



Compliance According to Standards

ICAO: Annex 14, Volume I - Chapter 6
FAA: L-810 to FAA AC 150/5345-43G
FAA engineering briefs 67D & 98

Application

Rules concerning aircraft beaconing are established by the ICAO (Annex 14, Chapter 6). Low intensity beacons can be installed on structures up to 45 meter in height. For structures >45m, it is necessary to mark the highest level with Medium Intensity light and to install at the intermediate level the Low Intensity Type B.

Description

The LIOL is a low intensity light based on single LED optic technology solution to FAA L-810 steady burning lights. The LIOL LED is currently available in both single and double configurations. It is a long lifetime beacon (100,000 hours), with a very low consumption (<4W). The LIOL can be provided with a photocell for an automatic switch ON/OFF, and a dry contact for failure alarm. It can be solar power supplied for areas where it is difficult to bring power supply, and it is designed for an easy installation.

Specifications

- Long life time > 10 years
- Body material: Cast aluminium
- Lens: Polycarbonate UV stabilized
- Low power consumption <4W
- Intensity >32.5 candela (ICAO Type B)
- Horizontal beam 360°
- Vertical beam 10°
- Integrated photocell and dry contact (on request)
- Lightweight, corrosion resistant
- Direct retrofit to traditional fixtures
- Input voltage 120-204VAC, DC12V, DC24V
- 2 years warranty
- Protection class IP66
- Ambient temperature -30°C to +55°C
- Windspeed 240Km/h
- Weight: Single <1.5kg, Double <4.0kg
- Optional: Solar powered, Double head lamp
- Double head lamp with transfer relay (main + standby lamp)

Double head lamp



Product Code

LIOLS — 12 — A

Product Code (LIOLS: Single, LIOLD: Double)

Voltage (12: 120VAC, 23: 230VAC, 12: DC12V, 24: DC24V)
(for solar powered: SOL)

A: Alarm Line (dry output)

- *Integrated photocell is by default included, provided with photocell on/off switch
- *Double head lamp is by default provided with transfer relay (main + standby lamp)

Drawing

