

# SA 190



## AIRCRAFT WARNING LIGHT SYSTEM WITH SOLAR POWER SUPPLY

A SET FOR SIGNALIZATION OF HIGH BUILDINGS, TOWERS, PILLARS, CHIMNEYS ETC., WITH A HEIGHT HIGHER THAN 45 M TO BE MARKED AS OBSTACLES FOR AVIATION AS PER ICAO AND FAA REQUIREMENTS.

THE SETS CONSISTS OF: 1 LAMP ALOM 1 TYPE "B" 20 FPM AND  
2 LAMPS ALOL 2 TYPE "B"

INSTALLATION FRIENDLY (UPON UNPACKING YOU NEED TO FIX THE EQUIPMENT TO THE POLE ONLY).

FACILITY FOR FIXING THE ANGLE OF THE SOLAR PANEL ACCORDING TO THE DIFFERENT LATITUDES OF THE SITE.

FACILITIES FOR INSTALLATION ON DIFFERENT TYPES OF POLES INCLUDING EXISTING ONES.



# SA 190

**AIRCRAFT WARNING LIGHT SYSTEM with solar power supply,  
medium intensity type "B" according to  
ICAO requirements – Anex 14 and FAA requirements – AC 150/5345-43E**

## TECHNICAL CHARACTERISTICS

- Autonomy 10 nights.
- Automatic switch "on" the lamp when it is dark.

## LIGHT SOURCES

Emitted light colour	red
IP degree	IP 66
Approx life time	100 000 hours
Operating temperature	-40° C to 60° C

### ALOM 1 type "B" 1 pcs.

Luminous intensity	0°	$I_0 > 1500 \text{ cd}$ (2000 cd $\pm 25\%$ )
at elevation angle:	-1°	$75\% I_0 > I_{-1} > 50\% I_0$
	-10°	$I_{-10} < 3\% I_0$

Vertical beam spread	> 3°
Dimensions	H = 410 mm; W = $\varnothing$ 168 mm
Weight	7 kg

### ALOL 2 type "B" 2 pcs.

Luminous intensity	> 32 cd
Dimensions	H = 112 mm; W = $\varnothing$ 58 mm
Weight	0,380 / 0,760 kg

**Option:** Can be mounted separately. Please contact factory for cable lenght.

## BATTERY

Type	Sealed maintenance free, Flame retardant, Lithium technology
Capacity	100 Ah
Nominal voltage	23 V
Charging	built in intelligent charge controller (BMS & MPPT)
Lifespan	22 years (8 000 charging cycles)

## SOLAR MODULE

Type	Monocrystalline, Advanced EVA encapsulation system with triple-layer back sheet
Peak power	190 Wp
Lifespan	25 years

## PARAMETERS OF THE MECHANICAL CONSTRUCTION

Realization	Monoblock structure Aluminum cast alloy + stainless steel
Dimensions (folded)	1600 x 810 x 400 mm
Diameter of the pole at the place of fixing	from $\varnothing$ 70 up to $\varnothing$ 200 mm
Weight	59 kg

