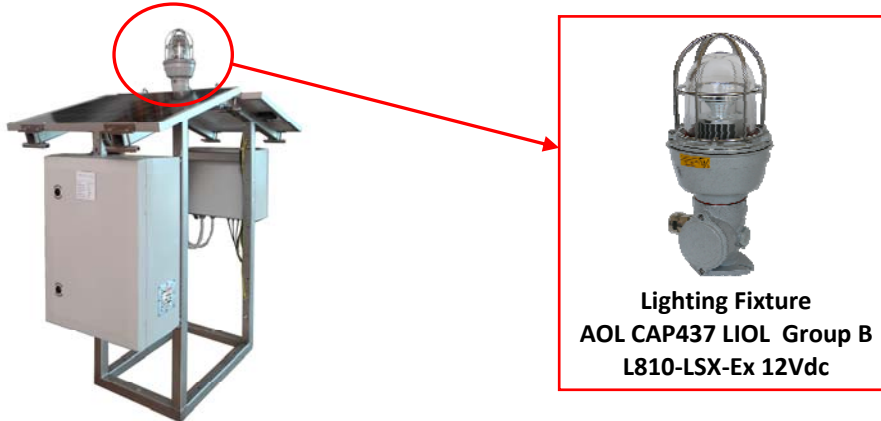


SOLAR POWERED LOW INTENSITY OBSTRUCTION LIGHTS CAA CAP 437 Compliant

Low Intensity Obstruction Lights, night mode, suitable for safe area installation. LED signal lights (red lights) compliant with **CAP 168 Group B**. Equipped with Qty. 2 solar panels, suitable to mark a moving structure.



DIMENSIONS AND WEIGHT OF COMPLETE SYSTEM:

- ✓ Base pedestal for floor fixing: 800mm x 500mm
- ✓ Overall dimensions: 1605mm x 1260mm x 1800mm (H) including AOL & Solar Panels
- ✓ Weight: 163kg (all included)

PRELIMINARY MAIN FEATURES:

- ✓ Obstruction Light type: L810-LXS-Ex de (used in safe area)
- ✓ Light source: LED
- ✓ Dome material: borosilicate fused tempered glass, self-cleaning
- ✓ Body material: marine grade aluminium, painted in compliance with manufacturer procedure (Cortem), suitable for offshore use, external colour RAL 7035.
- ✓ Tropicalization as for manufacturer standard for offshore use
- ✓ Light Fixture Execution: IP66
- ✓ Light Fixture Ambient temperature: -50°C to + 55°C
- ✓ Working temperature range for all system: from - 20°C to + 50°C
- ✓ Working voltage: 12Vdc
- ✓ Daily power consumption: 128Wh/day (AOL activated 14 hours/day) (Note 2)
- ✓ Luminous intensity: >200 candelas (compliant with CAP 168 Group B)
- ✓ Support structure made in AISI 316L, not painted
- ✓ Control & Battery boxes made in rugged polycarbonate
- ✓ Solar panel power: 120Wp (x2), type multi-crystalline (note 1)
- ✓ Battery capacity: 12V 110Ah - VRLA (GEL)
- ✓ Expected battery back-up (autonomy): (note 2)
 - 5 "no sun days" (120 hours) at 0°C (notes 2 & 3)
 - 6 "no sun days" (144 hours) at +25°C (notes 2 & 3)
 - 4 "no sun days" (96 hours) at -15°C (notes 2 & 3)
- ✓ Fixing accessories (bolt and nuts) included, made in A4 material

Notes:

1. This system is suitable to work correctly in a site that assures at least 1,5kWh/m²/day of daily solar radiation. In a site, where the solar radiation is less, the working of the AOL during night time could be discontinued. So, in this case, the auto shut-off of the system is possible, with automatic restart when the battery is partially recharged.
2. In the battery sizing we have considered also 25% of derating for aging
3. When the minimum working temperature is lower than -15°C, the autonomy of the battery can be reduced, less than 96 hours