

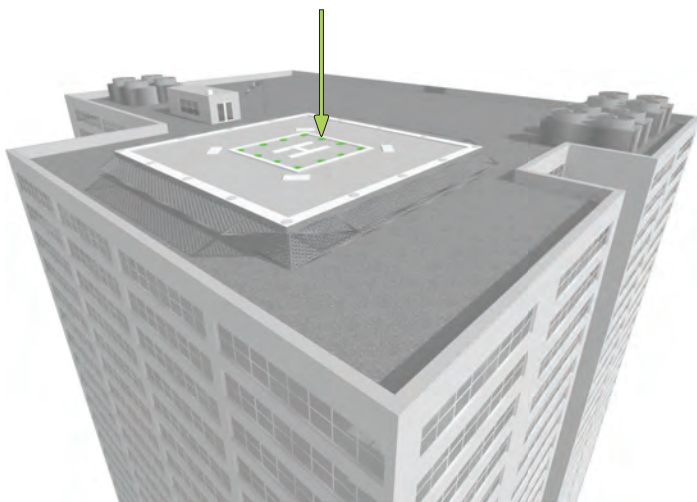
HELIPORT LIGHTS



PERIMETER LIGHT LXS-ONE TLOF

APPLICATION

A TLOF lighting system shall be provided at a heliport intended for **use at night**.
The TLOF lighting system for an elevated heliport shall consist of perimeter green lights.



LOCATION

TLOF perimeter lights shall be placed **along the edge** of the area designated for use as the TLOF or **within a distance of 1.5 m from the edge**.

- lights shall be **equispaced at interval <3m** for elevated heliport with a minimum of 4 lights on each side including the one on the corner;
- If the perimeter is **circular**, lights shall be **minimum 14**.

CHARACTERISTIC

TLOF lights shall be steady, omnidirectional, **green with brilliancy** control setting of: 10%, 30% and 100%.

FATO/TLOF are Coincidental (fairly common situation for Elevated heliport) the FATO should not be lighted.

PERIMETER LIGHT - LXS-ONE TLOF

TECHNICAL SPECIFICATIONS

KEY FEATURES

- Based on LED technology
- Steady burning GREEN light
- Long life time >10 years life expectancy
- Low consumption
- Stabilised light output
- Lightweight and compact
- Low wind load factor
- Easy to install
- No RF-radiations

OPTIONS

- Beacon support bracket
- Frangible (breakaway) couplings

OPTICAL FEATURES

- Horizontal beam radiation 360°
- Optical reflector

Elevation (E)	
20° < E ≤ 90°	3 cd
13° < E ≤ 20°	8 cd
10° < E ≤ 13°	15 cd
5° < E ≤ 10°	30 cd
2° ≤ E ≤ 5°	15 cd

-180° Azimuth +180°

ELECTRICAL FEATURES

- Power Supply DC
- Power consumption: 2W
- LED fedded at constant current

MECHANICAL FEATURES

- Anodised aluminium body
- Silicon gasket
- Degree of protection IP66
- Operating temperature: -20°C to +60°C
- Storage temperature: -25°C to +85°C
- Dimensions (Øxh): 68x60mm
- Lamp unit weight: 260g

CERTIFICATIONS

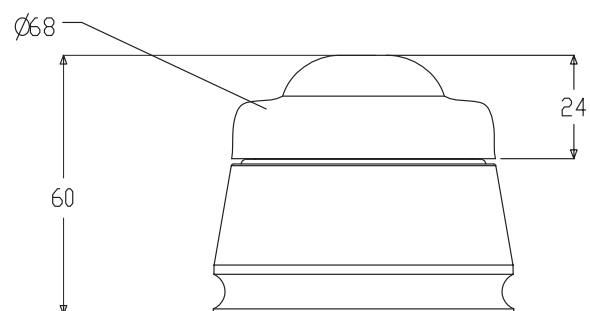
- CE Marking

COMPLIANCE

- ICAO, Annex 14, Vol. 2 - Heliport, Edition 4th
- ICAO, Annex 14, Vol. 1 - Aerodrome, Appendix I "Colours for aeronautical ground lights"
- ENAC Regulation: "Costruzione ed esercizio degli eliporti"

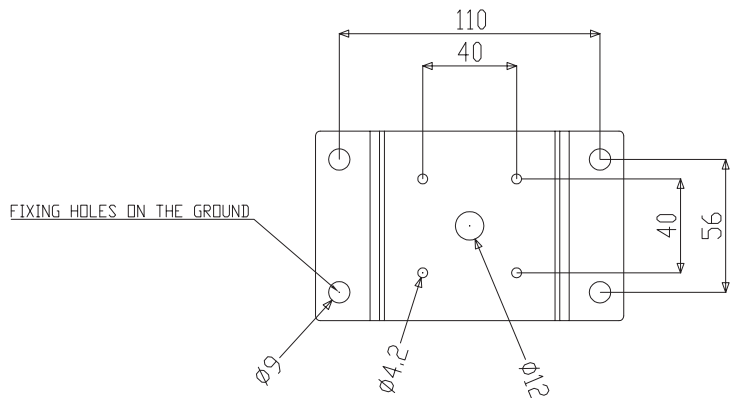
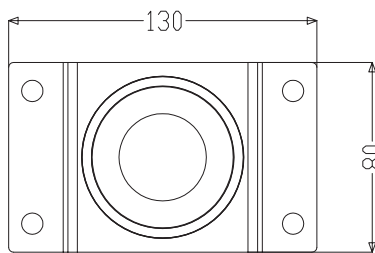
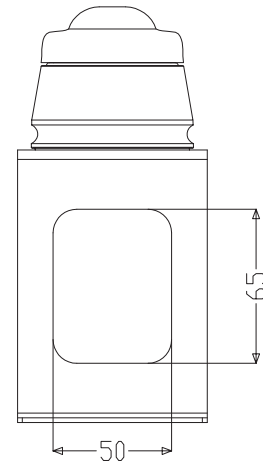
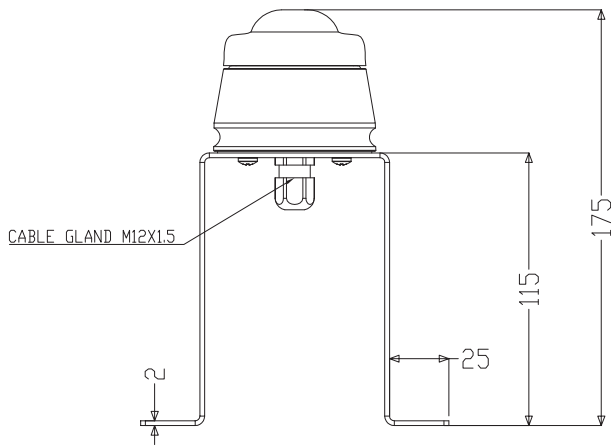
PART NUMBER

- Part number: **PHL-LXS-ONE-TLOF**



PERIMETER LIGHT - LXS-ONE - TLOF

TECHNICAL DRAWINGS - FIXING ON THE GROUND



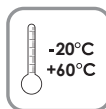
CERTIFICATIONS



COMPLIANCE



FEATURES



APPLICATIONS



PERIMETER LIGHT -LXS-ONE - TLOF

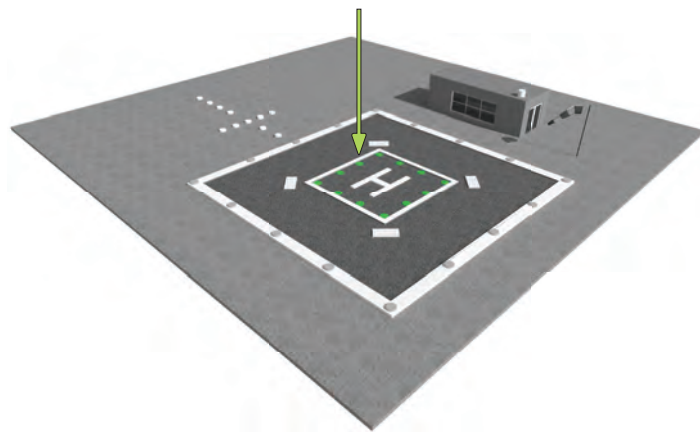
SPECIFICATIONS SURFACE HELIPORT

APPLICATION

A TLOF lighting system shall be provided at a heliport intended for use at night.

The TLOF lighting system for a surface-level heliport shall consist of one more to identify the limits of the:

- **perimeter lights;**
- **floodlighting;**
- **ASPSL or LPs** lighting to identify the TLOF **when perimeter lights and floodlight are not practicable.**



LOCATION

TLOF perimeter lights shall be placed **along the edge** of the area designated for use as the TLOF or **within a distance of 1.5 m from the edge.**

- lights shall be **equispaced at interval <5m** for surface level heliport with a minimum of **4 lights** on each side including the one on the corner;
- If the perimeter is **circular**, lights shall be **minimum 14;**
- If a light protruding above the surface could endanger helicopter operations than thw light should be inset.

CHARACTERISTIC

TLOF lights shall be steady, omnidirectional, **green with brilliancy** control setting of: 10%, 30% and 100%. TLOF should not exceed a **height of 25cm.**