YOL100 LED Based Low Intensity Obstruction Light

Yuan sheng YOL100 LED Low Intensity Obstruction Light series is a 100cd (candela) LED light designed for airway fixed obstacle marking application. It comply with ICAO & FAA regulation. It shares the same mechanical design with YOL10, but comes with high power LED. Use constant current LED driver IC, Compared with similar products, constant flow effect is good and the service life is longer.

YOL100 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

- LED light source esures long life time, 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
- 5 years warranty
- Special optical design provides better light distribution

Application

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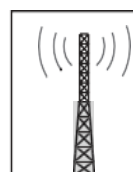- Tall building
- Crane
- Power transmission line

Standard

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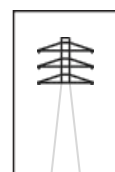- FAA AC No. 150/5345-43F, 2006
- FAA type L810
- DGAC Mexico

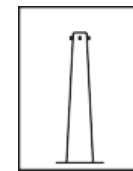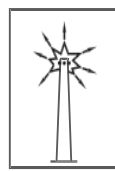| YOL100 Series	
Intensity	100cd, steady
Compliant with	ICAO: low intensity type B
	FAA: L810
	DGAC Mexico

APPLICATIONS
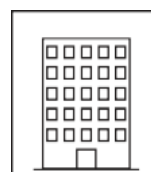
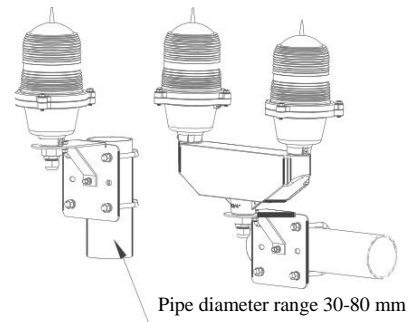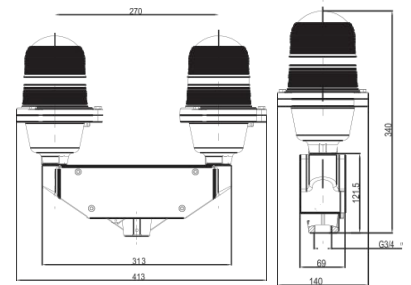buildings   tlc towers   power lines

wind turbines   chimneys   flare stacks

Specifications

LIGHT OUTPUT	YOL100S(Single)	YOL100DST® (Double)	YOL100DSS ©(Double)
Effective Intensity	100 Candela	100 Candela	100 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	IP 65		
Weight	0.9 KG	3.5KG	3.5KG
Dimension	159mmx245mm	340mmx413mmx 140mm	340mmx413mmx140mm
Mounting Size	Threaded 3/4″ bottom hub		
Temperature Range	-40C°~ +55C°		
Relative Humidity	100% with condensation		
Wind speed	Up to 150mph(240kph)		
Warranty	5 years		
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	Flashing/steady	Photosensor	Alarm relay	Pattern(For double light only)
YOL100	S	F	P	R	ST
	D	S			SS

For example YOL100SSPR means YOL100 single light red steady burning with alarm relay contacts. We YOL100 series product 24Vdc 48Vdc 110vac 220vac is the same. but if you need double light or other voltage need to explain(12VDC,24VDC,48VDC, 220VAC)

Photometric Performance

cd

120
90
60
30

0° 2.5° 5° 7.5° 10° 12.5° 15° 17.5° 20°

degrees

Light Effective Intensity(candela)

Vertical Divergence (degrees)

137±2
137±2
G3/4''

231±2
208±2
110

270
340
121.5
313
413
140
69
G3/4

Pipe diameter range 30-80 mm

Ordering Code: AMU80 Mounting kit for 30-80mm vertical or horizonal pipe

Pipe diameter range 60-100 mm
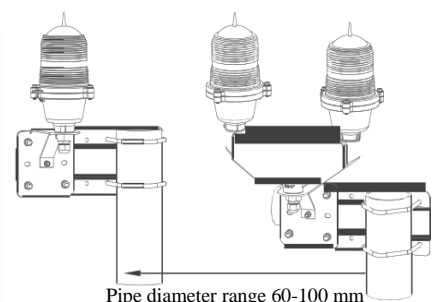
Ordering Code: AMU100 Mounting kit for 60-100mm vertical I pipe