



REIL

THRESHOLD IDENTIFICATION ELEVATED UNIDIRECTIONAL FLASHING LIGHT



COMPLIANCES

ICAO: Annex 14 - Volume I para 5.3.8

FAA: L-849A-E AC150/5345-51

NATO: STANAG 3316

APPLICATIONS

REIL lights are used on threshold for additional conspicuity or where other approach lighting aids cannot be provided: two lights, symmetrically mounted on side of the threshold, flashing contemporarily at the rate of two cycles per second. In case of one of the two lamps fails the entire system is switched-off automatically

BENEFITS

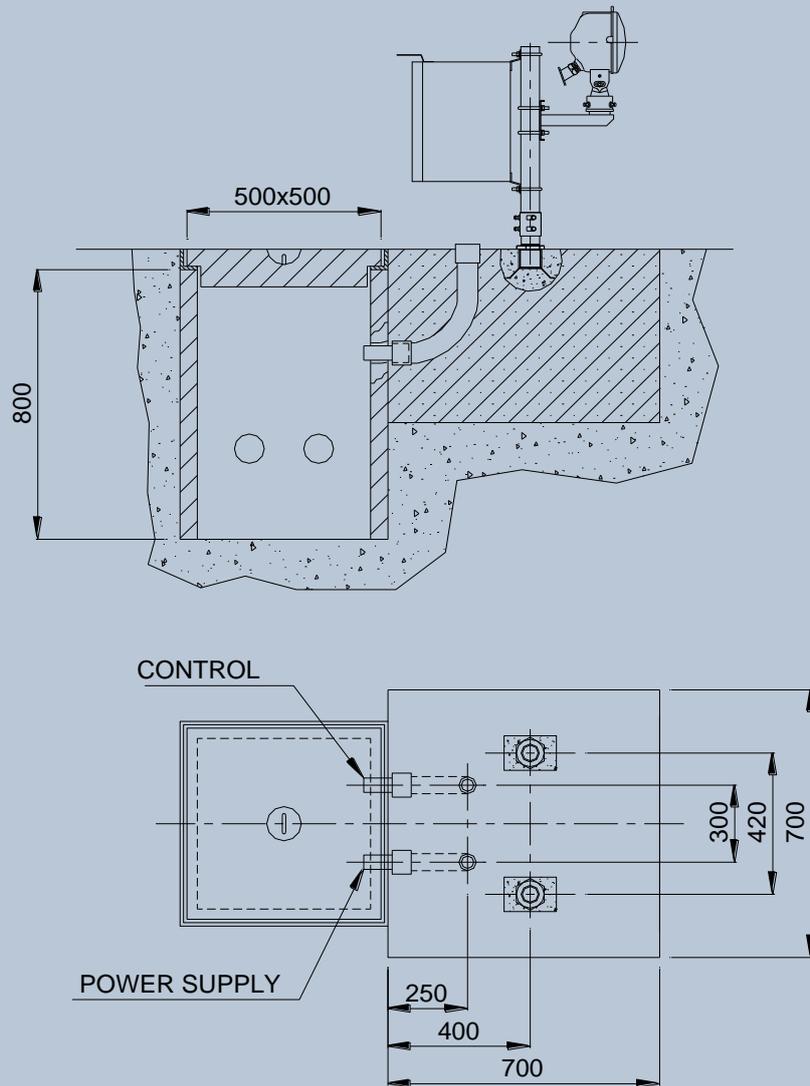
- Available for parallel or series power supply: 230 VAC \pm 10% or 2.8 A - 6.6 A *, 50-60 Hz
- The two control boxes are identical to each other, settable on site by means of dip-switches (selection Master/Slave, flashing frequency, location of the light in the flashing system)
- Power and control electronics mounted on withdrawable cards plugged with multiple connectors with safety mechanical interlock, to avoid wrong connections in case of improper insertion, for easy and quick maintenance
- Simple and quick installation: the control boxes are interconnected by in-out wirings without the need of external junction boxes
- In the case of cold or humid environments, on request the control boxes may be equipped with heaters to be powered through a dedicated line

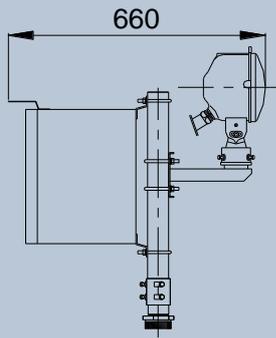
* Contact OCEM ET to exactly define the features of the constant current regulator

PERFORMANCES

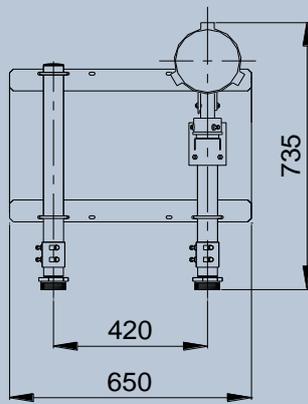
- Each light fixture consists of a flashing head and a control box, normally mounted on a common supporting structure provided with breakable couplings. The flashing head can be also separately mounted on independent pole with breakable coupling, available up to 2 m. Maximum distance between head and box: 50 m
- The lights may flash at the High Level only or at three High (100%), Medium (30%) and Low (10%) Levels
- Control boxes and flashing heads are equipped with safety microswitches to allow the quick discharge of the capacitors, when the control box door is open or the lamp is removed
- Overvoltage protections at the cable entries
- Control boxes complete with cable lead with L-823 plug, in case of series power supply
- Monitoring of the proper flashing of the lights
- Stainless steel control boxes with cable glands to protect the cable entries
- 1000 hours lamp rated life at High Level and two flashes per second, but greater in field operating conditions
- Power consumption at High Level: approx 250 VA *
- Protection degree: IP45
- Temperature range: -25°C to +55°C; -55°C when heaters are provided

* Contact OCEM ET to define the exact power consumption depending on the power supply solution





Overall dimensions - Side view



Overall dimensions - Front view

OC62R- P - 3 - C - 007 - L1

Basic P/N: _____

Power Supply : _____

S = Series 2.8 A - 6.6 A

P = Parallel 230 VAC ± 10%, 50 Hz

Brightness Levels: _____

1 = Fixed

3 = Three Steps

Mounting Assembly: _____

C = Common (head and control box mounted on the same supporting structure)

N = Near (distance between head and control box ≤ 10 m)

F = Far (distance between head and control box > 10 m)

Wiring Length: _____

000 = Wiring NOT INCLUDED

007 = Standard Wiring (for Mounting Assembly "C" only)

..... = Length fixed by the Customer (in dm)

(for Mounting Assembly "N" or "F" only)

(Example: wiring length of 8.5 m - indicate 085)

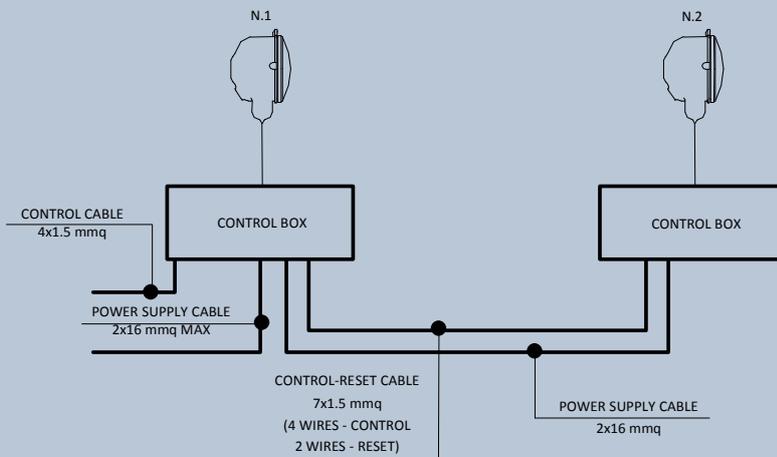
Options: _____

L1 = Cumulative Lamp Failure Monitoring

L2 = Selective Lamp Failure Monitoring

L4 = Power Supply Monitoring

ANT = Heater



THREE-STEP REIL SYSTEM

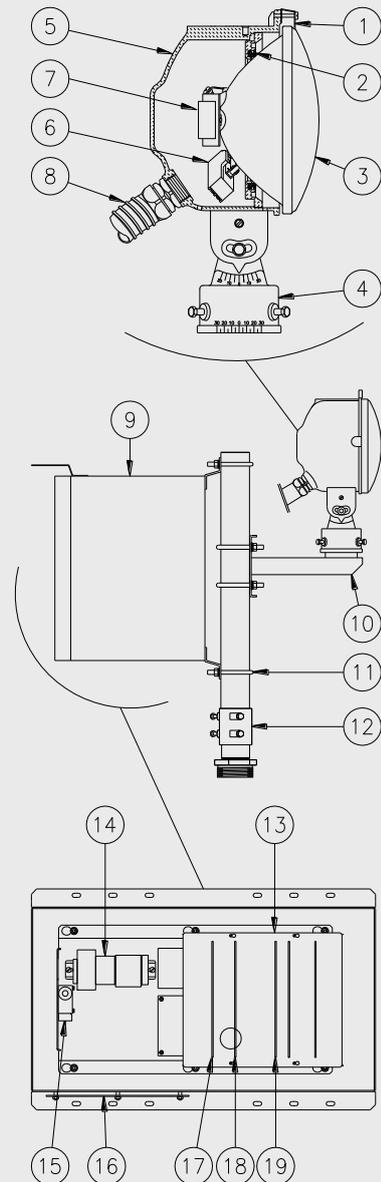
RENEWAL PARTS FOR LIGHT UNIT

- 1 Clip for lamp locking
- 2 Lamp gasket
- 3 HV1-734 lamp, QPAR-56
- 4 Graduated support for light aiming
- 5 Body for lamp housing
- 6 Safety microswitch for lamp body
- 7 Ignitor
- 8 Body-control box wiring with flexible pipe
- 9 Control box
- 10 Body-control box supportino structure
- 11 Collar for box mounting, complete with hardware
- 12 Breakable coupling for supporting structure
- 13 Plexiglass for electronic card protection
- 14 Terminal boards
- 15 Safety microswitch for control box
- 16 Cable glands
- 17 HV withdrawable card
- 18 Control withdrawable card
- 19 Power supply withdrawable card

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

ACCESSORIES

- | | |
|----------|---|
| 315.4100 | Threaded anchor 2"-11 GAS |
| 303.7350 | Threaded floor flange 2"-11 GAS |
| 013.0008 | Galvanized steel pipe elbow with upper threaded end only (2" - 11 GAS thread) |
| 315.3210 | Galvanized steel pipe elbow with both threaded ends (2" - 11 GAS thread) |
| 013.0010 | Set of two ryton rings for receptacle support inside pipe elbow |
| 303.6190 | Threaded coupling to lock the secondary plug-socket connection on pipe elbow |
| 011.0517 | Special isolation transformer for series circuits 600 VA (CCR-SCR type) |
| 011.0524 | Special isolation transformer for series circuits 400 VA (CCR with sinusoidal output) |
| 315.3230 | Mounting pole 500 mm long, 2" dia |
| 315.3240 | Mounting pole 1000 mm long, 2" dia |
| 315.3250 | Mounting pole 1500 mm long, 2" dia |
| 315.3260 | Mounting pole 2000 mm long, 2" dia |
| 332.3270 | Levelling and alignment device for standard light fixture or for flashing head on 2" dia pole |

**Shipping Weights and Volumes**

Weight (kg)	28	Flashing head and control box are shipped assembled on the supporting structure, except breakable couplings and lamp delivered separately
Volume (m³)	0.23	

We reserve the right to change the design or specification data without notice

UC-PU-0084_EN-Rev.D