IVSOLAR
JUUGrup

Obstruction lights
IV_4.5 70 Cd.

Obstruction warning lights

360º Red Colour flashing Light.
High Brightness: 5 last generation LEDs
Optical reduction until 10 degrees angle, making a horizontal line at obstacle level.

Main features.

Energy_
Solar Powered Light Signalling System. High efficiency photovoltaic solar panel. Day / Night sensor incorporated.

Energy Control_
CPU Control Unit for electronic charge control and regulation.

Autonomy_
12 days with fog and/or clouds, but situated to receive radiation on a sunny day (diffuse light). (1).

Operative life_
5 years in unfavourable weather conditions. (2)

Range temperature_
- 10º C + 80º C

Storage_
Magnetic water-proof switch.

Constructed_
Polycarbonate PMMA and Luran technical plastic. Impact resistant, UV rays, saline conditions, corrosion, high and low temperatures.
External battery box IP 66, wired to beacon

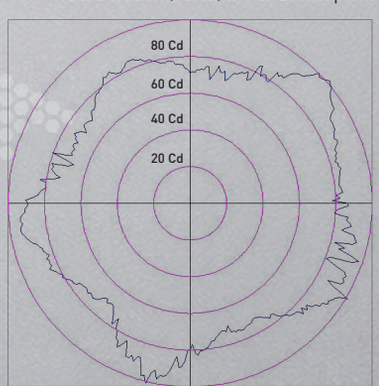
Light Source_
5 High Intensity LEDs, with angle reduction opticals. Omni directional Visibility. More than 100,000 operative life. Only Flashing Light.
Radio frequency Signalling System.
External battery box IP 66, wired to beacon.

Colors_
Red, Blue, Yellow, Green and White.

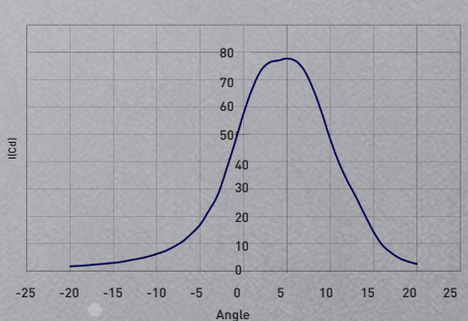
Intensity_
Led technology, up to 70 Cd.

Safety_
Level 3 Reflector added to the casing,
Efficient and secure Anchor system, with antitheft device.

Polar representation of Luminous Intensity Angular Distribution (70 cd) in horizontal plan.



Cartesian representation of Luminous Intensity Angular Distribution (70 cd) In vertical semi-plans.



(1) With the battery at 100% load at the beginning of the cycle, 8 nightly hours.
(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.

IVS 2.0

IVSOLAR
JUUGrup

Obstruction lights
IV_4.5 70 Cd.

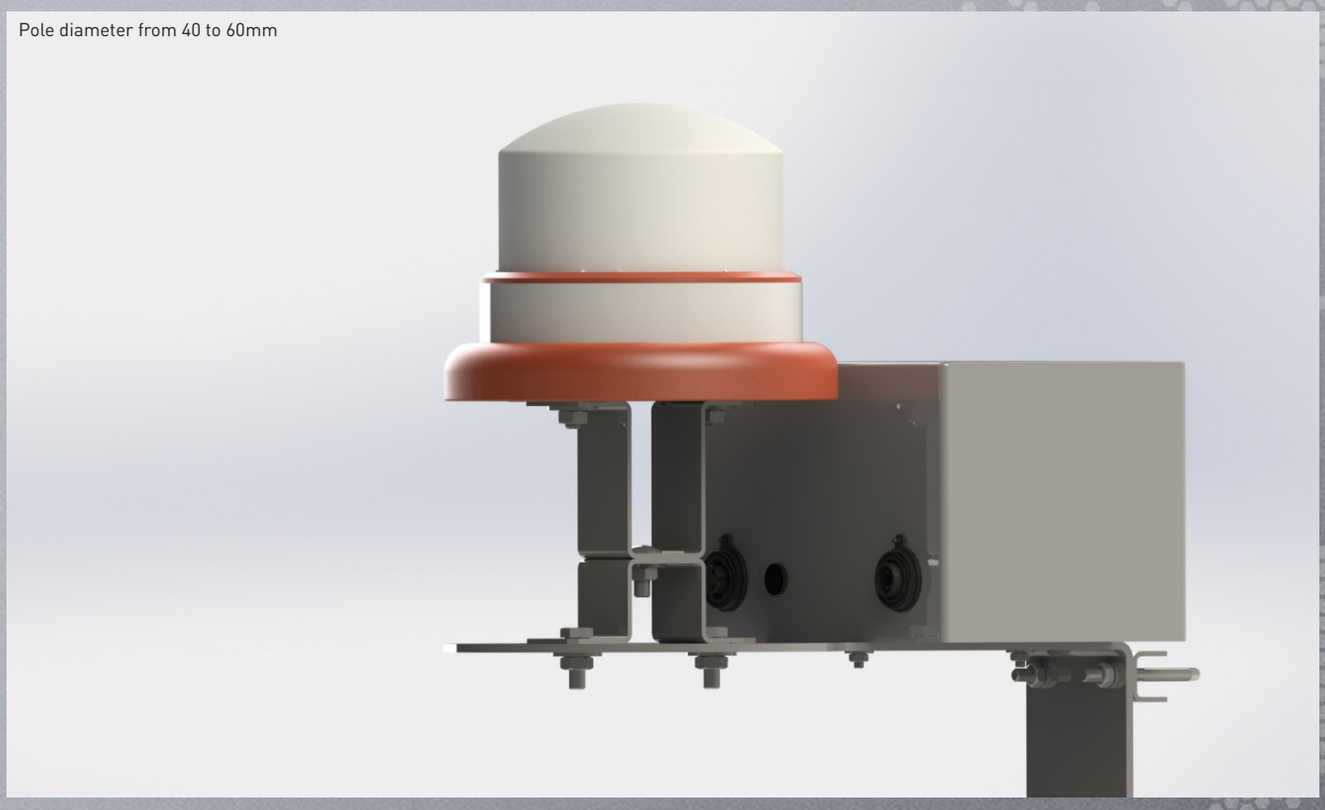
Advantages_

External box with access for charging battery (voltage: 6 V).
Safety, reliability and high luminous performance.
Solar energy without maintenance.
Environment friendly.
Without electricity consumption and without battery replacement.
Amortization into the first year.
Beacon synchronization without cables, without maintenance.
U.E. and U.S.A. patents granted among others.

Specifications carried out_

1. Electromagnetic compatibility test under ENE EN 61000-4-3 (98) (radiation immunity) regulations.
2. Measurement tests of the degree of protection for the first and second feature figure under UNE 20-324-93 (EN 60520: 1991 + Erratum: 1993) (code IP IP 6x IP-66) regulations.
3. Luminous photometric distribution measurement tests, polar curves. Luminous range, Exp. 21006536.
4. Cyclical humid heat 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 hour period, under NSS ISO 9227:1990 regulations.
7. Dry heat test. Climatic chamber up to 80ºC, under UNE-EN 60068-2-2:97 regulations.
8. Measurement test of the protective casing, under UNE-EN 50102:96 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 climactic chamber test at -33ºC, under UNE-EN 0068-2-1:96.
11. Test concerning the specifications UNE-EN 12352:2000. Setting that the IVSolar Beacon fullfils all the device class L2L features..
12. OACI (VOl.1) Certificate, annex 14, table 6.3.
13. Made in European Union.

Pole diameter from 40 to 60mm



IVSOLAR
JUUGrup

C/Segre, 22
08110 Montcada i Reixac (Barcelona)
Tel.: +34 902 998 941
Fax: +34 933 205 666

www.ivsolar.com

Dealer: