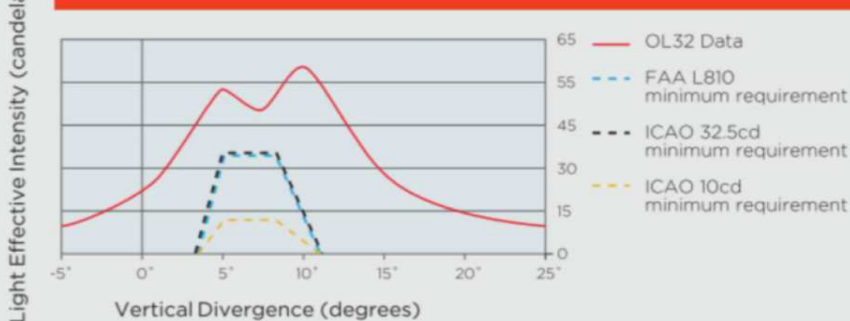① ST: "Service+Standby"   ② SS:"Service+Service"

Order codes

Series	Single/ Double	AC/ DC	Voltage	Flashing	Photosensor	Alarm relay	Pattern(For double light only)
OL32	S	A	12	F	P	R	ST
	D	D	24				SS
			48				
			110				
			220				

For example, OL32DA220SS means OL32 double light, AC220V power supply, red steady burning, "service+service"

Photometric Performance

- OL32 Data
- FAA L810 minimum requirement
- ICAO 32.5cd minimum requirement
- ICAO 10cd minimum requirement

Light Effective Intensity (candela) vs Vertical Divergence (degrees)

Pipe diameter range 30-80 mm

Ordering Code: AKU80
Mounting kit for 30-80mm vertical or horizonal pipe

Pipe diameter range 60-100 mm
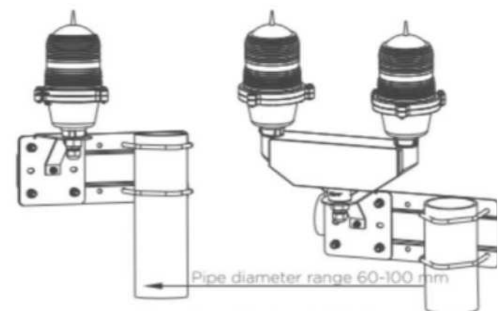
Ordering Code: AKU100
Mounting kit for 60-100mm vertical I pipe