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OPT-006LS SINGLE AVIATION WARNING LIGHT WITH SOLAR ENERGY

General Features

Solar-powered Aircraft Warning Lights are designed and manufactured to be used at high points that could be hazardous to aircraft. The system is designed to meet its energy needs using solar panels and battery groups, without requiring external power. It operates for 15 days without sunlight and recharges its battery after 2 days of sun exposure. Thanks to the photosensor, it automatically activates when it gets dark and deactivates when it becomes light.

The OPT-006LS solar-powered aircraft warning light consists of a solar panel, battery group, fixture, and battery charging circuit, and can be activated with a single cable. To make the system operational, it needs to be installed in place and the two cables on the system need to be connected to each other.

1-Blink System:

Lamps blinks 20-40 times in a minute.

2-Continuous System :

On this option system works continuously

Solar Panel:

The solar panel should be installed facing south in the northern hemisphere and facing north in the southern hemisphere.

The following features can be added to the solar-powered aircraft warning light upon customer request:

- **Warning signal** : If there is any error in system, it warns with ignition output
- **Auto Control** : When it's not active (day time), system checks itself on every 10 minutes and warns the operator if there is any error in system.

P.S. All these additional conditions need a cable connection from system to control panel.

System Assembly:

System will be mounted to an appropriate tower. M8x60 bolts with nuts will be used.

Certificates: CE Certificate, ISO 9001 Certificate

System Functionality Test

The initial tests of the system must be conducted before mounting it on the tower.

Test steps;

- 1-Check the physical conditions of the system. Be sure that system is not damaged.
- 2-Read the user manual in the package completely.





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TECHNICAL SPECIFICATIONS

Standard:	ICAO (Aerodromes Annex 14) ve FAA-L810
Led Count:	132 pieces Ultra Bright Leds
Total Candela:	810.000 mcd
Visibility Range:	10 Km in Dark and clear environment conditions
Visibility Angle:	Horizontal Angle: 360 ° Vertical Angle: <10
Operating Time:	Operates according to the lighting level, does not considers temporary lighting.
Led Life:	100,000 hours
Blink Life:	Lamps blinks 20-40 times in a minute
Battery Voltage in Solar Working:	12V/12 Ah (1 Units)
LED Test:	Exists (Uninterrupted test at night, Once in 10 minutes at daytime)
Alarm Output	Dry Contact Output. Normally Open or Normally Closed (Optional)
Energy consumption:	6~7 Watt/hour
Body Paint:	Ral-7032 Elektrostatik Polyester
Uninterrupted Working by Solar Unit:	4 days and nights with a full charge
Operating temperature:	-55°C ~ +85°C
Protection Class:	IP-66
Light Chamber:	Polycarbonate (Red) resistant to heat, frost and ignition
Solar Panel \ Solar Panel Body:	20W-25W \ Aluminium Casting., Polycarbonate Window
Weight:	11.5 kg
Dimensions:	80cmx29cmx52cm
Warranty:	2 years

