

# IV-4.1 (10Cd) HYBRID

## LOW INTENSITY TYPE A ICAO

Hybrid powered beacon which combines solar and electric energy. 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

The beacon **can work in the absence of solar radiation, electrical connection or (temporarily) in the absence of both.**

**Maximum reliability and flexibility.** Able to operate in the greatest number of adverse environments.

**Recommended for** places with long periods without solar radiation or with the risk of electric power cuts.

**Great ease of relocation.**

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

**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) Type A OACI**

IV-4.2 (32Cd) Type B OACI

### TECHNICAL SPECIFICATIONS:

<b>Energy:</b>	Solar + Electrical (90-264V AC, 47-63Hz)	
<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°. Horizontal angle beam: 360° Azimuth.	
<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 178mm height.	

## OPTIONS:

### Light colors:

Red, White, Blue, Green, Amber.

### Mode:

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

### Function:

Night only (built-in day / night detector).

Night / 24h (specific push button model).

### Synchronization:

Possibility GPS synchronization.

### Communications:

GPRS, RF.

### Fault alarm:

Dry contact.

### Anchorage:

Vertical mast or wall.

Horizontal tube.

Horizontal surface.

Airfield deflector panel 45°.

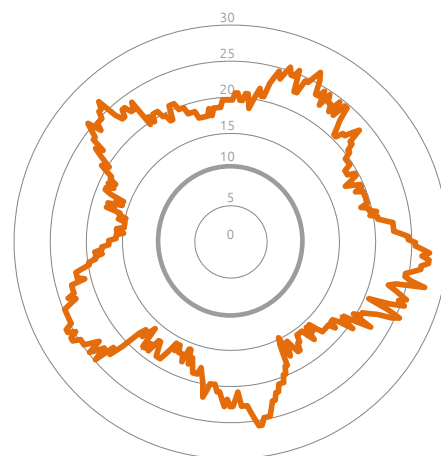
Cone support for surface.

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

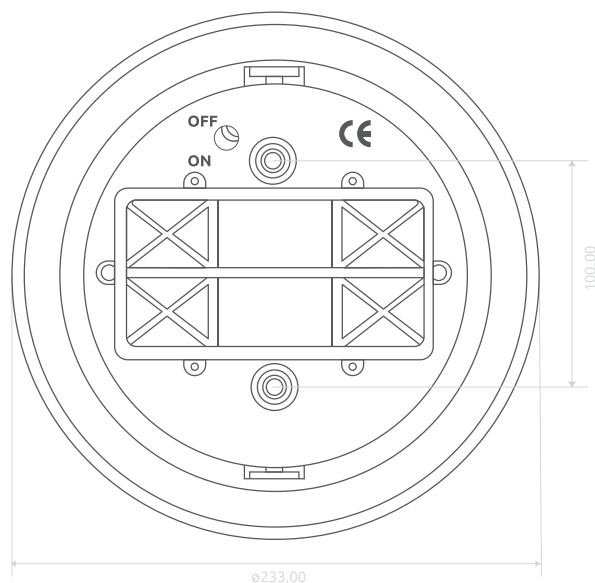
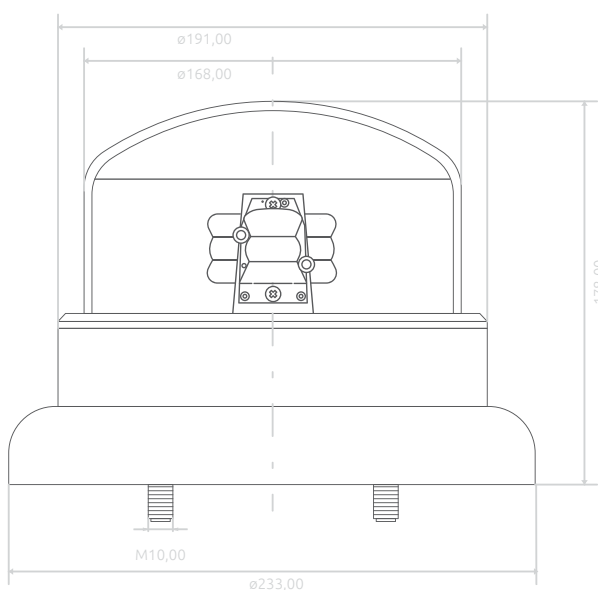
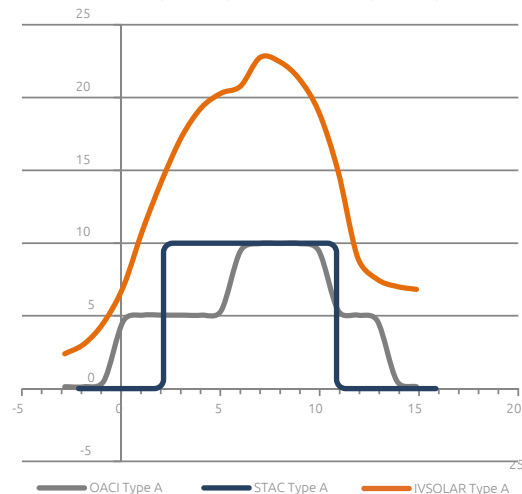
By STAC-DGAC (Fr.) AIDO-ENAC (Esp.)



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



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Beacon, elevation and base plans.

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