

## HIGH INTENSITY OBSTRUCTION LIGHT CAP168



According to CAP 168, the High Intensity Obstruction Lights – Type A - are used on obstacles whose height above the level of the surrounding ground exceeds 150m when an aeronautical study indicates that medium intensity obstruction light - Type C are not enough to properly warn the obstruction pilots.

**High intensity lights, Type A has sufficient intensity to meet the most demanding day-time requirements.** The intensity setting for twilight and night provide appropriate lower levels of output.

When specifying this type of light, it is necessary not only to consider the operational requirement of high intensity but also to consider the size and weight of the equipment.

Where as other types of lighting have an horizontal coverage of 360°, high intensity lighting usually consist of units having an horizontal coverage of approximately 120°. It is therefore necessary to **install a number of units at each corner of the structure to obtain all-round coverage.**



# HIGH INTENSITY

## HIOL-A 60°/120°/180° CAP168



**NOTE: electronic beacon driver in a separate enclosure**

\*as option

**IP66**

**PATENTED**

LUXSOLAR L856-LXS-RUG High Intensity Obstruction Light is compliant to **ICAO** (High Intensity - Type A) and **FAA** (Type L-856). With a **body designed for optimum light emission and increased cooling, high quality and ultra-bright LEDs and patented lenses**; LUXSOLAR HIOL-A product is the **most up-to-dated and technologically advanced Aircraft Warning Light**.

This LED device emits 200.000 candelas during day mode and through LUXSOLAR separate controller intensity is automatically adjusted in day/twilight/night mode; another advantage is the compact shape that allows to have in one light fixture also the DUAL mode (white LEDs for day and twilight and red LEDs for night).

**LUXSOLAR L856-LXS-RUG is the right choice for skyscrapers, bridges and all high structures where high intensity visibility is required.**

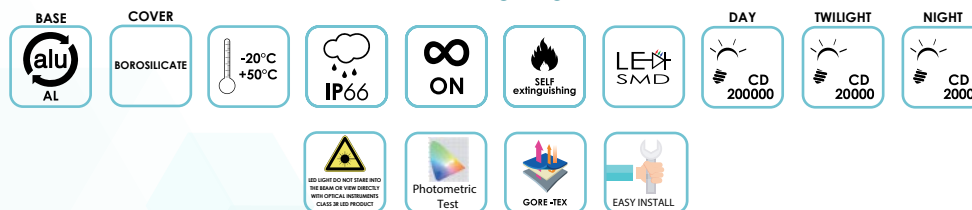
### CERTIFICATION



### COMPLIANCE



### FEATURES



### TYPICAL APPLICATION



# HIGH INTENSITY

## HIOL-A 60°/120°/180° (LXS-RUG) TECHNICAL SPECIFICATIONS

### OPTICAL FEATURES

- Based on LED technology
- **WHITE light - HIOL A**
  - 200.000cd day mode
  - 20.000cd twilight mode
  - 2.000cd night mode
- Cd emission @ -0,5° and +4°
- Horizontal beam radiation: 60° or 120° or 180°
- Vertical beam spread: +3 / +7°
- PMMA lens

### MECHANICAL FEATURES

- Anodised aluminium body with heat-sink pins for maximum heat dissipation
- Terminal JB for connection in Glass Reinforced Polyester (GRP), black colour
- Borosilicate glass cover protection
- Degree of protection: IP66
- Anti-condensation Gore-Tex valve
- Operating temperature: -20°C to +50°C
- Lamp unit weight: 16kg
- SS304 beacon support base

### ELECTRICAL FEATURES

- Electronic components installed inside separate LUXSOLAR controller
- Average power consumption LXS-RUG 60° @40fpm:
  - Day mode: 110W
  - Twilight mode: 13W
  - Night mode: 6W

### ELECTRICAL FEATURES

- Average power consumption LXS-RUG 120° @40fpm:
  - Day mode: 220W
  - Twilight mode: 26W
  - Night mode: 12W
- Surge arrester
- No RF radiations
- LED fed at constant current

### OPTIONS

- IR wavelength 850nm, compatible with pilot's NVG (for RED LEDs only)

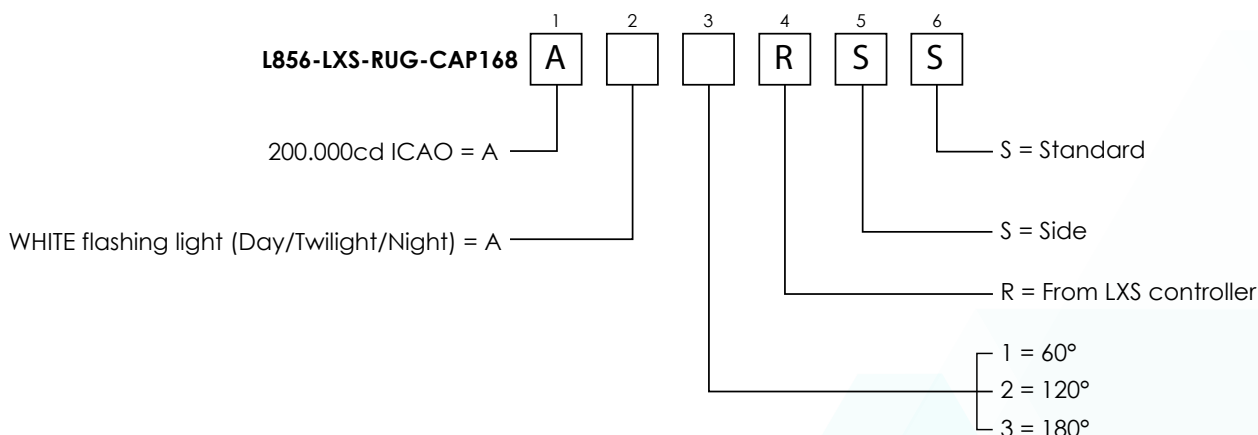
### CERTIFICATIONS

- CE marking

### COMPLIANCE

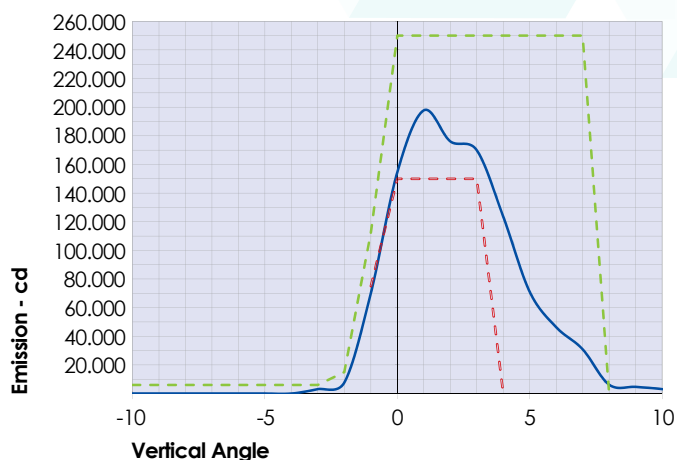
- ICAO Aerodromes - Annex 14 Vol. 1, Ch. 6: High intensity, Type-A flashing obstacle light HIOL-A/AB/AC Type
- FAA AC150/5345-43 E.B. #67 type L-856
- EASA CS-ADR-DSN

### ORDER CODE



# HIGH INTENSITY

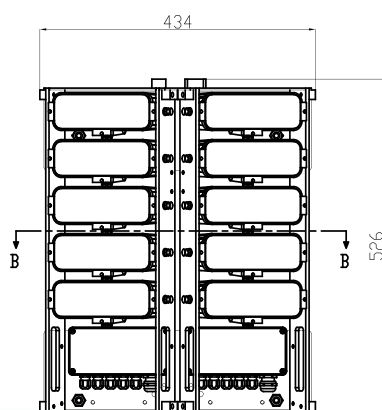
## HIOL-A 60°/120°/180° (LXS-RUG) TECHNICAL SPECIFICATIONS



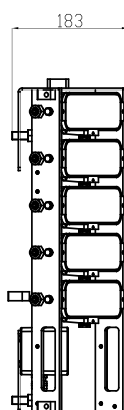
- L856-LXS-A average emission level at 70°C ambient temperature
- - - ICAO ANNEX 14 high intensity Type A - Min. Required Intensity ICAO
- - - ANNEX 14 high intensity Type A - Max. Required Intensity

### HIOL-A 120° (LXS-RUG)

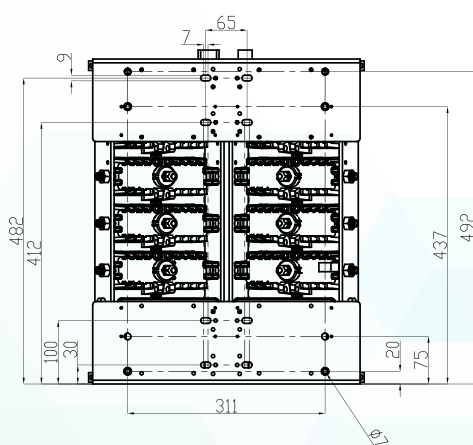
FRONT VIEW



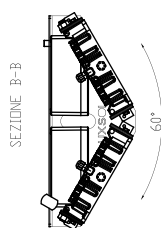
SIDE VIEW



REAR VIEW

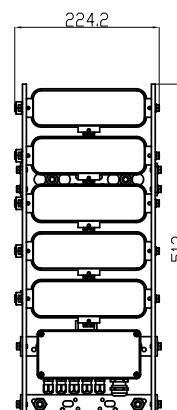


TOP VIEW

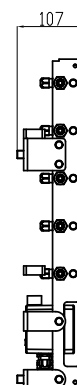


### HIOL-A 60° (LXS-RUG)

FRONT VIEW



SIDE VIEW



REAR VIEW

