

Offshore AIS-ATON Obstacle warning



Clean energy progress is based both on renewable energy sources and respectful local inhabitants life conditions.

Cosiderable attention has recently been paid to the issue of light pollution in urban environment, especially in coastal settlements. **From 31st December 2022 it will be mandatory to switch off AWL-Aircraft Warning Lights devices with no presence of any aircrafts in enclosed airspace.**

LUXSOLAR AWLs are the only ones on the market to have intergrated AIS-ATON and Transponder Receiver.

Aircraft Warning

From 31st December 2021 the use of Transponder equipment on board of any aircraft at night has become mandatory. LUXSOLAR AWL installed on wind pylons will be equipped with Transponder receiver capable of acquiring approaching aircraft data.

Specific electronical system will process the acquired data and control AWL switching on/off calculating the distance and the approach/departure speed of the aircraft.

Offshore installation

LUXSOLAR AWL installed on wind pylons will be equipped with AIS-ATON system in order to communicate obstacle presence to approaching vessels.

Vessels will receive obstacle GPS position and, simultaneously, AWL will switch one; both these signals will be switched off as soon as the vessel distances.

LUXSOLAR has given priority to compliance wih regulations obtaining:

- Light pollution drastic reduction
- Power consumption reduction
- Material consumption reduction
- Increase AWL life

LUXSOLAR obstacle warning devices



LUXLAN AIST

It is an AWL integrated system capable of acquiring data from approaching vessels AIS. LUXLAN AIST calculates distance between vessel and obstacle through GPS position. If the distance is less than a set limit, AWL will switch on. If the distance is more than a set limit, AWL will remain off or switched off. This system is free of ATON signaling.



LUXLAN ATON3

It is an AWL integrated system capable of acquiring data from approaching vessels AIS. LUXLAN ATON3 will process data and provide GPS position informations to all vessels through AIS communication.



LUXLAN TRPRE

It is an AWL integrated system capable of acquiring data from approaching aircraft. If the distance between aircraft and obstacle is less than a set limit, AWL will switch on. If the distance is more than a set limit, AWL will remain off or switched off.



LUXLAN RD10

It is an AWL integrated system installed on primary wind generator (MASTER) capable of setting proper AWL functioning mode on secondary wind generators (SLAVE).



LUXLAN HIWR

It is an AWL integrated CLOUD system installed on primary wind generator (MASTER) capable of communicating system status and functioning to user through LUXSOLAR web page.

In the case of a wind farm, these communication devices do not necessarily have to be installed on all individual generators. It is possible to equip only generators located on peripheral sides.

LUXSOLAR specialists are at your disposal for support in wind generators AWL system choice.

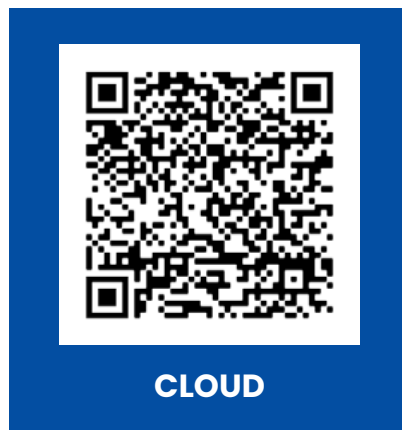
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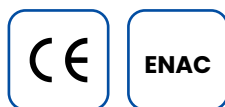
PATENTED

AWL for wind generators available offshore in different configurations

- DUAL Medium Intensity AWL MIOL-AB/AC
- Medium Intensity AWL CAP764
- Medium Intensity "OREI-W" SAR activity
- Medium Intensity "OREI" SAR activity
- "HELIHOIST" LIGHT



CERTIFICATIONS



COMPLIANCE



FEATURES

BASE alu AL	COVER BOROSILICATE	TEMPERATURE -30°C +50°C	PROTECTION IP66	RECYCLING ∞ ON	SAFETY SELF extinguishing	LED LED SMD	DAY CD 20000	NIGHT CD 2000	OPTION TWIN OPERATIONS
DAY 45W	NIGHT 10W	WARNING LED LIGHT DO NOT STARE INTO THE BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS CLASS B LED PRODUCT	TESTING Photometric Test	PROTECTION GORE TEX	TESTING tested at 240km/h	EASY INSTALL	WIND RESISTANCE up to 80m/s ²		

@20 FPM

All products are MADE IN ITALY and CERTIFIED