

# IV-4.1 (10Cd) SOLAR

## LOW INTENSITY TYPE A ICAO

Solar obstruction light. High brightness LED with light beam concentration optics (10°).

Developed for the signaling of meteorological towers, telecommunications, cranes, chimneys, airfields, bridges, marinas and any structure up to 45m high.

### BENEFITS

**Easy and fast installation.** No grid connection needed.

**High reliability** thanks to its intelligent energy load and consumption management software.

**No maintenance costs** for changing lamps or batteries.

**Indicated for** installations in places without network access. Easy relocation

**Easy to use:** place the switch in the "ON" position and it will work automatically for more than five years.

**No need for lightning insulation.**

**Wide range of options** that allow you to adapt to very varied environments.

### MEET THE FOLLOWING SPECIFICATIONS

ICAO (Annex 14, Volume I, 7th edition, 07/2016) / AESA CS-ADR-DSN (Book 1, 4th edition, 12/17), by STAC-DGAC No. 2018-075 / OBS.  
 UNE EN 61000-4-3 (Electromagnetic Compatibility) / UNE 20-324-93 EN 60520 (Code IP-66) (Degree of Protection) / UNE-EN-60068-2-30: 00 (Humid Heat) / UNE- EN-60068-2-14: 00 (Humid Heat, Cold-Heat) / NSS ISO 9227: 1990 (Corrosion in Salt Fog) / UNE-EN 60068-2-2: 97 (Dry heat 80°) / UNE-EN 50102 : 96 A1: 99 (Protection degree IK08 / une-en 60068-2-1: 96 (Climatic chamber at -33°) / UNE-EN 12352: 2000 (Luminous device class L2L) / Manufactured in the European Union CE.



### MODELS:

#### IV-4.1 (10Cd) TypeA OACI

IV-4.2 (32Cd) Type B OACI

### TECHNICAL SPECIFICATIONS:

<b>Energy:</b>	Solar		
<b>Intensity:</b>	> 10Cd (ICAO Type A Compliant).		
<b>Solar panel:</b>	Monocrystalline, built-in. Twilight detection included.		
<b>Batteries:</b>	Incorporated (suitable air transport) (D.O.T., I.A.T.A., F.A.A., C.A.B.).		
<b>Load management:</b>	Electronic load control by CPU.		
	<b>Flashes</b>	<b>Fixed</b>	
<b>Autonomy approx.</b> (10 hours/day):	60 nights	12 nights	
<b>Operational life:</b>	5 years (except extreme climatology).		
<b>Light source:</b>	5 high intensity LED (100,000 hours).		
<b>Visibility:</b>	Vertical angle beam: 10°.		
<b>Temperature:</b>	-20 to +50°C		
<b>Construction:</b>	PMMA polycarbonate and Luran technical plastic with high impact resistance, U.V. radiation, salinity, corrosion, high and low temperatures.		
<b>Protection degree:</b>	IK08, IP66		
<b>Weight:</b>	3,2 Kg aprox. (standard batteries)		
<b>Dimensions:</b>	233mm base x 178m height		

## OPTIONS:

### Light colors:

Red, White, Blue, Green, Amber.

### Mode:

Fixed, Flashes (40 DPM), Sparkles with specific pattern.

### Function:

Night, 24h (optional).

### Synchronization:

Possibility GPS synchronization (consult).

### Communications:

GPRS, RF.

### Fault alarm:

Dry contact.

### Anchorage:

Vertical mast or wall.

Horizontal tube.

Horizontal surface. Airfield deflector panel 45°.

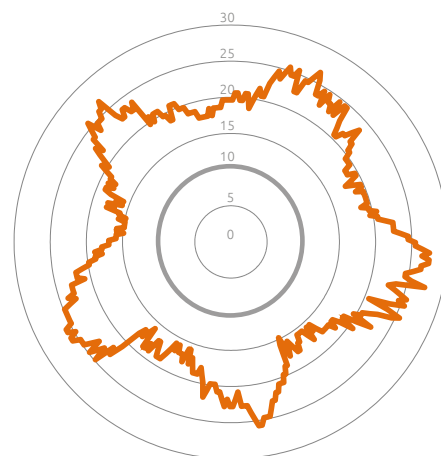
Cone support for surface.

### ICAO Certification (Vol. 1, Annex 14, Table 6.3.)

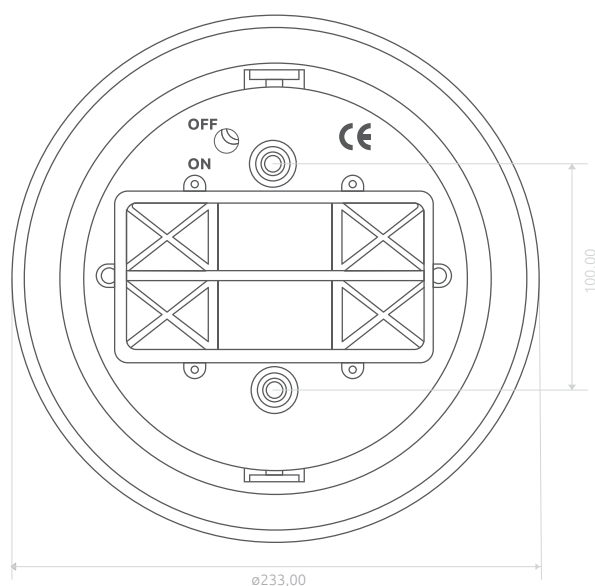
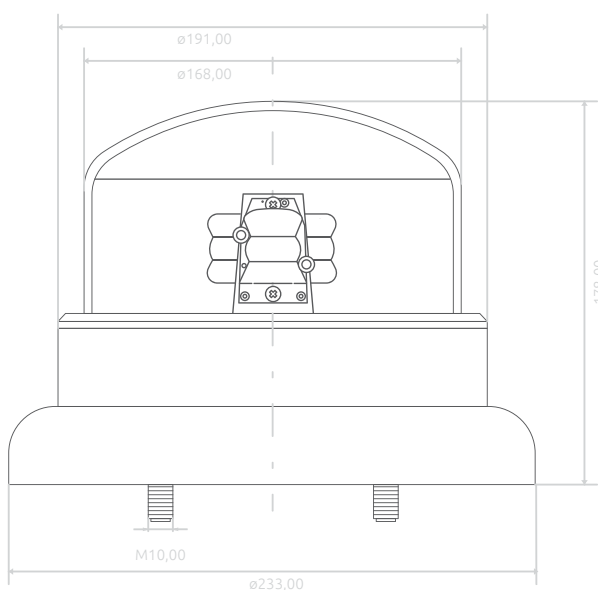
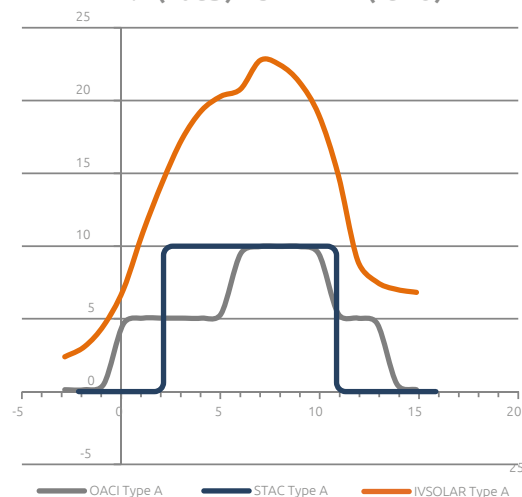
By STAC-DGAC (Fr.) AIDO-ENAC (Esp.).



IV-4.1 (10CD) VS TYPE A (ICAO)



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Beacon, elevation and base plans.

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