



RELIABILITY IN
OBSTRUCTION
LIGHTING



Obstruction Lighting for POWERLINES

www.obsta.com

DAY & NIGHT MARKING FOR TOWERS HIGHER THAN 45M



OFD Medium Intensity White & Red at top level

*White during daytime and
red during night*

- Type A & B compliant to ICAO, CAA
- Hard Glass and Aluminium. IP66 verified
- Easy installation with only captive parts
- Surge protection included
- Optional GPS interface for synchronisation
- 30cm diameter x 30cm height - Weight: 11 kg

or



OFC Medium Intensity Red Only at top level

- Type B & C compliant to ICAO, CAA and FAA L-864
- Hard glass and aluminium. IP66 verified
- Easy installation with only captive parts
- Very low consumption
- Optional GPS interface for synchronisation
- Dimensions: 20cmx20cmx20cm - Weight: 5 kg

> 45M



NAVILITE (optional) Low intensity Red at intermediate level

- Type A & B compliant to ICAO, CAA
- Very compact with one mounting screw
- 64 LED in redundancy, resin molded
- Fully waterproof (IP67)
- No corrosion
- 6cm diameter x 10cm height - Weight: 370g



SOLAR KIT Autonomous power supply

- Size calculated from localization and options
- Long life solar gel batteries
- Initial capacity with at least 6 days of autonomy
- Protection of the battery against deep discharges
- Surge protection

HVLITE - CONDUCTOR WARNING LIGHT

LED & Induction Type

Nighttime every 70m nearby airport, 105m otherwise

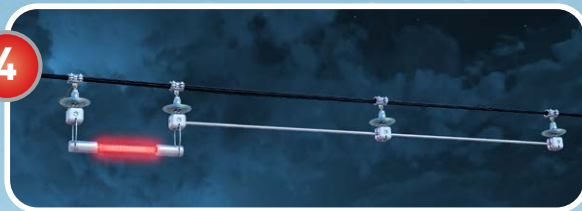
4



- Versions from 11 kV to 550 kV
- ICAO compliant Low Intensity Red steady-burning light
- Only 2 halves of anodized aluminium
- Most effective form factor against vibrations and wind
- 4 captive screws for assembly in few minutes
- Inductive power supply requiring 10 A

or

4



- Versions from 60 kV to 550 kV
- ICAO compliant Low Intensity Red steady-burning light
- Hard glass cold neon discharge tube
- OBSTA patented and manufactured from 1938
- No maintenance through decades
- Light intensity independent from current

5



PLASTIC WARNING SPHERE 600MM

Every 30M on OPGW or conductor up to 132kV*

- ICAO and CAA compliant
- Polyethylene, fast mounted per half
- EPDM clamps to not damaged the cable
- 8 drainage holes to prevent water accumulation
- Available in red, white and orange aviation
- * Up to 70°C continuous operation on conductor

or

6



ALUMINIUM WARNING SPHERES 600MM

Every 30M on power cables up to 400 kV

- ICAO Compliant
- Fast mounting per half with latches
- Only 1 person required for installation, only captive parts
- 8 drainage holes to prevent water accumulation
- Long durability in all climate conditions
- Available in red, white and orange aviation

5

GROUND CABLE

4

7

6

7



BIRD-FLIGHT Diverter

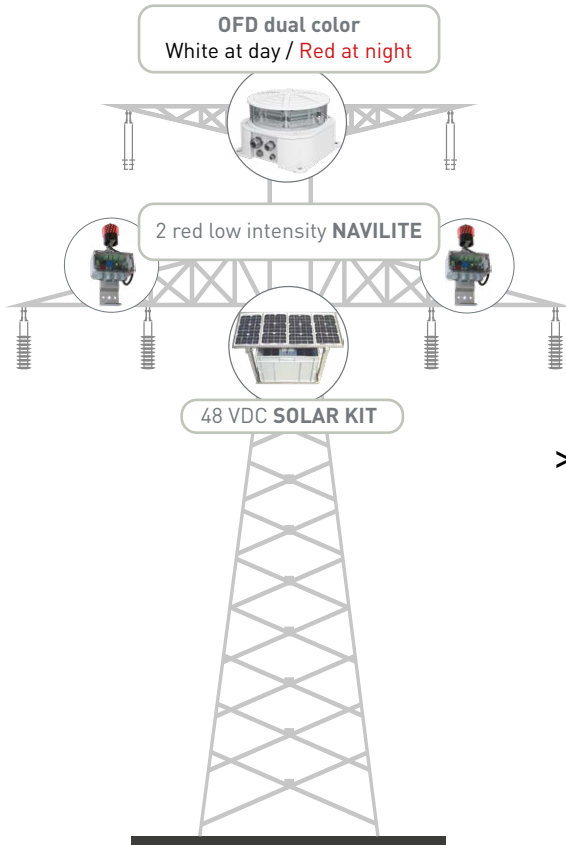
- Made with high impact PVC with UV protection
- Full unit or half available
- Low weight
- Quick and easy manual installation
- Positive grip on the conductor
- Available in dark gray, yellow, white or red

SUMMARY OF ALL CONFIGURATIONS

According to ICAO Chapter 6 Annex 14

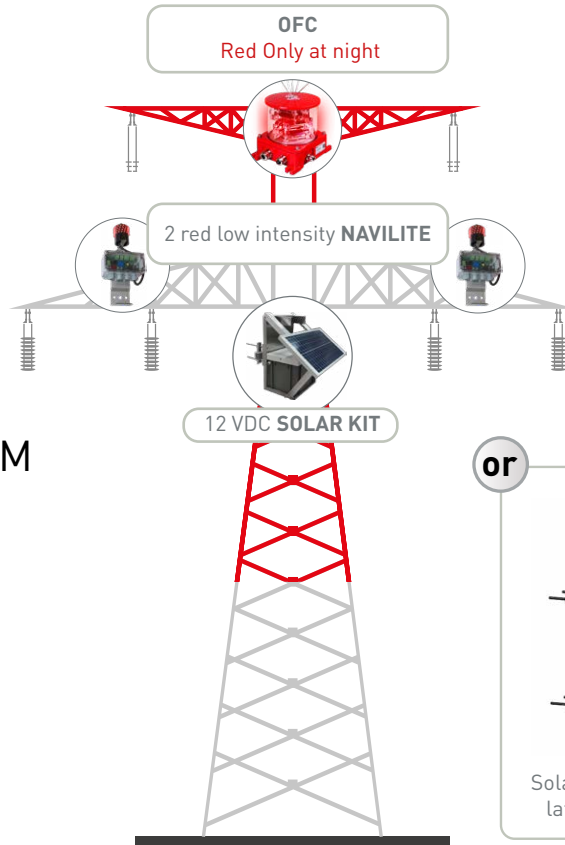
TOWER WITHOUT PAINT MARKING*

White at day / Red at night required



TOWER WITH PAINT MARKING

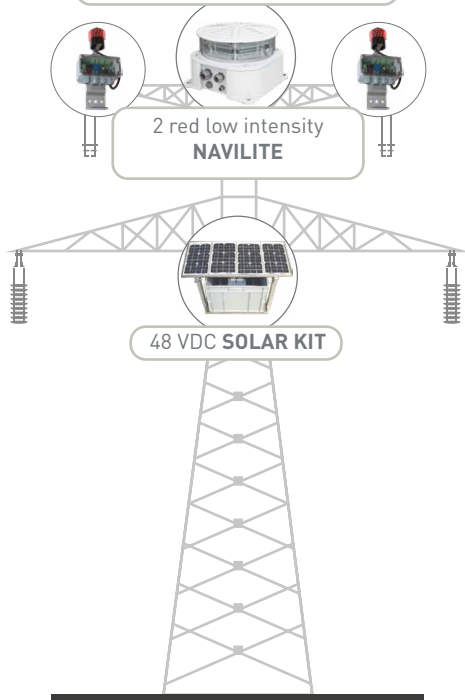
Red at night only required



> 45M

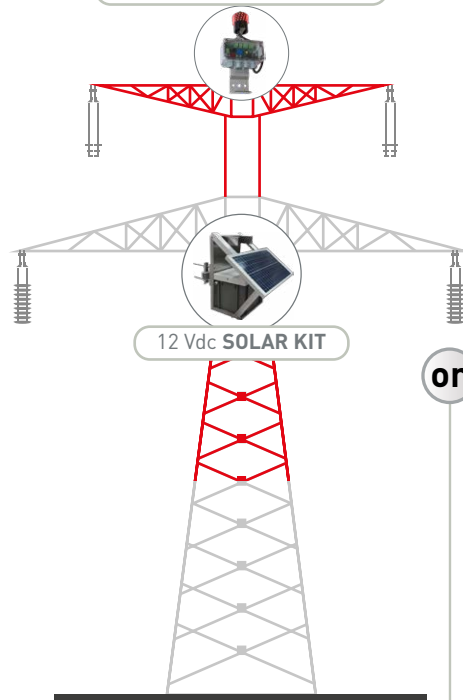
OFD WHITE

White at day / Off at night



NAVILITE LED 12 VDC

night only operation

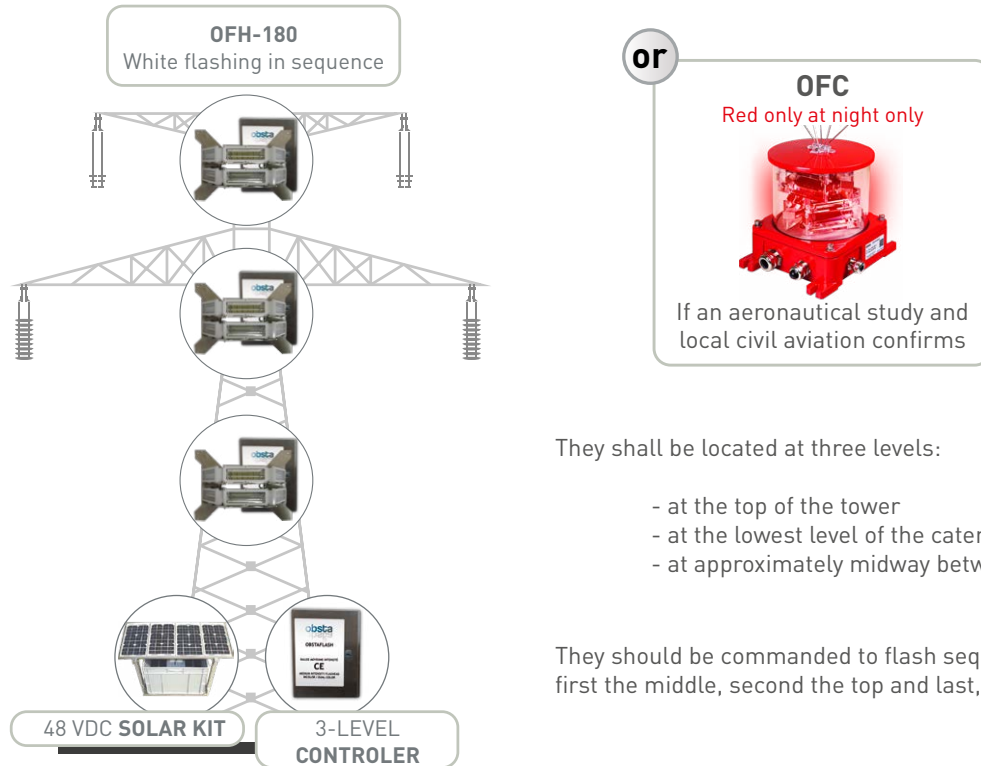


< 45M

* White flashing lights during daytime eliminates the need of white and red painted stripes

ALTERNATIVES WITH 3 LEVELS FOR TOWERS ONLY

ICAO Annex 14. «When it has been determined that an overhead line needs to be marked but it is not practicable to install markers on the wire, then high-intensity obstacle lights Type B, should be provided on their supporting towers.»

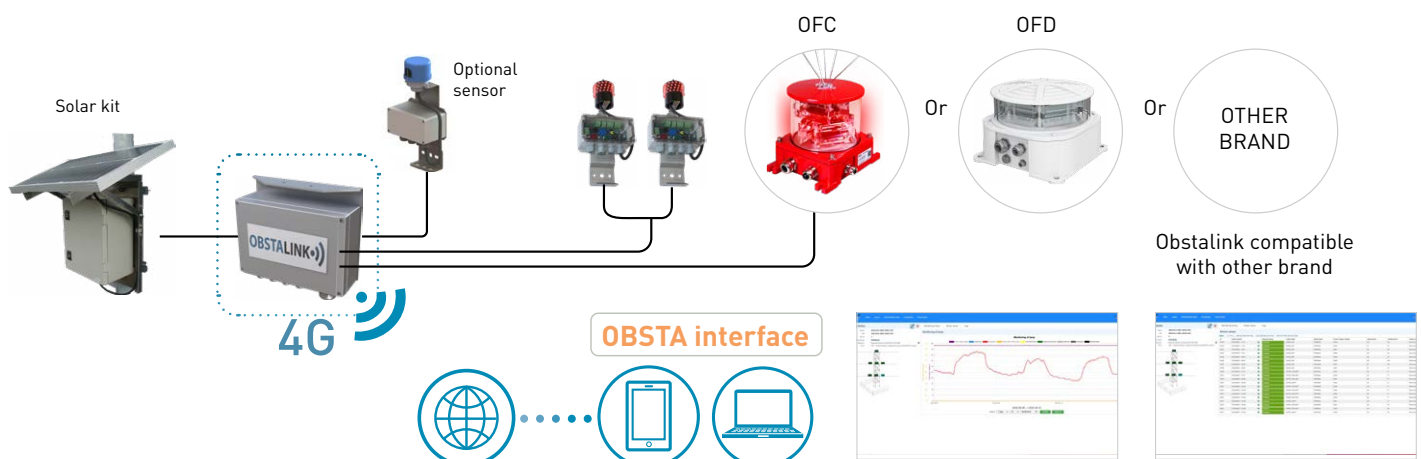


They shall be located at three levels:

- at the top of the tower
- at the lowest level of the catenary of the wires or cables
- at approximately midway between these 2 levels

They should be commanded to flash sequentially; first the middle, second the top and last, the bottom light.

REMOTE CONTROL



This IOT gateway is designed to monitor and control aviation warning lights remotely on a dedicated web server. This IOT gateway is compatible with most of aviation warning lights on the market

- Periodic control of obstruction lighting system typically every 30 minutes
- Control of the power consumption up to 3 obstruction lights (or group of obstruction lights)
- Control of the dry alarm contacts (normally close or normally open) if available from the lamps
- Control of the power source and ON/OFF capability
- Control of day/twilight/night status from photocell if available
- Super capacitor in case of power failure allowing to send an ultimate alarm message
- Alarm threshold settings on the server
- EN 18031-1 and EU Cyber Resilience Act (CRA) compliant

Why Choose OBSTA?

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



**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.



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

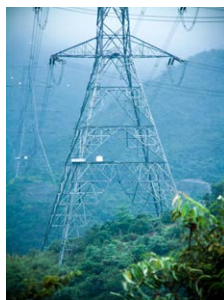
KOSOVO



USA



INDONESIA



GERMANY



ABU DHABI



France

Head office

Sales department

Paris

Tel. +33 -1 41 23 50 10

Factory

Reims

Germany

Bochum

Tel. +49 2327 6057 0

USA

Miramar

Tel. 954 430 63 10

China

Shanghai

Tel. +86 21 58 12 25 25

India

New Delhi

Tel. + 91 11 4001 81 31

Thailand

Bangkok

Tel. + 66 (0) 2 104 9214

UAE

Dubai

e-mail: info@obsta.ae

Colombia

Bogota

e-mail: export@citel.fr



info@obsta.com



www.obsta.com

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