

Alrouf LED Low Intensity Solar Powered Aircraft Warning Light



GS-LS/G

Products Description

GS-LS/G Low Intensity Solar Powered Obstruction Light

GS-LS/G low intensity solar powered obstruction light adopts insert solar panel, whose photoelectric conversion efficiency is high to 19% integrated design, cooperate with solar dedicated lithium iron phosphate battery as power supply. Control circuit adopts micro-power consumption single chip microcomputer control chip, which can more precise control the battery's charge and discharge statue. Meanwhile, it can reduce controlling circuit's power consumption. Light source adopts special customized LED chip, which has the specific of high light intensity, low power consumption, long service life and so on. Lampshade adopts PC material, which can corrosion resistance, anti-UV anti-shock. The base adopts marine-grade dedicated plastic material, it can apply to seaways, bridge and chemical plant that have hostile and strong corrosive environment.

Features

- Continuous working time in rainy day can reach more than 15 days (12 hours a day) .
- Photocell can switch ON/OFF the light in rainy days or at night automatically.
- Standardization of optical design, high photoelectric conversion efficiency.
- Adopts high efficient solar chip, photoelectric conversion efficiency is over 19%.
- The integration of the waterproof design, it can work in soaking in sea water, High protection grade IP68.
- Adopts special customized LED chip, transfer efficiency and service life is higher than normal LED.
- Circuit adopts advanced charging and discharging management system, prolong battery's life effectively.
- The lamp extend state switch, it can adjust steady or flashing light working mode base on requirement.
- Provides strong corrosion resistance, lightning resistance, UV resistance, impact resistance.
- The base adopts marine-grade dedicated plastic material, it can apply to seaways, river way, chemical plant and airport that have hostile and strong corrosive environment.
- With anti-bird device.
- No radio frequency (rf), no electromagnetic interference.
- Steady working, low cost.



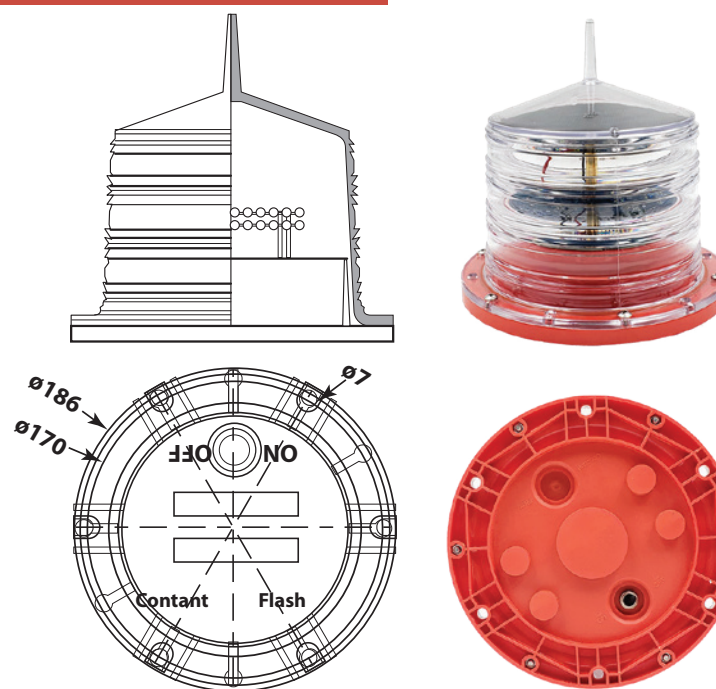
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Specification

Name	Parameter	Name	Parameter
Type	GS-LS/G	Light Source Life	>100000 hours
Power Provider	Mono-Crystalline Silicon Solar panel	Optional Emitting Light Colors	Red
Battery Capacity	3.2V4AH	Battery Type	Replaceable lithium iron phosphate battery
Battery lifespan	>5years	Solar panel voltage	5.5V
Solar panel Power	2W	Solar panel lifespan	>20years
Consumption	≤2W	Vertical Divergence	>10°
Visual Distance	5km	Horizontal Out-put	360°
FAA Classify	L810	Overall Size(mm)	186mm(D)x190mm(H)
Light Source	LED	Installation Size(mm)	D170mmxM6
Working temperature	-40℃~70℃	Wind-speed Ability	80m/s
Storage temperature	-40℃~70℃	Working mode	Steady light or flash
Sun Switch Illumination Threshold	300LUX±100LUX	Steady Burning Intensity	10cd
Continuous Burning Time in rainy days	>15 days (12 hours/day)	Flashing Intensity	32.5cd
Weight	1kg	IP Protection	IP68

Dimension



Application

Block,
Bridge,
Towers,
Communication tower,
Chimney,
Runway,
Heliport,
Traffic barrier,
Tower cranes