



RELIABILITY IN
OBSTRUCTION
LIGHTING



Obstruction Lighting & Gateway
for
TELECOM TOWERS
BELOW 150M

www.obsta.com

OBSTRUCTION LIGHTING FOR TOWERS

Use cases for pylons/towers from 45m to 150m.
Day and night marking. (unpainted pylon).


- 


1 OFD OBSTAFLASH DUAL
Medium Intensity bi-color or white only
- 


2 OBSTAFLASH 120° ou 180°
Medium Intensity red
- 

4 NAVILITE FAA
Low Intensity red

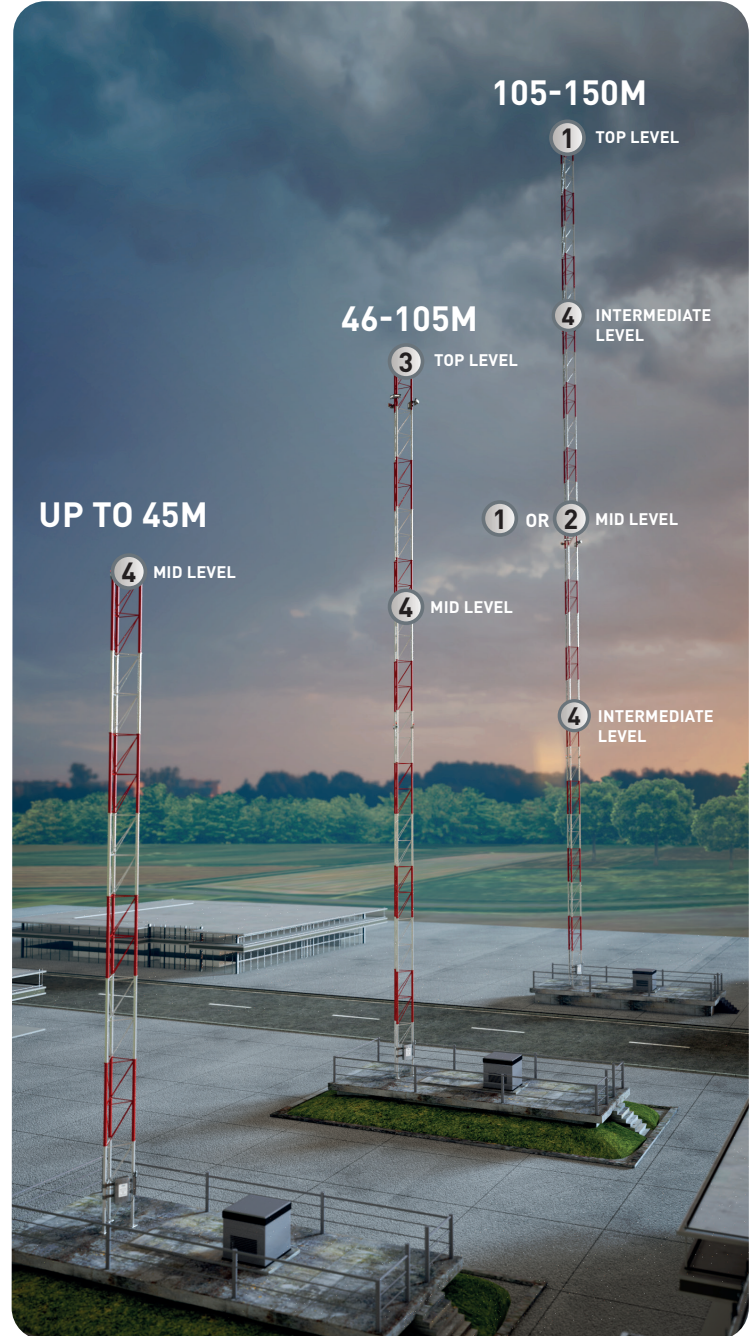
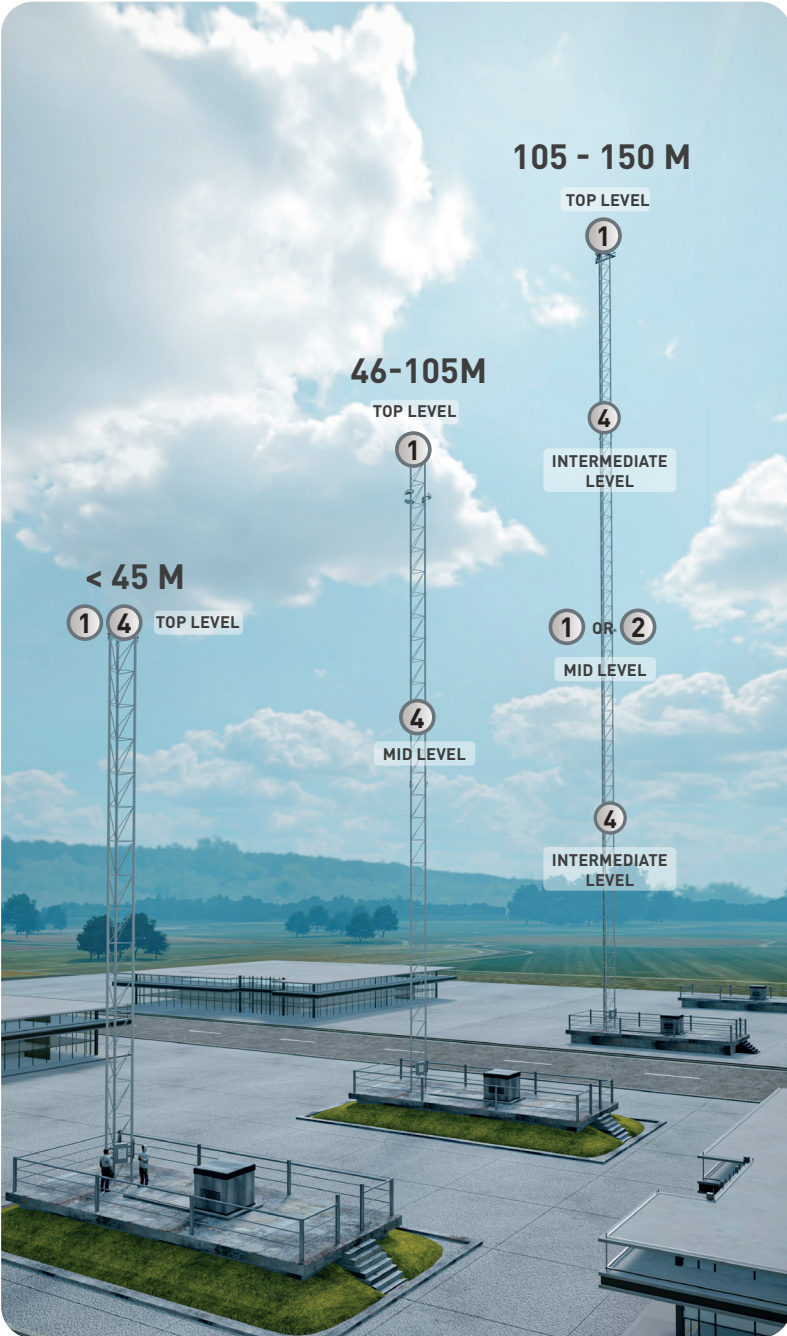
Use cases for towers from 45m to 150m
Night only operation

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3 OBSTAFLASH RED COMPACT
Medium Intensity Red only
- 

2 OBSTAFLASH 120° or 180°
Medium Intensity Red
- 

4 NAVILITE FAA
Low Intensity Red



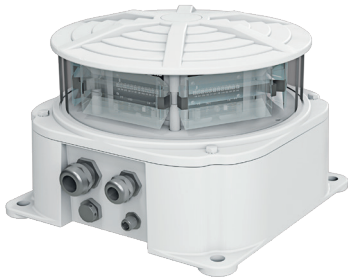


DAY & NIGHT MARKING REQUIRED

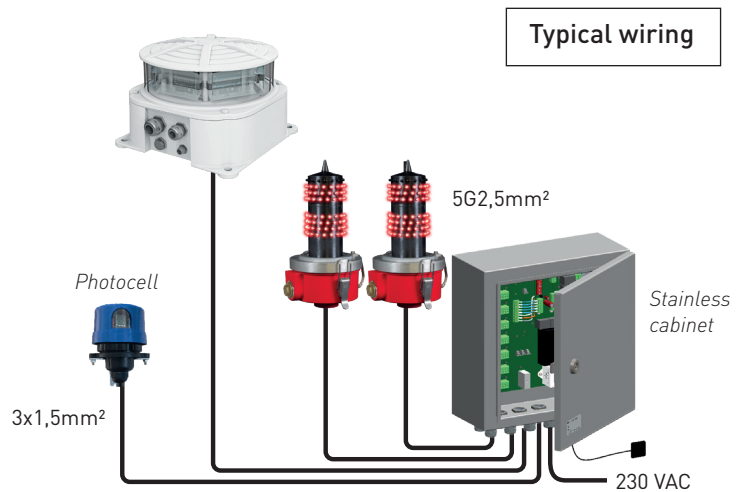
ICAO recommendations:

Below 45m = Low Intensity red for night and medium intensity white for day
Below 150m = Medium Intensity white on day / red at night on top and middle with optional low intensity red at intermediate levels.

① OFD



- ICAO medium intensity Type A / B&C verified
- 6 LED modular projectors in aluminum and glass (IP66)
- 2 white LED circuits in redundancy per projector
- Easy installation with only captive parts
- Alarm report, indicators options for any specifications
- Surge protection included
- Web based and BMS remote monitoring in option



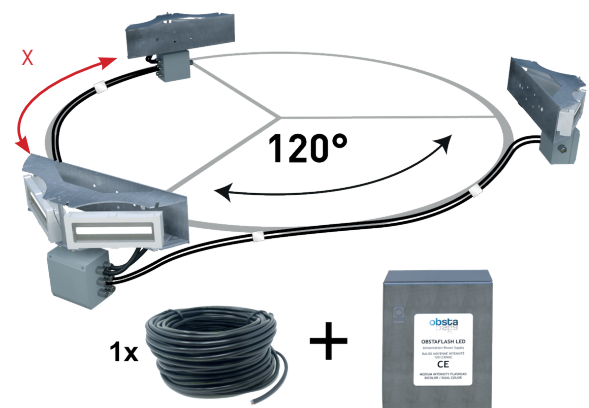
② 3 OBSTAFLASH 120 dual color Medium intensity L-865/L-864



- 3 sets of 2 led replaceable projectors (1kg each) coming with molded cable and plug connected to the power unit
- DC (or AC) stainless power unit with comprehensive luminous indicators
- Test button for day and night
- Dual level Surge Protective Device (AC and DC) for longer life expectancy and improved reliability
- No losing parts



Light arrangement on the stack



X : distance between 2 beacons in meters

Set of 3 L-865/L-864 obstafash120 around the tower with one common power unit



NIGHT MARKING ONLY REQUIRED

ICAO & FAA recommendations:

Below 45m = Low Intensity red on top, every 45m around obstacle

Below 150m = Medium Intensity Red on top and middle, Low Intensity Red at intermediate levels (in option).

③ OFC



Direct power supply wiring

Aluminium moulded base with bracket

Integrated photocell

- Type B & C compliant to ICAO, CAA and FAA L-864
- Self-contained, 360° plug and fix solution
- Hard glass and aluminium cover (no plastic)
- IP66 verified
- Easy installation with only captive parts
- 2 lights in one with 2 LED circuits in redundancy
- Adjustable flash 20 to 60 flashes per minutes (or steady)
- Alarm in case of light or power failure
- Very low consumption : 6W at Type B
- Surge protection included
- GPS interface for flash synchronisation
- Bird spike in option
- Dimensions: 20cmx20cmx20cm and weight: 5 kg



ICAO



④ NAVILITE



Model 113969IR

Model 113969

- Light perfectly waterproof
- No corrosion risk
- No losing parts
- Bird spike
- 2 x 3/4» NPT threaded holes
- 16 circuits of 4 LEDS
- LED wiring 4 by 4 in active redundancy at 90°
- 48 VDC or 110 VAC to 240 VAC power supply
- Surge protection included
- Alarm relay in case of lamp failure or power supply failure
- Version IR and FAA certified (model 113969IR)



Option Dual Main and Back up

CABINET AND PHOTOCELL



- 110 to 240 VAC +/- 10 %
- Surge protection included
- Photocell day/twilight/night
- Test button for night/day mode
- Alarm in case of light or power failure
- Master/slave configuration for multiple beacon lights
- 12h backup battery in option

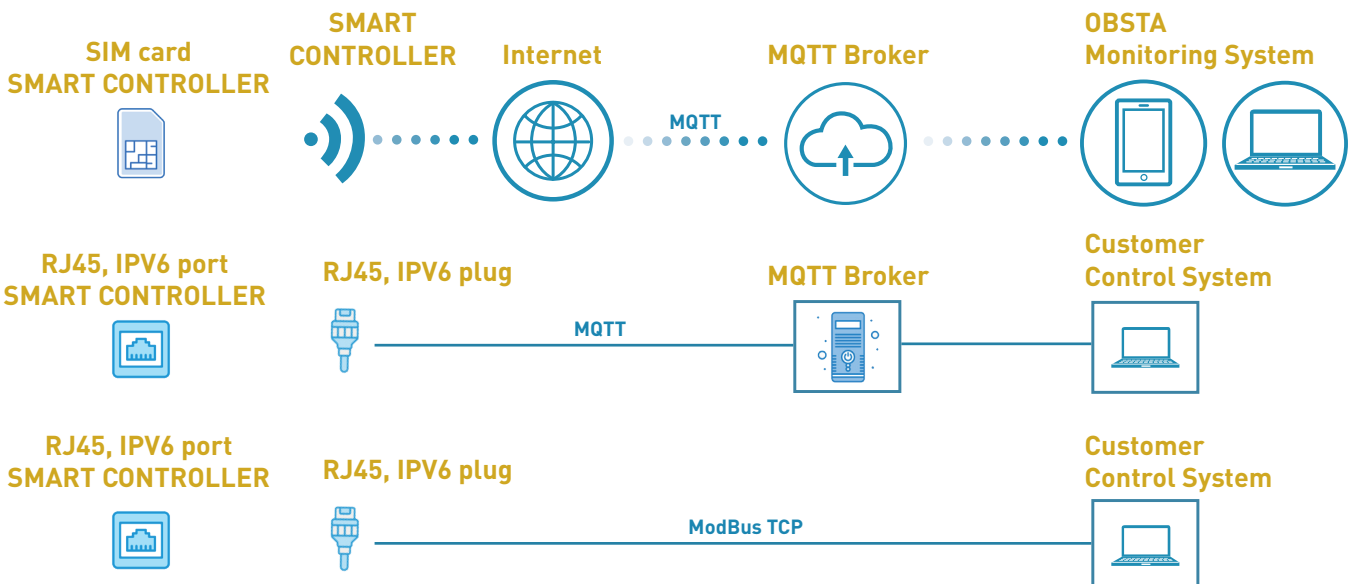


- Photocell plug-in
- GPS interface for wireless synchronization of multiple lights
- Optical interfaces with optic cables
- Web based and BMS remote monitoring in option

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
- Aluminium enclosure 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 over TLS (port 8883)
- Aircraft Detection Lighting System (ADLS) compatible
- EN 18031-1 and EU Cyber Resilience Act (CRA) compliant



Why Choose OBSTA?

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



1

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.


2



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.

3



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,

4



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

SAUDI ARABIA



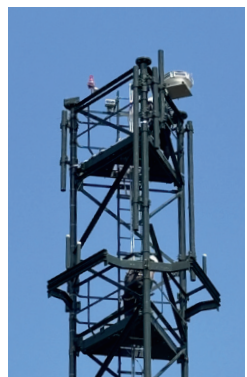
BELGIUM



KENYA



FRANCE



SWEDEN



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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