

YS32S Series Solar Powered Low Intensity Single Obstruction Light L-810



■ COMPLIANCE

ICAO lowintensity, Annex 14, Volume 1

■ 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

YS32S series is a self contained LED low intensity solar obstruction light.

The compact solar aviation light comes with 1.8W solar panel and 3.6V/8AH NiMH battery. The solar panel on top of the light absorbs sunlight and charges battery at day. NiMH battery inside provides a reliable power source to the light at night.

UV-stabilized polycarbonate lens is the photometric part of amplifying light intensity and distributing light beams. Robust aluminum body with powder coating provides excellent protection against harsh environments.

With built-in photocell, YS32S solar light automatically illuminates at night. Incorporated intelligent programs, this solar light is capable of working up to 35 days during rainy and cloudy days.

■ FEATURES

8 pcs of ultra-bright Philips LEDs, reliable light source ensures long lifespan
Self-contained solar panel and battery system
Integrated MPPT (Maximized Power Point Tracking) for maximizing sunlight collection
Integrated SBM (Smart Battery Management) for saving energy to extend autonomy
Fresnel optical lens provides excellent light distribution
Bird spike against birds landing and nesting
High-grade NiMH battery provides long lifetime
Autonomy up to 35 days once fully charged during insufficient sunlight days
Protective vent for expelling battery gas and reducing condensation
Built-in photocell for automatically turning on and off from dusk to dawn
Automatically off if continue working 18 hours
IP67 ON-OFF switch for protecting the battery from over-discharging
Stainless steel safety rope protects light head from fall-off during maintenance
GE polycarbonate dome, UVstabilized
Aluminum base with powder painted, corrosion-resistant
IP67 waterproof protection, silicon gasket enhanced
Excellent shock and vibration resistant

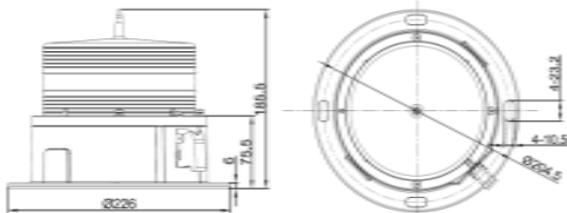
■ SPECIFICATIONS

Item		YS32S
LIGHT OUTPUT	Effective Intensity	>32cd
	Vertical beam	>10°
	Horizontal Spread	360°
	Light Source	Philips LEDs
	LED Color	Red (for obstruction). White, yellow, green and blue are available for other applications
	LED Lifespan	100,000 Hours
OPERATION	Autonomy ^(Note1)	35 days
	Suitable areas ^(Note2)	PSH ≥ 3
	ON&OFF Level	70/100Lux
	Flash Pattern	20-60FPM (40FPM as default)
POWER SUPPLY	Solar Panel Type	Solar Module, Mono-Crystalline Silicon
	Solar Panel Efficiency	15%
	Solar Panel Power	1.8W
	Battery type	NiMH
	Battery Capacity	2 * 3.6V/8AH NiMH battery packs
	Battery Replaceability	Yes, replaceable
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	4.5KG
	Dimension(W*H)	226mm * 185.5mm
	Protection	IP67
	Operation Temperature	-40°C~+70°C
	Operation Humidity	0-95% RH noncondensing
OTHERS	Wind resistance	Max.240kph
	Optional	•GPS •Zigbee Wireless Monitoring
	Warranty	•5 years for light •2 years for battery •10 years for PV

Notes: 1) The days of autonomy indicated in the specs table is once fully charges, how many days the solar light can run during cloudy/rainy days (12 working hours/day), without optional functions .

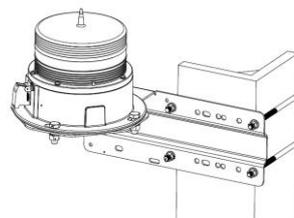
2) PSH is the abbreviation of Peak Sun Hours which reflects solar radiation. 1 Peak Sun Hour = 1000 W/m² of sunlight. The PSH given in the table is a yearly average value. The more PSH value is, The more solar energy potential is. As PSH value varies in different month, please consult YSSIGNAL to select the safest solar obstruction light.

■ DIMENSIONS



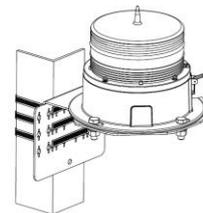
■ MOUNTING

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