

SAL1

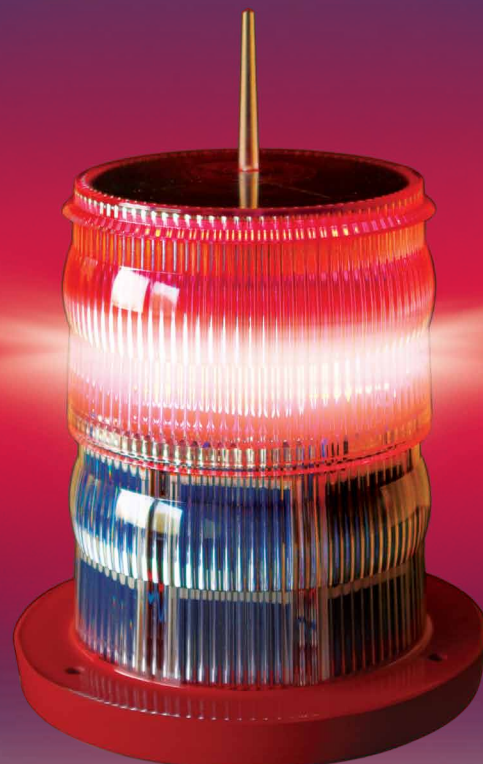
AUTONOMOUS SOLAR POWERED LOW INTENSITY AVIATION OBSTACLE LIGHT type "A" and type "B" according to ICAO requirements – Anex 14 and FAA requirements – AC 150/5345-43E

SA L1 IS A LED SOURCE OF LIGHT, DESIGNED FOR MARKING AVIATION OBSTACLES OPERATING IN BLINKING MODE.

SA L1 IS EXCEPTIONALLY COMPACT WITH A SPECIAL CONSTRUCTION FOR MORE EFFICIENT UTILIZATION OF THE SUN LIGHT AT LATITUDES OVER 40°. THE CORPUS IS RESISTANT TO DIFFERENT ATMOSPHERIC INFLUENCES AND IT IS HERMETIC.

IT CAN BE INSTALLED WITHIN MINUTES WITHOUT ANY ADDITIONAL EQUIPMENT AND EXTERNAL POWER SUPPLY.

A SPECIALIZED MAINTENANCE IS NOT REQUIRED.



SAL1

MAIN CHARACTERISTICS

For the device

Latitude	60° S to 60° N
Luminous level	turn on 70 Lux turn off 100 Lux
Approx life time	5 years
Operating mode	no maintenance, autonomous
Operating temperature	- 40° C to 80° C
IP degree / watertight/	IP 67
Control mode	Intelligent controller
Overall dimensions	H = 240 mm / Ø = 178 mm
Weight	1,9 kg

For the lamp

Luminous peak intensity	type A > 10 cd, type B > 32 cd
Flashing modes	60 blinks per minute
Emitted light colours	red

For the solar panel

Type	monocrystalline type
Maximal power	1,7 Wp
Effectiveness	16 %

For the battery

Type	lead acid, gell, hermetic, no maintenance
Nominal Voltage	4 V
Capacity	5 Ah

For the mechanical construction

Type of optical material	polycarbonate
Battery ventilation	by a special valve

COMPOSITION OF THE EQUIPMENT

- The following components are included in the construction:
 - LED light source;
 - photovoltaic solar panel;
 - controller;
 - battery;
 - valve for battery ventilation.

FUNCTIONS OF THE BUILT IN CONTROLLER

- Lamp's switch on/off regarding the luminance
- Setting the luminous intensity mode
- Setting the flash mode
- Administration by remote control
- Optimum charging/discharging batteries control.

Ordering SAL1

type lamps

A > 10 cd

B > 32 cd