

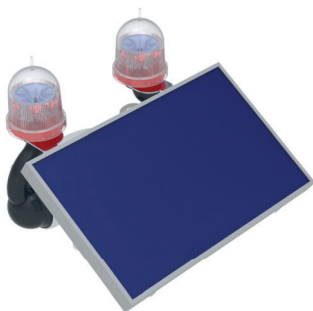
# LOW INTENSITY OBSTRUCTION LIGHTS

## SOLAR TYPE A – SINGLE AND TWINY

### RED STEADY BURN – 10 CD NIGHT



SOLEO TYPE A - SINGLE



SOLEO TYPE A - TWINY\*

\* One lamp serves as main, the other as back-up.

## 01. DESCRIPTION

The **SOLEOBIA** and **SOLEOBIA TWINY** are environmentally friendly systems, dedicated to an autonomous night beaconing (red steady burning). The long life LEDs (100,000 hours) enable to have a maintenance free system, and the solar station is dimensioned for more than 120 hours of autonomy. The device is provided with a photocell for an automatic switch ON / OFF and a dry contact for failure alarm. It is also available with a 110-240V input as back-up power supply. The TWINY version is equipped with a second light bulb and with the exclusive redundant DELTA BOX system, which is automatically tested at each start-up. In case of failure of one light bulb, the second light bulb automatically switches on. The specific design of the box is the most convenient solution on the market for installation: the mounting frame is part of the box and its arms can be adjusted in horizontal or vertical position.

## 02. ADVANTAGES

- Long life time > 10 years
- Proven solar technology and dimensionning
- Autonomous system (no need for other power supply)
- 2-year warranty
- Zamac box with epoxy powder painting
- Available with cable length between the lights and the solar unit for an easier accessibility to the box and panels

## 03. APPLICATIONS

Rules concerning aircraft beaconing are established by the ICAO (Annex 14, Chapter 6). Low intensity beacons can be installed on structures up to 45m in height.

## 04. MODELS

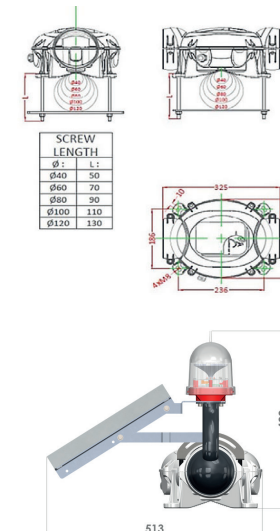
REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT	TYPE	OPTION
SOLBIA10C	Solar (12V)	✓	-	Single	-
SOLBIA10C-M/A	Solar (12V)	✓	-	Single	With ON/OFF switch
SOLBIA10CS	Solar (12V)	✓	-	Single	With 230V back-up
SOLBIA11C	Solar (12V)	✓	✓	Single	-
SOLBIADBC	Solar (12V)	✓	-	Double	-
SOLBIATWC	Solar (12V)	✓	-	TWINY	-

BATTERY REFERENCE	TYPE	QTY PER LIGHT
0A0204	AGM 12V 7 Ah	2

## 05. CHARACTERISTICS

LUMINOUS	
Luminous source	Red LEDs
Horizontal / Vertical beam	360° / 10°
Luminous intensity	> 10 cd
MTBF	100 000 hours
ELECTRICAL	
Voltage	Solar
Operating temperature	-10°C to +55°C
Solar panel	20 W Polycrystalline (12V)
Battery	2x AGM 12V 7Ah
Autonomy	120 hours (without charging)
MECHANICAL	
Body material	Zamac
Lens material	Polycarbonate
Mounting	M8 screw (in option)
Height / Width	425 mm / 510 mm
Weight	< 15 kg
Solar panel dimensions	365 mm x 240 mm
ENVIRONMENTAL	
Humidity	100%
Frost	-60°C
Wind speed	240 km/h
Protection class	IP66
CERTIFICATIONS	
CE	EN60947-1 ; CEI60364, NF C15-100 2014 / 35 / UE
ICAO	Annex 14, Volume I, Chapter 6
Quality	ISO 9001 : 2015
WARRANTY	
Warranty period	2 years

## DIMENSIONS



Vertical installation  
(on a pole or wall-mounted)

## AVAILABLE VERSIONS

UNCOUPLED BULB	230V BACK-UP	REINFORCED	WITH INFRARED
<p>Can be provided with 5 to 20m of cable between the bulb and solar unit, to ease maintenance operations.</p>	<p>The ZAMAC box is provided with a 110-240V input for a back-up power supply.</p>	<p>Available with a 30W solar panel for areas with low sun exposure.</p>	<p>The infrared option uses IR LED technology. It provides night visibility with specific glasses (NVG). It consumes very little (&lt;5 Watts) and will flash as per the behavior of the light.</p>

## SCOPE OF APPLICATIONS

