

CIRCLING GUIDANCE LIGHT

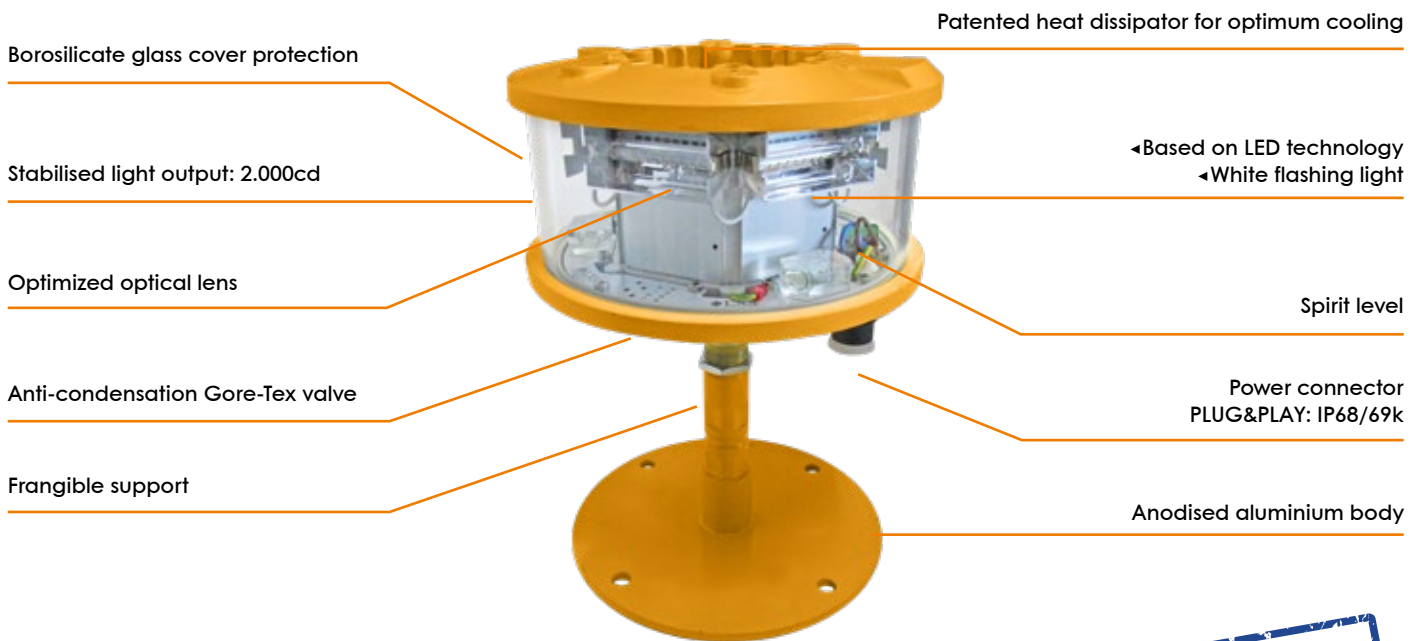


According to Annex 14 of ICAO regulations, Circling Guidance Lights should be provided at airports if the existing approach or runway lighting does not allow easy identification of the runway. The light displays white flashing light.



ICAO AERONAUTICAL BEACONS

CIRCLING GUIDANCE LIGHT



NOTE: electronic beacon driver in a separate enclosure

IP66



LUXSOLAR CGL-LXS Circling Guidance Light is compliant to ICAO rule.

With a compact body, high quality and ultra-bright LEDs, customized lenses and patented shape for optimum light emission and beacon cooling LUXSOLAR CGL-LXS product is the most up-to-dated and technologically advanced Aeronautical Beacon.

This LED device is designed to not contain any electronic component (that is available in a separate control local panel): a huge advantage in terms of increased life-time and suitability to all environments (beacons can stand extreme weather conditions) and in terms of an easy maintenance (in case of maintenance or periodic checks on electronic components, these can be done at ground or easily accessible levels).

CERTIFICATION



COMPLIANCE



FEATURES



TYPICAL APPLICATION



CIRCLING GUIDANCE LIGHT TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- 5.000cd day mode, WHITE flashing *
- 1.500cd twilight mode, WHITE flashing *
- 600cd night mode, WHITE flashing *
- Horizontal beam radiation 360°
- Vertical beam spread from 2° to 10°
- PMMA lens
- Light output alignment device

MECHANICAL FEATURES

- Anodised aluminium body, painted yellow
- Borosilicate glass cover protection
- Silicon rubber, VMQ
- Base wind collector and internal heat sink for optimum cooling
- Frangible support
- Degree of protection: IP66
- Operating temperature: -30°C +50°C
- Lamp unit weight: 8kg

BOX MECHANICAL FEATURES

- Enclosure material: mild steel, painted RAL 7035
- Surge arrester
- Fault alarm
- Photocell (twilight sensor)
- Overvoltage protection

ELECTRICAL FEATURES

- Suitable for 24Vdc or 115/230Vac power supply by LUXSOLARcontroller box
- LED feeded at constant current
- No RF-radiations

APPLY TO

- Precision approach runway intended for use by day or night when existing approach lighting systems do not satisfactorily permit identification of the runway.

CERTIFICATIONS

- CE marking

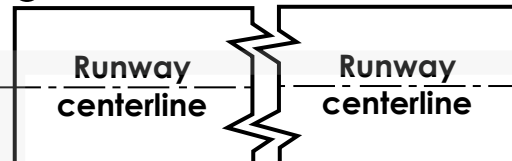
COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 5
- ICAO Aerodrome Design Manual doc. 9157, part 4 Visual Aids, Chapter 7

PART NUMBER

- CGL-LXS-8

CIRCLING
GUIDANCE
LIGHT



CIRCLING
GUIDANCE
LIGHT

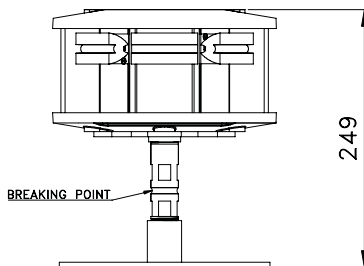
* for visibility 1.500m to 5.000m

ICAO AERONAUTICAL BEACONS

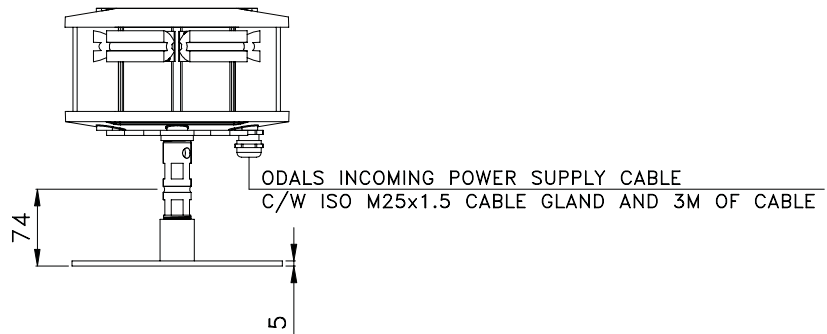
CIRCLING GUIDANCE LIGHT TECHNICAL DRAWING

BEACON DETAIL

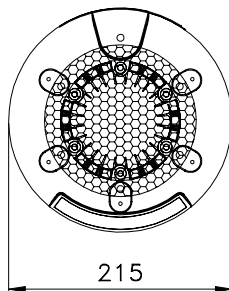
BEACON SIDE VIEW



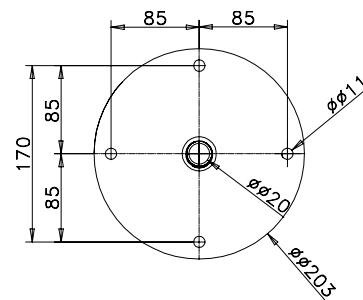
BEACON FRONT VIEW



BEACON TOP VIEW

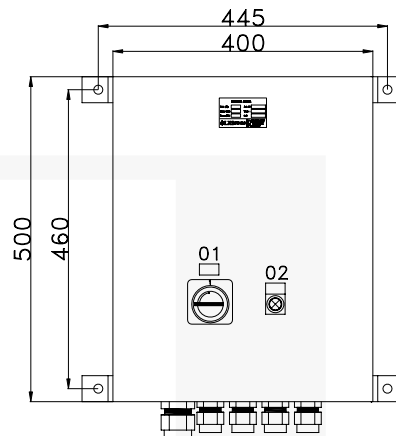


FIXING DETAILS

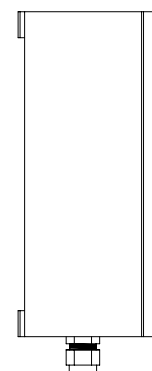


PANEL DETAIL

FRONT VIEW



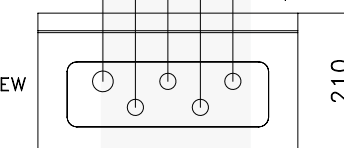
SIDE VIEW



REMOTE COMMAND SIGNALS CABLE
C/W CABLE GLAND ISO M25x1.5
ALARMS SIGNALS CABLE
C/W CABLE GLAND ISO M25x1.5
INCOMING POWER SUPPLY CABLE
C/W CABLE GLAND ISO M32x1.5

REIL-1 BEACON POWER SUPPLY CABLE
C/W CABLE GLAND ISO M25x1.5
REIL-2 BEACON POWER SUPPLY CABLE
C/W CABLE GLAND ISO M25x1.5

BOTTOM VIEW



NOTE: typical drawing for control panel