



RELIABILITY IN
OBSTRUCTION
LIGHTING



Obstruction Lighting & Gateway
for
BUILDING & AUTOMATION

www.obsta.com

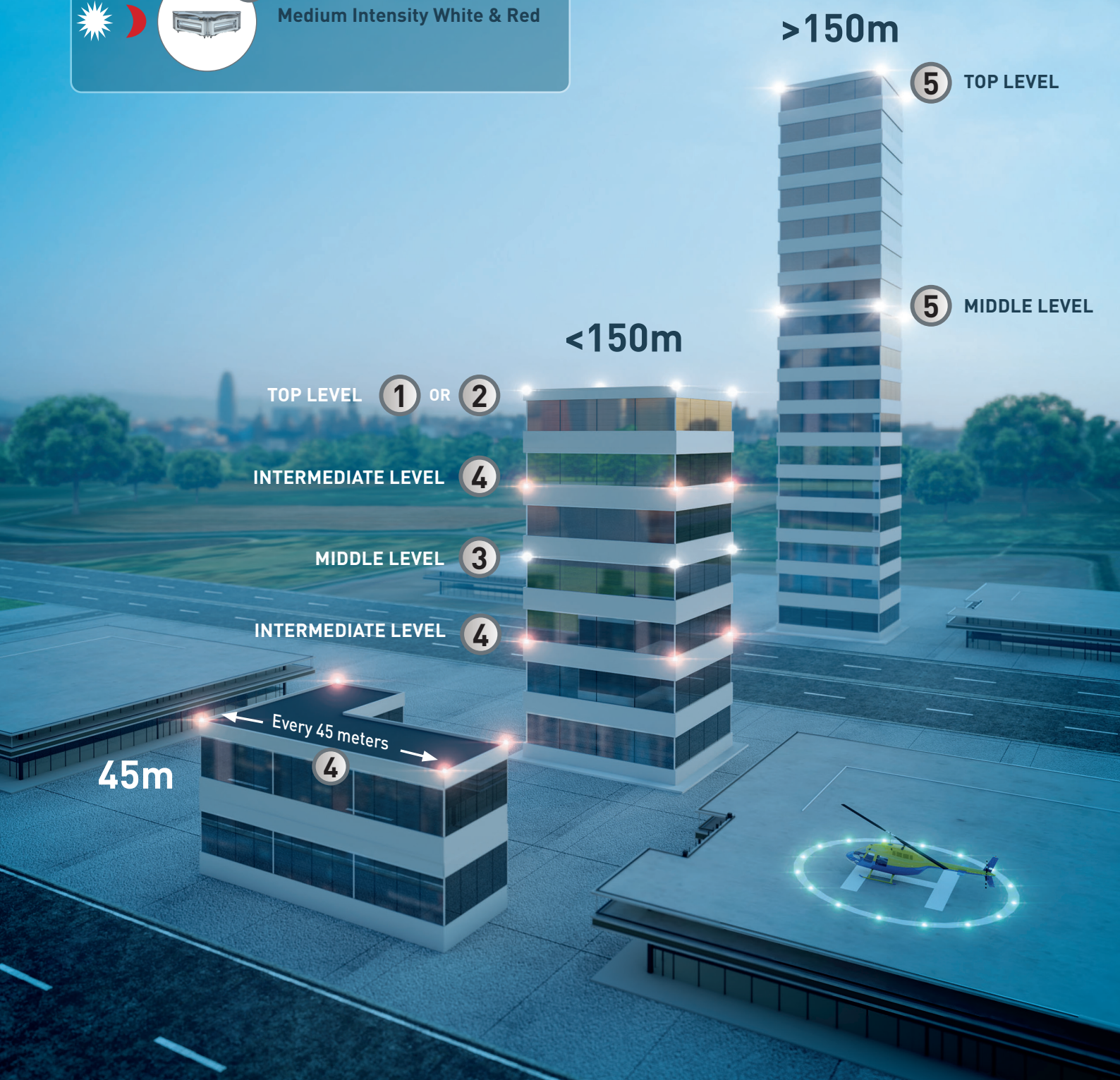
Obstruction lighting for buildings

Three typical configurations depending on height

-  **1** OFC
Medium Intensity Red only
-  **2** OFD
Medium Intensity White & Red
-  **3** OFP-120 or OFP-180
Medium Intensity White & Red

-  **4** NAVILITE
Low Intensity Red

-  **5** OFH-120
High Intensity White





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).

① 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

③ OFP-120



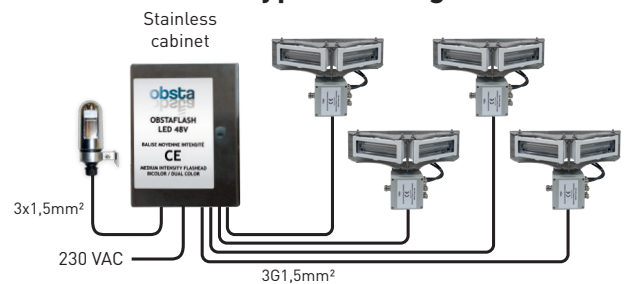
Also available in dual color



- 4 sets around the tower
- Compliant to ICAO, CAA and FAA certified
- One common power cabinet
- IP66 replaceable projectors

- Stainless steel support
- Possibility to integrate in balcony, parapet
- Quick connector and only captive parts

Typical wiring

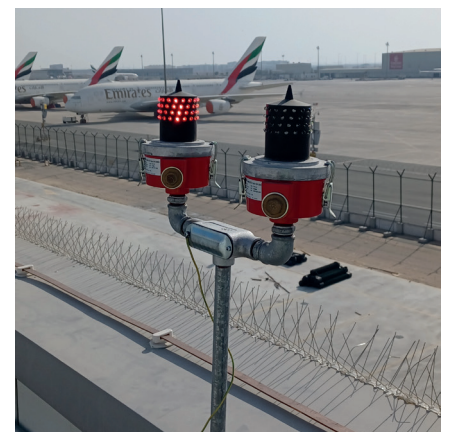


④ NAVILITE 230V



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)



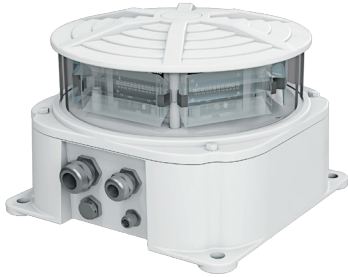
Option Dual Main and Back up



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
 Above 150m = high intensity lights on top and every 105m maximum

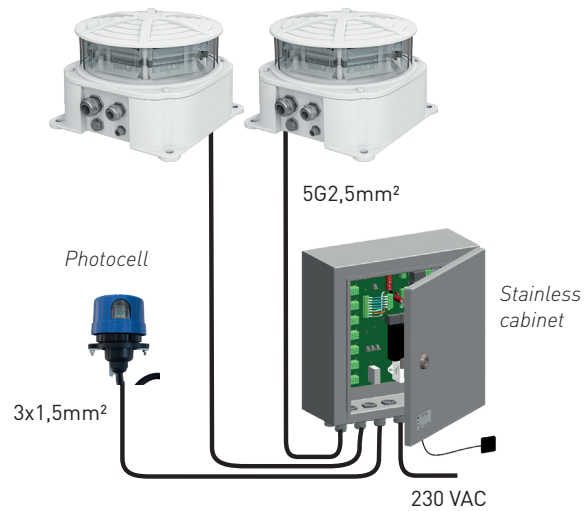
② OFD



- ICAO medium intensity Type A / B&C verified
- FAA L-865/L-864 certified
- 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



Typical wiring



⑤ OFH120



Patent : EP 1966535B1 & US 7816843

Flash head

- High Intensity Type A ICAO verified
- 120° horizontal beam orientation
- 6 LED modular projectors in aluminum and glass (IP66)
- Projector can be replaced from outside with quick connectors
- Easy maintenance
- Precise optic low power consumption

Power cabinet per flash head

- Weathertight stainless steel enclosures
- Surge protection included
- Alarm monitoring
- Automatic day/twilight/night switch by photocell
- Luminous indicator for each projector
- Test button for day, twilight and night mode
- Web based and BMS remote monitoring in option

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

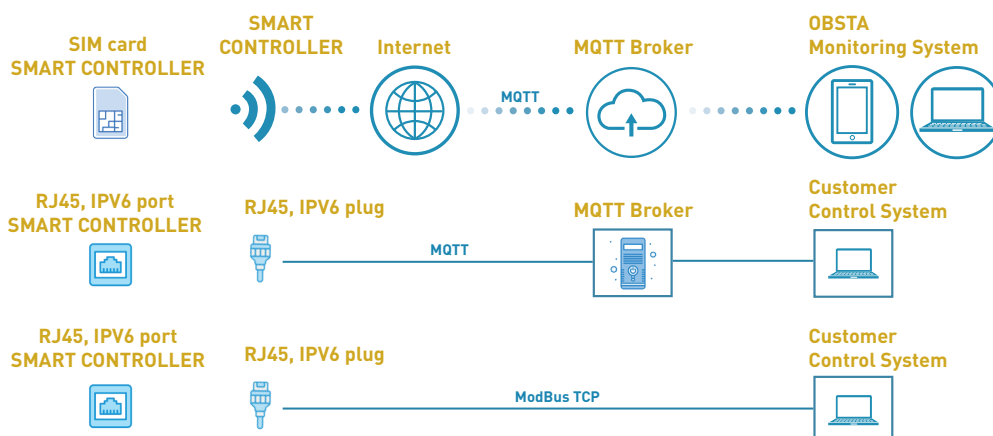


- Control of the power consumption of each light or group of lights (3 maxi.)
- Control of the external dry alarm contact (normally close or normally open) of each light (if available on the obstruction lights) or other external contacts (12 maxi.)
- Control of the DC power source (batteries from the 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
- 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

SMART CONTROLLER



- Allows the maintenance, the configuration, the installation and the administration up to 64 medium OFI/OFP or high intensity OFH series obstruction lights
- Large touch screen
- Status and telemetric, humidity and temperature of each flashing lights allowing precise diagnostic from the ground
- Alarm threshold settings
- Stainless cabinet with cable inputs by gland nickel plated brass
- Connexion of an external photocell
- Remote/manual switch to bypass the photocell and force day/twilight/night mode
- Automatic notification by email or through the MQTT
- RJ45, IPV6 port supporting ModBus TCP & MQTT
- Aircraft Detection Lighting System (ADLS)
- EN 18031-1 certified



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

FRANCE, Paris



FRANCE, Millau



UAE, Dubai



NIGERIA, Lagos



BRUXELLES, Diegem



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