



RELIABILITY IN
OBSTRUCTION
LIGHTING



OBSTRUCTION LIGHTING FOR WIND TURBINE



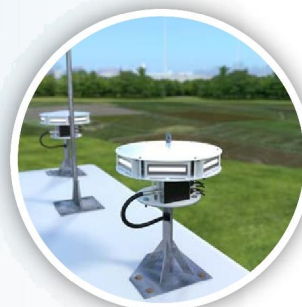
Obstruction lighting for wind turbines

AT THE TOP LEVEL

OFC
Compact Medium
Intensity Red

Or

OFI
Medium Intensity
Dual color



AT MID LEVEL

NAVILITE Low Intensity type E





OPTION WITH DAY AND NIGHT OPERATION

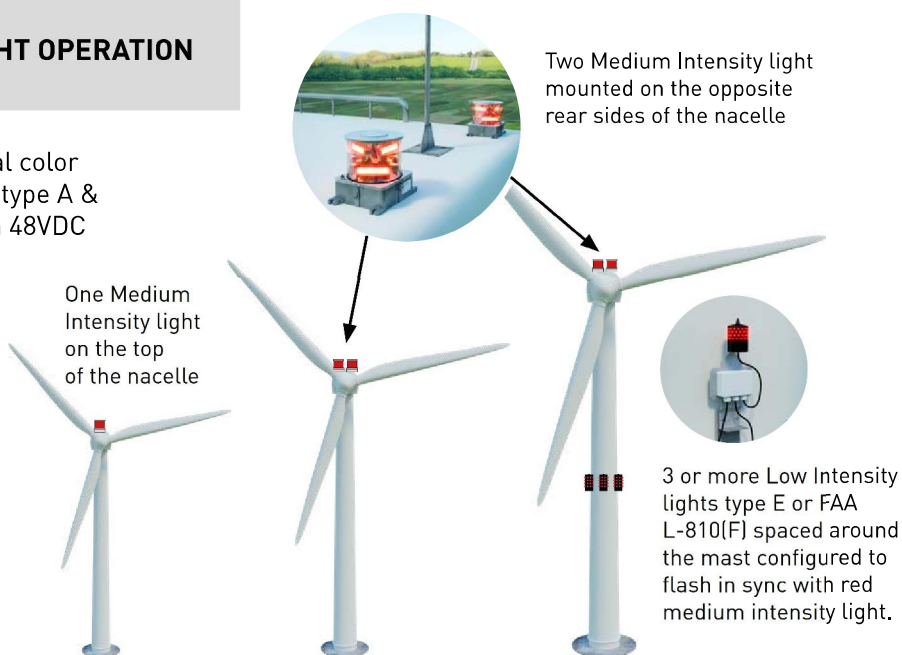
At the top of the wind turbine, one or two dual color Medium Intensity type A & B or type A & C or type A & Feuer_W_rot or FAA L-865/L-864 powered in 48VDC depending on the country registrations

For FAA, 1 or 2 L-864 flashing red light at the top of the nacelle depending on the height of the wind turbine :

- 1 single FAA type L-864 if
wind turbine \leq 499ft (152m)

- 2 FAA type L-864 if
499ft (152m) \leq wind turbine \leq 699ft (213m)

- 3 or more FAA type L-810(F) spaced around
mast at mid level for **turbine > 699ft (213m)**
need to be added.



OFI360-RW dual color Medium Intensity First fully modular beacon

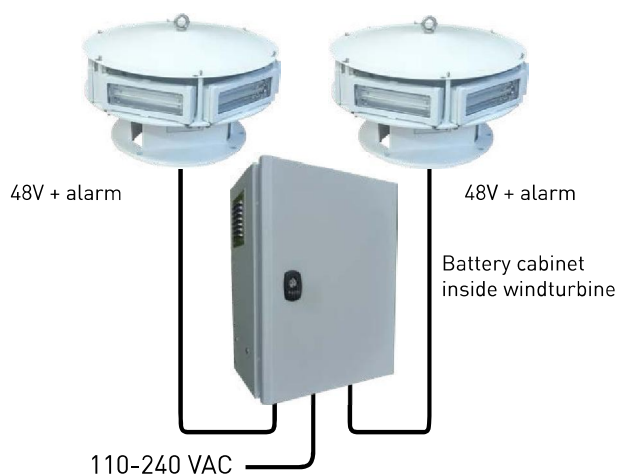


Dual color Obstaflash with DC integrated power unit



- ICAO medium intensity type A & B/C compliant
- FAA L-865/L-864 certified
- 6 independent and fully replaceable LED projectors in aluminum and military graded glass
- Dc power unit inside the flashhead in a stainless enclosure
- 2 white led circuits in redundancy per projector
- Dual level Surge Protective Device (AC and DC) for longer life expectancy and improved reliability
- Made up with captive parts

Inside the wind turbine, one 48 VDC battery cabinet (240 VAC input power) with battery back-up



Set chargers / batteries

- Metal enclosure
- 110 VAC to 240 VAC input, 48 VDC output
- 12 hours back up
- Protection against transient overvoltages on AC and DC side
- Protection against deep discharge batteries
- Operating temperature : -30/+55°C



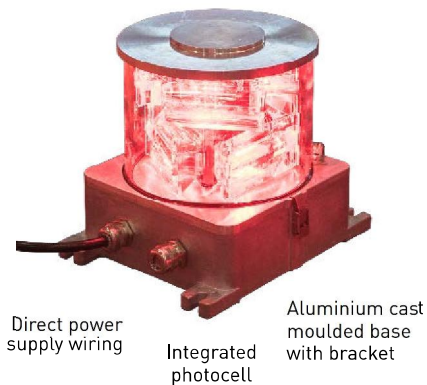
OPTION WITH NIGHT ONLY OPERATION

(in the option the wind turbine may be painted with red stripes for the day marking)

At the top of the nacelle, one or two red Medium intensity type B or type C or FAA L-864 or Feuer_W_rot powered in 48 VDC

OFC Red Medium Intensity

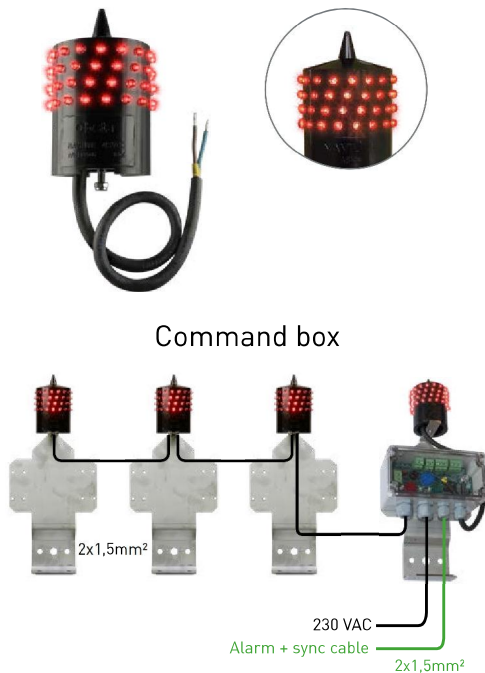
STAC



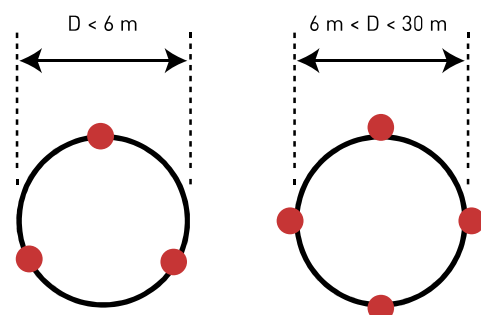
- ICAO verified Type B & C, FAA pending
- Self-contained, 360° plug and fix
- Projectors made of hard glass (no plastic) 2 LED circuits
- Configurable flash rate (ICAO MI type B) or steady burning (OACI MI type C)
- Alarm in case of light or power failure
- Very low power consumption
- Surge protection included
- Optional GPS interface for synchronisation
- NVG compliant under FAA and Suisse OFAC directive in option
- Dimensions: 20cmx20cmx20cm, weight : 5kg

NAVILITE Mid Level

NAVILITE 48 VDC body with a luminous part



- ICAO verified Type B
- Bird spike
- Very compact
- Resin molded for IP67
- Full waterproof
- No corrosion
- 64 LED in redundancy
- No grounding issue (Class II) Photocell Alarm in case of light or power failure Surge protection 1 to 4 lampes possible to be connected
- Control up to 4 NAVILITE 48 VDC in fixed or flashing mode (low intensity type E)
- Surge protection
- Alarm in case of light or power failure
- On/off and top synchronized with red medium intensity light at night only
- powered in 48 VDC through same battery cabinet than medium intensity or directly in AC.
- Top sync from medium intensity

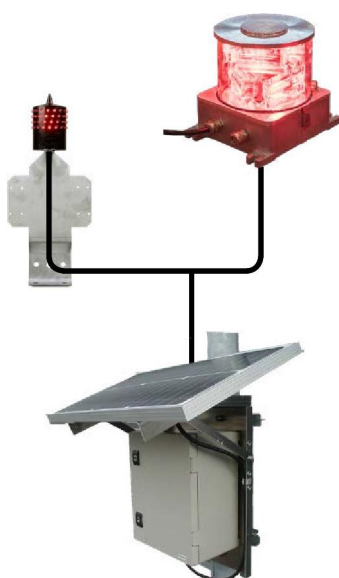


OPTION WITH ADDITIONAL LIGHTS AT MID LEVEL

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

OBSTRUCTION LIGHTS FOR WIND-MAST

painted with red and white stripes for the day



1 red medium intensity at the top

1 or 2 low intensity at mid level

1 solar kit

