# LRGL

## LED ELEVATED RUNWAY GUARD LIGHT

### COMPLIANCES

**ICAO:** Annex 14 - Volume I Fig. A2-25
**IEC:** TS 61827
**NATO:** STANAG 3316
**CAA:** CAP 168
**IAAE:** TP312

### APPLICATIONS

LED Elevated Runway Guard Light is a light fixture with dual alternating yellow light sources intended to warn a pilot or driver of a ground vehicle that they are about to enter a runway

### BENEFITS

- Thanks to the long life of the LED (60000 hours at the top brightness step or far over 100000 hours in normal operating conditions) the maintenance activities are extremely reduced and the safety of the airport operations is considerably increased
- The visibility of the warning message is greatly improved by the instant switching ON/OFF of the LEDs. The output effective candelas (which represent the real effect to the pilot eye) is more than 50 percent compared to the actual incandescent RGL
- When operating on the highest intensity setting, the light output of each beam reaches instantaneously more than the minimum value required by ICAO Specs
- Colour emitted directly by LEDs: absence of coloured filters ensures no energy losses and no colour shifts
- The compatibility with the existing typical AFL series circuits is complete. There is no need to replace CCRs, transformers and cables
- The possibility of installation on existing base plates gives the possibility of a progressive replacement of the existing lights
- In new installation, LED lights mean lower loads, lower size of CCRs and transformers, thus low life cycle costs

### PERFORMANCES

- Power supply by series circuit with current from 2.8 A through 6.6 A; the light output varies depending on the current supplied to the fixture
- Flash rate: alternating flashes, 45-50 per minute
- Vertical Adjustment: 0° to +20° with 1° locking provision
- Horizontal Adjustment: ± 20° with 5° locking provision
- Both luminous sources are surrounded by a black face and are equipped with a visor to reduce the amount of incident sunlight and maximize the contrast between the ON-OFF status
- LEDs module and electronics replacement is possible without special tool by opening the hinged front plate
- No optical adjustment after LED module or lens replacement
- Tether
- Power consumption: 50 VA
- Protection degree: IP44
- Temperature range: -55°C to +55°C

### INSTALLATION

- The fixture must be installed on reinforced baseplate, approved for this application

recommended by

LED Airport Lighting
8567 Coral Way, Unit 121,
Miami, FL 33155
Phone: (305) 790-6157
email:sales@ledairportlighting.com

Manufactured by OCEM AirfieldTechnology

## PHOTOMETRIC PERFORMANCES

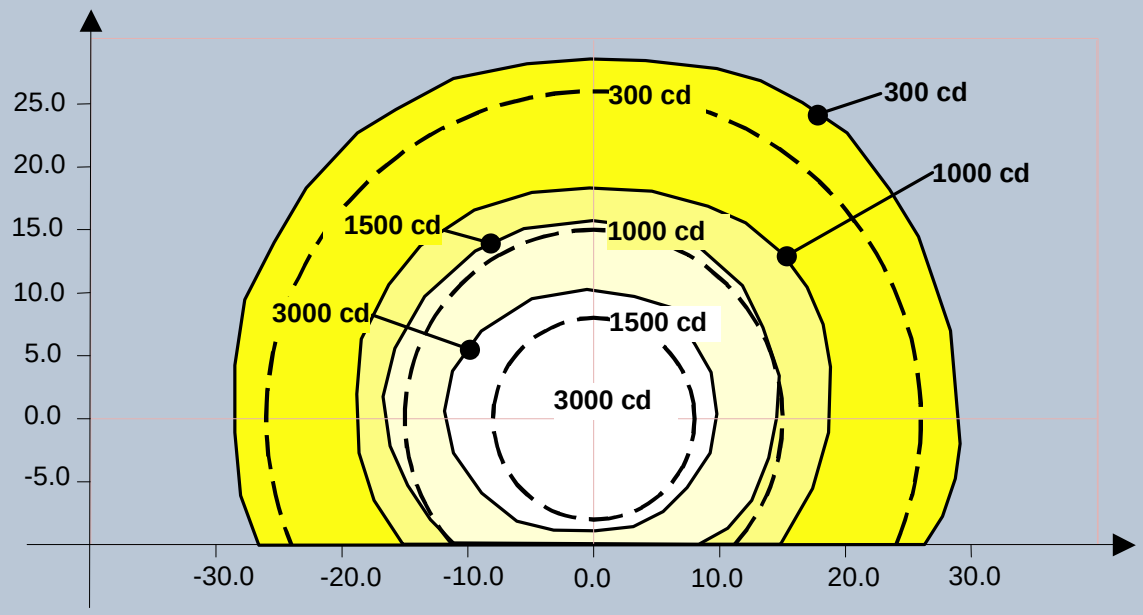


Fig. 1 OACI A2-25 – Yellow

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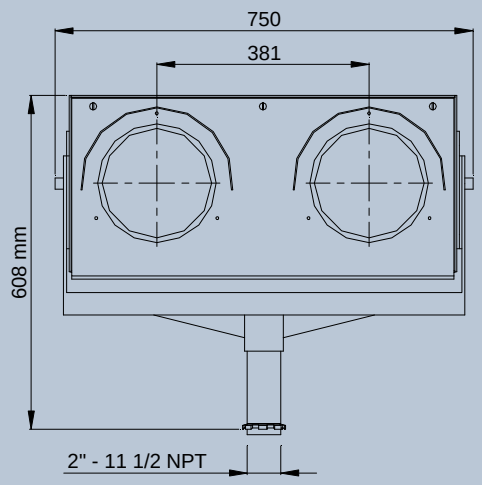
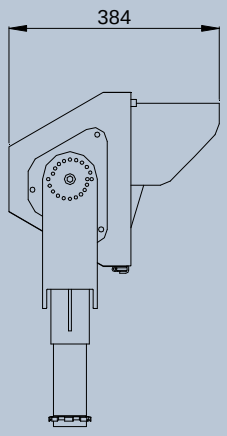
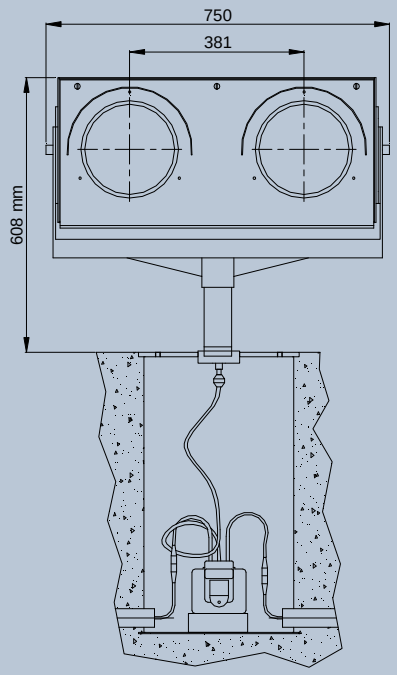



Front View




Side View




FAA L-867 Deep Base and Base Plate

**LRGL - 02 - I - 5 - X**

**Basic P/N:**

**Version:**

**Compliance:**
I = ICAO

**Mode:**
5 = 2.8-6.6A Power Supply

**Options:**
T = Tether

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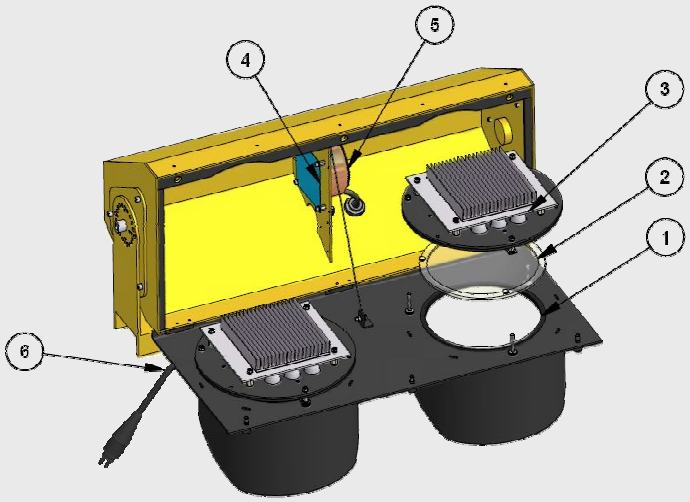
## RENEWAL PARTS FOR LIGHT UNIT

1 Lens gasket
2 Lens
3 LED module with accessories
4 Control board
5 Transformer
6 Four-pole cable lead with plug
Breakable coupling

**Refer to the relevant technical manual for the complete list of the available spare parts**




## ACCESSORIES

011.3008 Four-pole cable lead with receptacle
315.1228 Base L-867, Class IA, Size B, 24” Deep
315.1063 Baseplate for L-867 base with gasket and cable clamp (2” - 11 1/2 NPS thread)

**For any information about isolating transformers and connectors, please see the specific catalogue pages**

recommended by

LED Airport Lighting

| Shipping Weights and Volumes | | |
|---|---|---|
| | **Light Unit** | **Fixture with Breakable Coupling** |
| **Weight (kg)** | 13.8 | 15.7 |
| **Volume ($m^3$)** | 0.098 | 0.144 |





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