

Obelux LED Aviation Obstruction Lights

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Wind Power

Obelux aviation obstruction lights are particularly designed for meeting the needs of wind power industry. Obelux has paid an extra attention to meet the reliability, safety, and environmental requirements set by the industry. All Obelux lights are designed to minimize light pollution to the environment and neighbors by using state-of-the-art Obelux lens optics.

Obelux aviation lights are certified by different national laboratories such as STAC in France and BMVBS in Germany. In addition, lights are manufactured to fulfill specific national requirements all over the world. Obelux lights are designed to tolerate extreme weather conditions.



Key Features

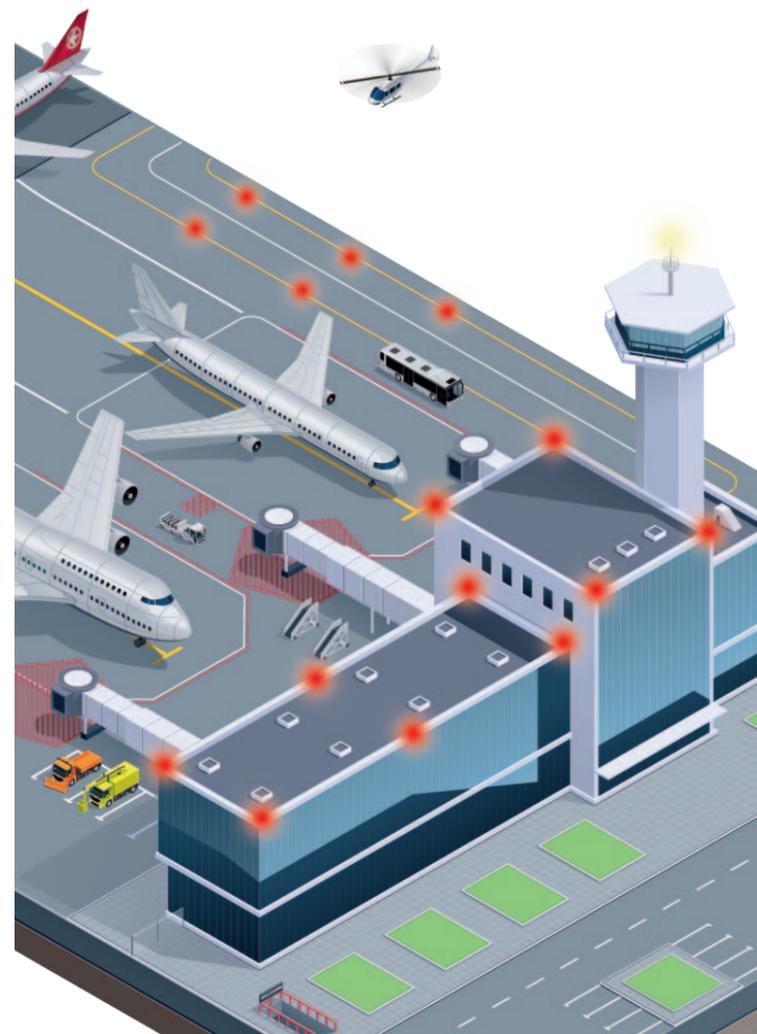
- Obelux lights minimize light pollution to the environment due to state-of-the-art lens optics
- Easy to integrate into wind park monitoring system
- Suitable for extreme weather conditions
- Certified by several national measurement laboratories, including Germany (BMVBS) and France (STAC)



Airports

Obelux aviation lights are used at airports all over the world for marking measurement masts, airport fences, airport traffic control towers, buildings, and other obstacles at airports. Portable obstruction lights are designed for temporary marking due to their long autonomy operating time.

Obelux infra-red (IR) aviation lights are fully compatible with Night Vision Goggles (NVGs) used in both civil and military flight operations.



Key Features

- Obelux supplies complete product range for airports' obstruction light marking needs
- Portable light units for temporary marking
- Infra-red obstruction lights compatible with Night Vision Goggles (NVG)



Broadcast and Telecom

Obelux aviation lights are carefully designed listening needs and demands from end users such as broadcast and telecom operators and owners, mast and tower manufacturers, and service companies. Obelux lights are suitable for marking from a short telecom mast up to super tall broadcast tower.

Obelux low-, medium-, and high-intensity lights meet both Day and Night marking requirements set by aviation authorities for warning lights on broadcast and telecom masts, all over the world. Mast's and tower's light systems can be controlled and monitored in many different ways, over internet being one of them.



Key Features

- Extremely long maintenance free system
- Provides very low total lifecycle cost
- Easy to install and handle on masts and towers
- Tolerates extreme weather conditions



Buildings and Cranes

Obelux aviation lights are designed closely with building consultants, architects, and contractors, emphasizing also the unique design of all Obelux lights. Lights are suitable for all size of buildings, up to super tall skyscrapers. Lights are designed and tested to tolerate extreme weather conditions.

Lights can operate as separate units or be integrated into the building's own monitoring system. This offers freedom for the design of building's obstruction light system.



Key Features

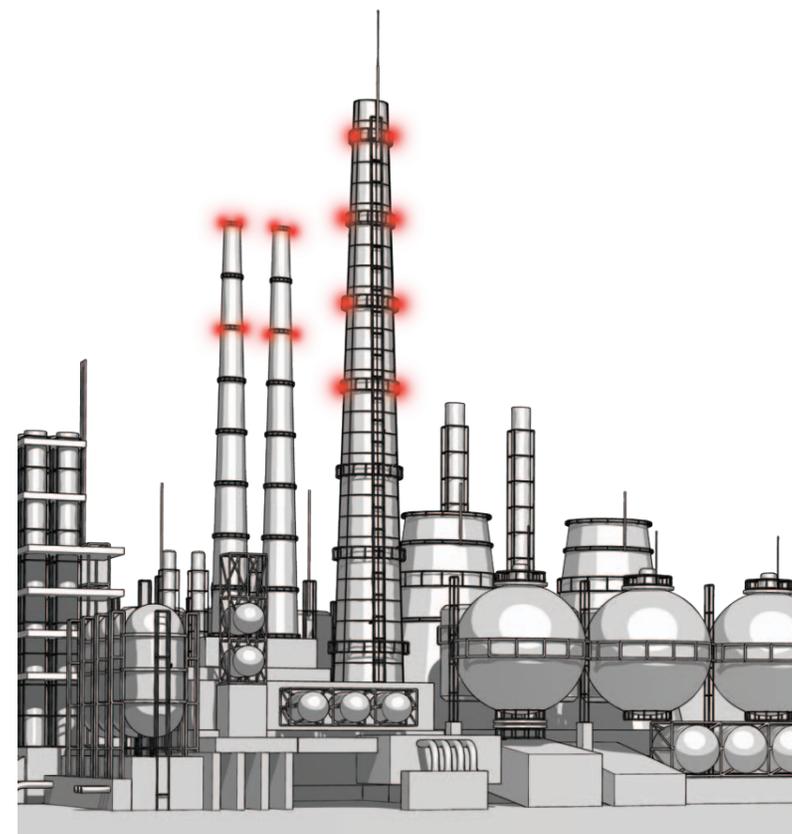
- Unique design
- Meets architects and consultant requirements for tall buildings
- Integration possibility to the building's own monitoring system



Power Plants

Obelux aviation lights are used on chimneys, cooling towers, and pipes all over the world. Extremely long maintenance free operating time with low power consumption assures low total lifetime cost.

Obelux aviation lights meet all requirements for both Day and Night marking required by civil aviation authorities.



Key Features

- Provides long maintenance free operating time
- Extremely low power consumption
- Offers low total lifetime costs for the owner

ICAO Type A (10cd) and Type B (32cd) | FAA L-810

Low-intensity LED Obstruction Lights

ICAO Type A (20 000cd), Type B (2 000cd) and Type C (2 000cd) | FAA L-865, L-866, L-864, L-885

Medium-intensity LED Obstruction Lights



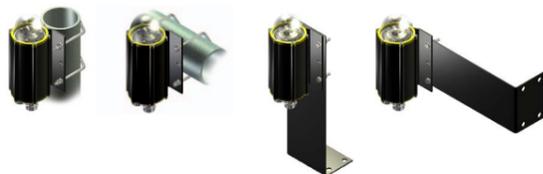
Low-intensity 10cd **RED**
ICAO Type A

Low-intensity 32cd **RED**
ICAO Type B, FAA L-810

Obelux low-intensity aviation obstruction lights are fully compliant with civil aviation authority regulations. Low-intensity lights deliver Red Steady light. Photocell (Day/Night) sensor can be integrated into the light unit. This offers also flashing option for the lights.



Example mounting set alternatives



Key Features

- Based on LED technology
- Low power consumption 1-3W
- Integrated photocell (Day/Night sensor) as an option
- Obelux state-of-the-art optic lens design
- Can be used as a separate unit or integrated for a larger system



Medium-intensity 2 000cd **RED**
ICAO Type B and C, FAA L-864 and L-885

Obelux medium-intensity aviation obstruction lights are fully compliant with civil aviation authority regulations. Medium-intensity lights for Night time marking deliver Red Steady or Red Flashing light.



Medium-intensity 20 000cd **WHITE**
ICAO Type A, FAA L-865 and L-866

Medium-intensity **DUAL**
20 000cd **WHITE** and 2 000cd **RED**
ICAO Type A + B/C, FAA L-865/L-866 + L-864/L-885

Obelux medium-intensity aviation obstruction lights are fully compliant with civil aviation authority regulations. Medium-intensity lights for Day and Night time marking deliver White Flashing during Day time and White or Red during Night time.

Example mounting set alternatives



Key Features

- Based on LED technology
- Designed for extreme weather conditions
- Obelux state-of-the-art optic lens design
- Can be used as a separate unit or integrated for a larger system

ICAO Type A (200 000cd) and Type B (100 000cd)

High-intensity LED Obstruction Lights

Controller and Monitoring Units



High-intensity 200 000cd WHITE
ICAO Type A

High-intensity 100 000cd WHITE
ICAO Type B

Obelux high-intensity aviation obstruction lights are fully compliant with civil aviation authority regulations. High-intensity lights deliver White Flashing light.

Key Features

- Based on LED technology
- Designed for extreme weather conditions
- Can be used as a separate unit or integrated for a larger system
- Patented design



For Night Time Marking **RED**

Obelux fault monitoring and flash controller unit (CSW) is designed for low- and medium-intensity Red aviation lights. The unit offers several of options including GPS synchronization, several flash modes, and fault signal in case of a malfunction.



For Day and Night Time Marking
WHITE and **RED**

Obelux light head controller (LHC) is designed for medium- and high-intensity White aviation lights. The unit offers several of options including GPS synchronization, several flash modes, fault signal in case of a malfunction, and Ethernet (IP Protocol) interface. System can be monitored over internet through Web browser.

Infra-Red (IR) LED Obstruction Lights

Others



Infra-Red (IR) Obstruction Lights

Several Air Forces of different countries have noticed a safety threat regarding Night Vision Goggles (NVGs) and traditional LED aviation obstruction lights. These traditional LED obstruction lights can be clearly visible to the naked eye but not visible to NVGs.

Obelux has been a pioneer for developing state-of-the-art LED infra-red obstruction lights for meeting the needs of both military and civil flight operations. Obelux full NVG compatible infra-red lights are specified and approved by several Military Forces and aviation authorities.

NVGs are used in both civil and military operations all over the world.



Key Features

- Obelux Infra-red LED obstruction lights are fully compatible with Night Vision Goggles (NVGs)
- Infra-red option is available for all Obelux obstruction lights

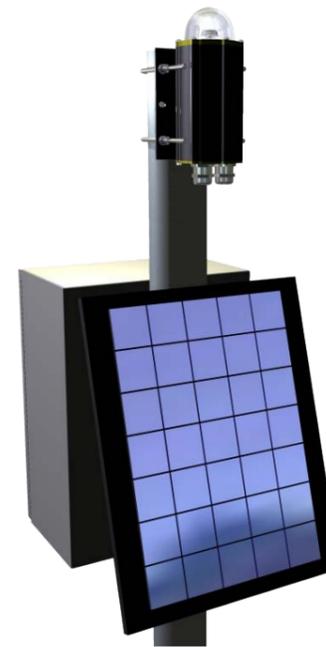


Portable Obstruction Lights for Temporary Marking

Battery-operated red or red/blue obstruction light for temporary marking of obstacles (red light mode) or taxiway edges (blue light mode). Offers long operating time.

Solar Powered Obstruction Light Systems

Obelux obstruction lights can be powered by a complete solar power system. The system is fully customizable depending on geographical location, required autonomy time, and model of an obstruction light.



Fuel Cell Powered Obstruction Light Systems

Obelux obstruction lights can be powered with a compact fuel cell system. Fuel cell solution can offer months of operation without any maintenance.

Uninterruptible Power Supply (UPS)

Uninterruptible Power Supply (UPS) is recommended for critical locations wherein a certain autonomy time for obstruction lights is required when unexpected power loss occurs.



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