

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 lights-Type C are not enough to adequately warn the pilot of the obstruction.

High intensity lights, Types A have sufficient intensity to meet the most demanding day-time requirements. The intensity setting for twilight and night provides appropriate lower output levels.

When specifying this type of light, it is necessary not only to consider the operational requirement of high intensity obstruction lighting 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.**

HIOL-A 60°/120°/180° CAP168



*as option

IP66

PATENTED

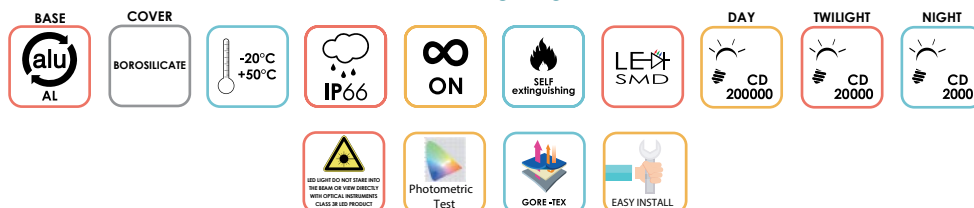
CERTIFICATION



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 feeded at constant current

OPTIONS

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

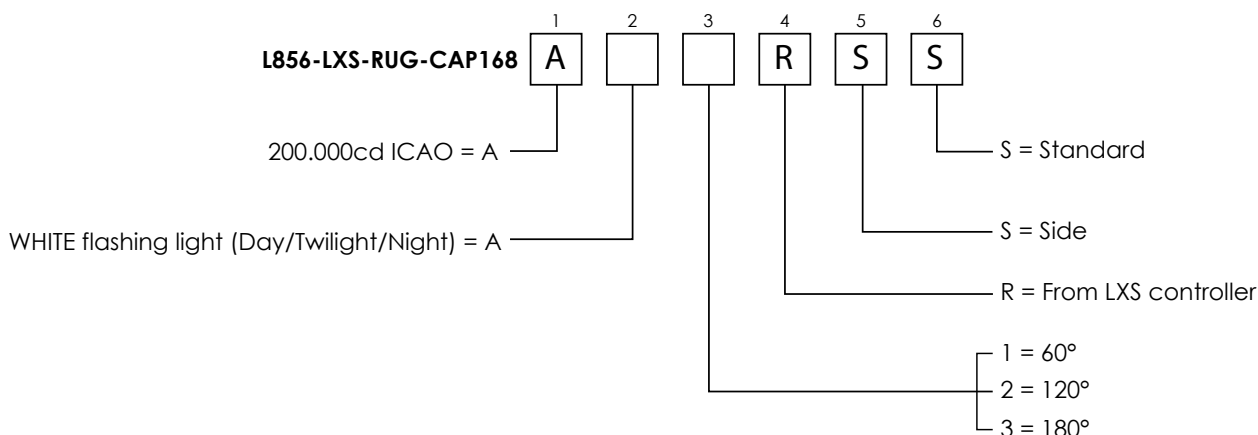
CERTIFICATIONS

- CE marking

COMPLIANCE

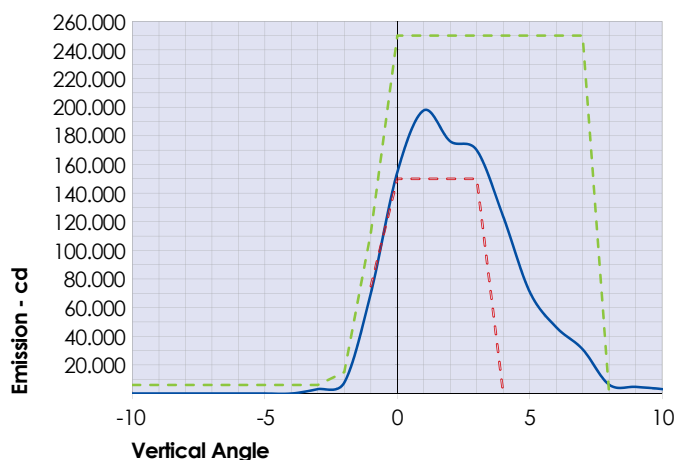
- ICAO Aerodromes - Annex 14 Vol. 1, Ch. 6: High intensity, Type-A flashing obstacle light HIOL-A/AB/AC Type
- FAA AC150/5345-43 E.B. #67 type L-856
- EASA CS-ADR-DSN

ORDER CODE



HIGH INTENSITY

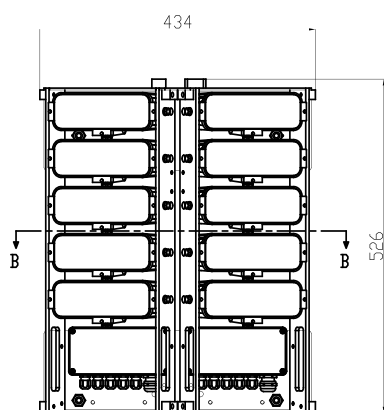
HIOL-A 60°/120°/180° (LXS-RUG) TECHNICAL SPECIFICATIONS



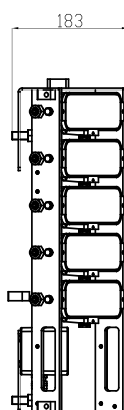
- L856-LXS-A average emission level at 70°C ambient temperature
- - - ICAO ANNEX 14 high intensity Type A - Min. Required Intensity ICAO
- - - ANNEX 14 high intensity Type A - Max. Required Intensity

HIOL-A 120° (LXS-RUG)

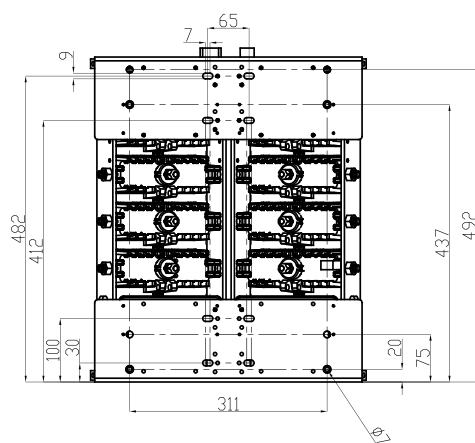
FRONT VIEW



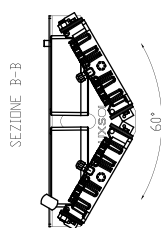
SIDE VIEW



REAR VIEW

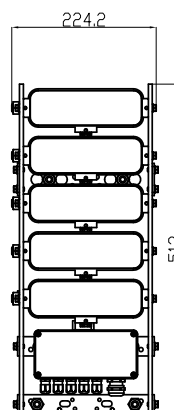


TOP VIEW

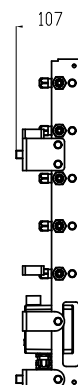


HIOL-A 60° (LXS-RUG)

FRONT VIEW



SIDE VIEW



REAR VIEW

