# IVS2.0
## Obstruction Lights
## IV-4.3

Certificate in accordance with the requirements of the ICAO (Annex 14-Volume 1 International Civil Aviation Convention


**Obstruction lighting standards according to ICAO low intensity rate b at 32 Cd CONNECTED TO MAINS.**

## General Features

IVSOLAR JUUGrup

Steady light only lit night, color red for obstacles less than 45 meters
360, 5 LEDs last deneración super high gloss.
Optical reduction degrees to 10 degrees, forming a line dehorizontal up to the obstacle.

### Main features

Light signaling system connected to MAINS
Electronic management system
Free maintenance for 5 years
Led technology, light intensity up to 32.000 mCd (32 Cd)
Steady light or flashing
RF synchronization system, simultaneous flashes

### General characteristics

| | |
|---|---|
| Covering dome | Polycarbonate (PMMA) |
| Protective material and/or icon base | LURAN technical plastic |
| Energy | Electric power |
| Consumption | 16,8 W |
| Tension | 230 VAC |
| Light source | High intensity LED (divers colors) |
| Visibility | Omnidirectional, Bidirectional, Unidirectional. |
| Resistance | To blows; U.V. rays; saline conditions; corrosion; High and low temperatures |
| Anchor system | Sturdy; efficient and secure, with antitheft devise |
| Reflector | Added to the casing, level 3 |

1. With the battery at 100% load at the beginning of the cycle
2. Levels of internal temperature over 80% and at low temperature below -5%, affect the operational life of the battery, which is 5 years maximum.

## Optical features

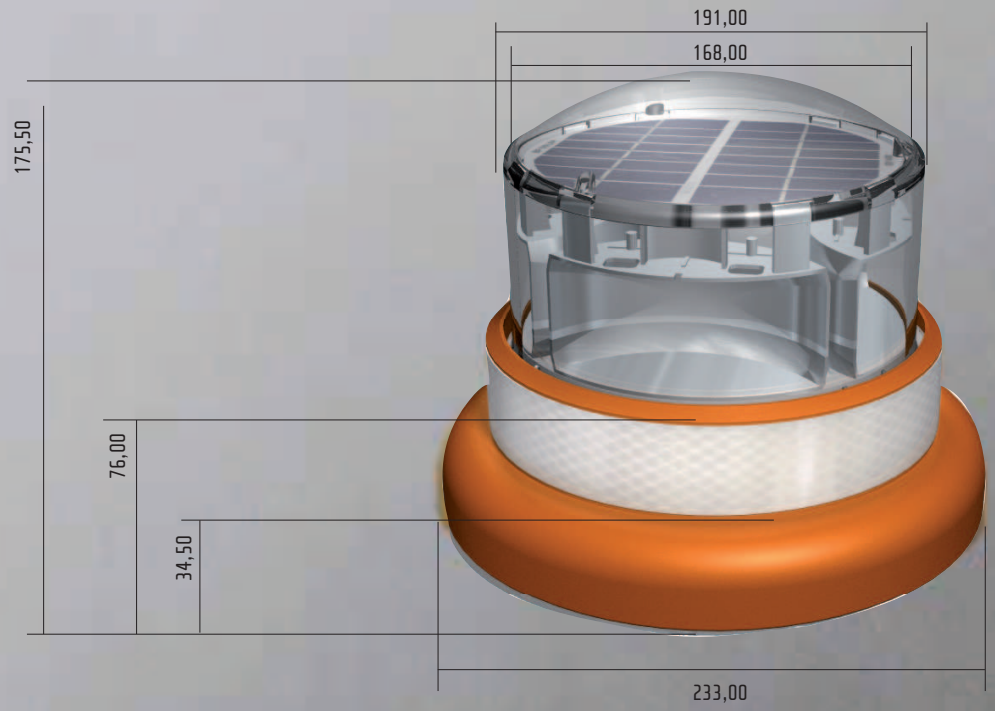
Yellow, red, green, blue or white LED diodes
Omni directional optic 360º
Bidirectional optic 180º
Unidirectional optic 90º
Diminution of light emitted to less than 30% after 100.000 operational hours

## Advantages

Safety, reliable and high light output.
Friendly environment.
Repayment within one year.
Patent granted in EU and USA among others.

## Specifications carried out

(1) Electromagnetic compatibility test under UNE EN61000-4-3 (98) radiation immunity regulations
(2) Measurement tests of the degree of protection for the first and second feature figure under UNE 20-324-93 (EN60520:1991+ Erratum:1993) Code IP IP6x Ip-66 regulations
(3) Luminous photometric distribution measurements tests, polar curves. Luminous range. Exp.21006536
(4) Cyclical humid head test, under UNE-EN-60068-2-30:00 regulations
(5) Cyclical humid heat/cold test -10ºC + 80ºC, under UNE-EN 60068-2 14:00 regulations
(6) Fast corrosion of neutral saline fog test over a 168 period, under NSS ISO 9227:1990 regulations.
(7) Dry heat test. Climatic chamber up to 80ºC, under UNE-EN60068-2-2:97 regulations
(8) Measurement test of the protective casing, under UNE-EN50102:96 A1:99 Degree IK08
(9) Measurement test of the protective casing at an ambient temperature of -50ºC, under UNE-EN 50102:96+A1:99.IK transparent casing. IK08 opaque casing.
(10) 16 hours climatic chamber test at -33ºC, under UNE-EN 0068-2-1:96
(11) Test concerning the specifications UNE-EN 12352:2000. Setting that the IV solar Beacon fulfils all the light device features L2L.

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