

# SA-2B-M

## Aviation Marking Light with Autonomous Solar Power Supply

### SPECIALLY FOR LATITUDE OVER 40°

*THE AVIATION MARKING LIGHT SA-2B-M 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-M 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-M

ESPECIALLY FOR LATITUDE OVER 40°

## 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	60 ° S to 60° 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 = 210 mm / Ø = 178 mm	
Weight	2.13 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 installed power	3.9 Wp	
Maximal effective power	1.8 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.