

SA-2B



Aviation Marking Light with Autonomous Solar Power Supply

THE AVIATION MARKING LIGHT SA-2B IS A LED LIGHTING SOURCE. IT IS USED FOR AIRFIELD TAXIWAY LIGHTING.

THE LIGHT IS EXCEPTIONALLY COMPACT. IT CAN BE INSTALLED WITHIN MINUTES WITHOUT ANY ADDITIONAL EQUIPMENT AND AN EXTERNAL POWER SUPPLY.

THE CORPUS IS RESISTANT TO DIFFERENT ATMOSPHERIC INFLUENCES.

SA-2B CAN OPERATE IN A CONSTANT LUMINOUS MODE AS IN DIFFERENT FLASHING MODES.

THE LUMINOUS OPERATING MODES CAN BE SET UP BY A REMOTE CONTROL.

IT IS NOT REQUIRED A SPECIALIZED MAINTENANCE.



SA-2B

MAIN CHARACTERISTICS

For the device

Luminous modes	flashing	constant
Autonomous operation	300 hrs	150 hrs
Necessary number of solar hours for minimal autonomous operation	1.5 hrs	3 hrs
Latitude	55° S to 55° N	
Luminous level	on 70 Lux off 100 Lux	
Approx life time	5 years	
Operating mode	no maintenance, autonomous	
Operating temperature	- 40° C to 80° C	
IP degree	IP 67	
Control mode	Intelligent controller	
Overall dimensions	H = 125 mm / Ø = 178 mm	
Weight	1.87 kg	

For the lamp

Luminous intensity	~ 6 cd	~ 2cd
Vertical divergence	~ 6°	
Horizontal divergence	360°	
Emitted light colour	blue	
Flashing modes	5	

For the solar panel

Type	monocrystalline type, potted with UV protected polyurethanes and domed for higher efficiency	
Maximal power	1.5 Wp	
Effectiveness	14 %	

For the battery

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

For the mechanical construction

Type of optical material	polycarbonate	
Battery ventilation	by a special valve at the bottom of the lamp	
Hermetic/Air proof	polyurethanes grouting	

COMPOSITION OF THE EQUIPMENT

- The following components are included in the construction:
 - LED light source;
 - photovoltaic solar panel;
 - controller;
 - battery;
 - valve for battery ventilation.
- Options:
 - Remote control by infrared programmer
 - Installation accessories
 - Security bolt .

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.