obsta®

RELIABILITY IN OBSTRUCTION LIGHTING






Obstruction lighting

for

Wind turbines

Compliant with ICAO, and FAA listed

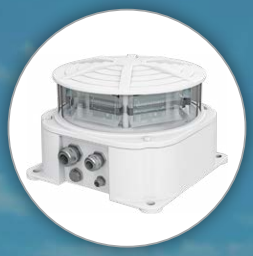
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OBSTRUCTION LIGHTING FOR WIND FARM

AT THE TOP

Dual-color medium intensity





Or

Red medium intensity

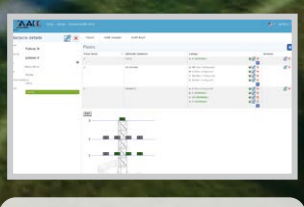


REMOTE CONTROL
of your wind farm

OBSTALINK



INTERNET



OBSTA WEBSITE OR CLIENT

Aircraft Detection Lighting System (ADLS)

DAY & NIGHT

OFD-RW dual-color medium intensity

Compact and Integrated

ICAO



- ICAO medium intensity type A, B and C
- Hard glass protection
- Robust construction in aluminium
- Hexagon shape with 6 modules each including white, red and infrared led circuits
- NVG visible as per FAA standard
- Simple installation with no losing parts
- Normally open or normally close relay available in case of lamp or power supply default
- Smart beacon with communication capabilities (CAN, TCP Modbus)
- Type 2 surge protection with indicator
- Photocensor and GPS built-inside, for flash synchronisation between each windturbine
- Power supply inside the flash-head
- Low weight (10kg) and compact design

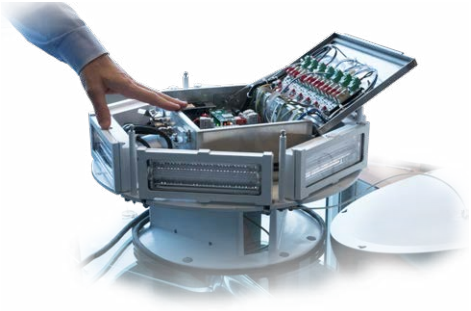
OFI360-RW L-865/L-864

Medium intensity

Fully modular system

ICAO





- ICAO and FAA L-865 / L-864 ETL listed
- 6 independent and replaceable LED projectors in aluminum and glass
- Power supply housed in a stainless steel box inside the beacon.
- 20 light indicators allowing rapid diagnosis (GPS, LED circuits, fault)
- 7 independent LED circuit power boards: 6 for white mode and 1 for red
- FAA approved infrared
- Dual stage surge protection
- Design with captive parts
- Normally open and normally closed fault contact available
- Smart beacon with communication capability (CAN, Modbus TCP)

NIGHT ONLY OPERATION

OFC L-864 red medium intensity



Direct power supply wiring

Aluminium cast moulded base

- ICAO verified Type B & C, FAA L-864 ETL listed
- Self-contained, 360° plug and fix
- Made of hard glass (no plastic) 2 LED circuits
- ICAO medium intensity type B or C
- Alarm in case of light or power failure
- Very low power consumption (Below 5W with ICAO setting or below 10W with FAA L-864 setting)
- Surge protection included
- NVG compatible, IR verified by the FAA advisor and compliant with local regulation in EU
- Dimensions: 20cmx20cmx20cm, weight : 5kg

OBSTALINK



- Control of the power consumption of each light or group of lights (3 maxi.)
- Control of the external dry alarm contact (normally close or normally open) of each light (if available on the obstruction lights) or other external contacts (12 maxi.)
- Control of the DC power source (batteries from the solar kit or the battery cabinet)
- Periodic control of the system, every 30 minutes with automatic message (Notan)
- Last sent message in case of power failure (dead-man switch)
- Status of obstruction lights
- Alarm threshold settings on the server
- Stainless cabinet with cable inputs by gland nickel plated brass, IP66
- Connexion of an external photocell (for red only obstruction lights)
- Compatible with other brands of obstruction lights
- 4G LTE modem with 2G and 3G for internet connection (MQTT protocol)
- RJ45, IPV6 port supporting ModBus TCP & MQTT
- Aircraft Detection Lighting System (ADLS) compatible
- EN 18031-1 and EU Cyber Resilience Act (CRA) compliant

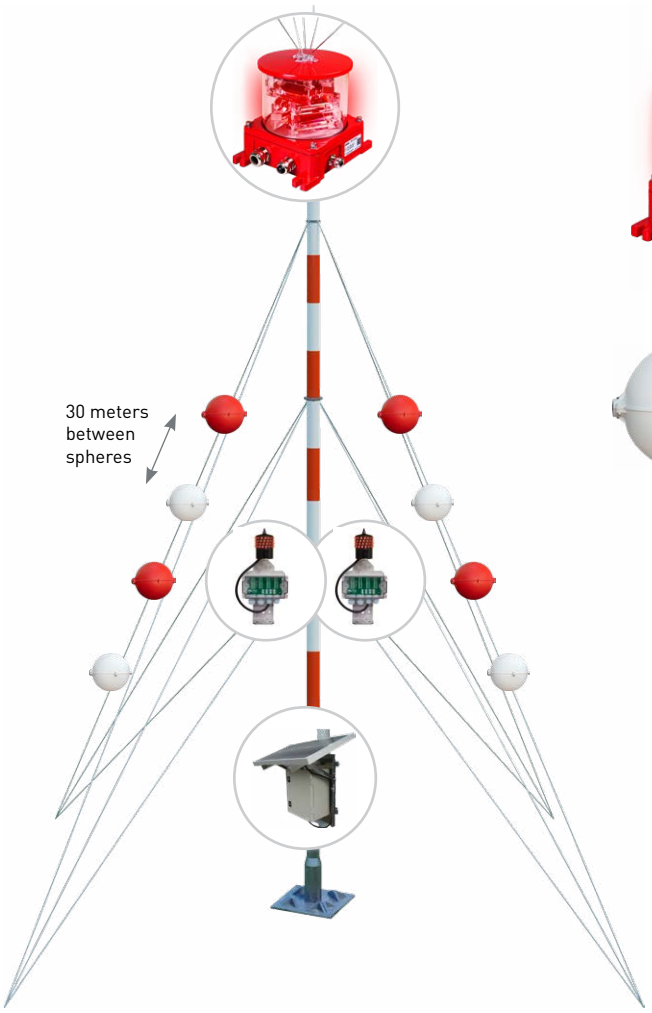
OPTION WITH ADDITIONAL LIGHT AT MID LEVEL

For wind-turbines above 150 meters high, additional 3 or 4 low intensity type B or E or FAA L-810(F) may be added around the mast at mid level of the mast

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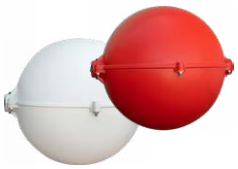
Solar obstruction light system for windmast

with over-the-air monitoring of lights + solar kit





1 red medium intensity light at the top



Marking spheres 600mm diameter to indicate the guyed cables supporting the pylon



1 or 2 low intensity lights at mid level



1 kit solar kit (size based on latitude/longitud)
+ Obstalink











Why Choose OBSTA?

- *Expertise for decades*
- *Certified & Reliable Products*
- *Comprehensive Solutions*
- *Long-Term Partnership*

1 2 3 4

FAA ICAO

CONSULTING & REGULATORY GUIDANCE

ICAO and FAA regulations can be complex. OBSTA's experts guide you from day one by analyzing your structure (wind turbines, pylons, cranes, chimneys, high-voltage lines, buildings), recommending the appropriate obstruction light(s) (low, medium, or high), and ensuring full compliance with international standards. We help you move forward with confidence.



PRODUCT SELECTION & SUPPLY

OBSTA offers a comprehensive range of obstruction lights designed for every application and environment. Whether you need a solar-powered solution, infrared night-vision compatible lighting, or a complete control and monitoring system, we have the right product.



INSTALLATION SUPPORT

Our team can provide full technical support during the installation phase — remote assistance, detailed documentation, wiring diagrams, and on-site commissioning when needed. We ensure your lighting system is up and running correctly, safely, and on schedule.

EXTENDED WARRANTY

MAINTENANCE & LONG-TERM SUPPORT

Aviation safety never stops. OBSTA supports you throughout the lifetime of your installation with spare parts, upgrades, and technical assistance. As regulations evolve, we help you stay compliant and keep your infrastructure performing at its best.

Some references on all continents and conditions









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