

## DATASHEET

## RUNWAY END IDENTIFICATION LIGHT

ICAO Annex 14, 8th Edition, July 2018

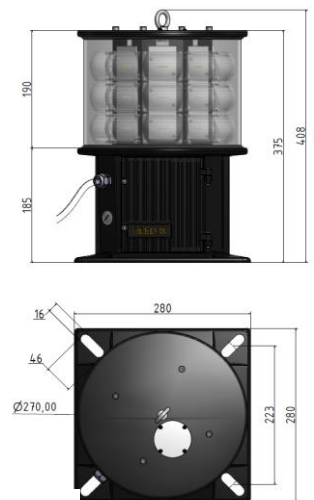
OBELUX  
AVIATION LIGHTS

Obelux Oy, Kutumotie 6 B, 00380 Helsinki FINLAND | The information in this document is subject to change without notice. © Obelux Oy 2014

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## Optical characteristics

- ▶ Colour White
- ▶ Unidirectional (30°) and omnidirectional (360°) versions available
- ▶ Vertical beam >10 degrees
- ▶ Effective intensity
  - High – 15 000cd
  - Medium – 1 500cd
  - Low – 300cd



## RUNWAY END IDENTIFICATION LIGHT

## REIL Lights

The REIL are flashing lights located on either side of a runway and are synchronized. The REIL provide circling, offset, and straight-in visual guidance for non-precision approach runways and helps the aircraft pilot differentiate the runway from other nearby lights

## Specifications

ICAO Annex 14, Paragraph 5.3.8

FAA Advisory Circular 150/5345-51B: L-849

## Key Features

- ▶ Based on LED technology
- ▶ Incorporated photocell for automatic intensity adjustment
- ▶ Several intensity adjustment levels available
- ▶ Infrared (850nm) incorporated for NVG compatibility
- ▶ Aluminium body and glass cover
- ▶ Height only 408mm, and weight 14kg
- ▶ Operating voltage 90-265VAC
- ▶ 5 year warranty- the longest in the industry

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## Electrical Characteristics

- ▶ Operating voltage 90-265V<sub>AC</sub>
- ▶ Recommended cables (Outdoor):
  - Power (L-N-PE): 3x1,5mm<sup>2</sup> or 3x2,5mm<sup>2</sup>
  - Control: Max. 5x2,5mm<sup>2</sup>

## Control by Relay Signal (DIP [1..3]=0)

| Mode             | IN1 | IN2 | IN3 | IN4 |
|------------------|-----|-----|-----|-----|
| Light OFF        | 0   | 0   | 0   | 0   |
| High – 15 000cd  | -   | -   | 0   | 1   |
| Medium - 1 500cd | -   | -   | 1   | 0   |
| Low 1 – 300cd    | -   | -   | 1   | 1   |

1 = on

0= off

off=open (=indicator LED is ON)

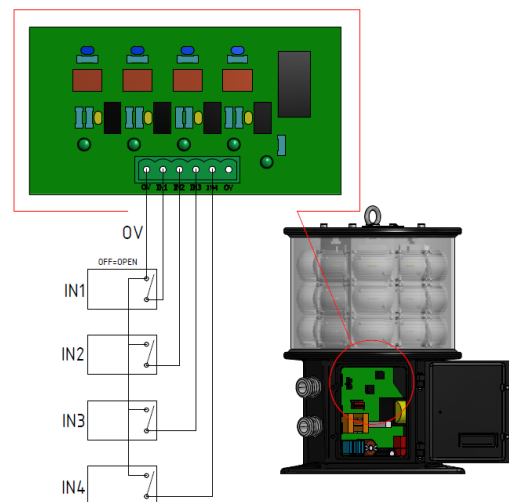
## Control by Dip Switches

| Master/Slave Function | DIP1 |
|-----------------------|------|
| Master                | 0    |
| Slave                 | 1    |

| Mode                                          | DIP2 | DIP3 |
|-----------------------------------------------|------|------|
| Remote operation<br>(control by Relay Signal) | 0    | 0    |
| High – 15 000cd                               | 0    | 1    |
| Medium - 1 500cd                              | 1    | 0    |
| Low – 300cd                                   | 1    | 1    |

## Mechanical Characteristics

- ▶ Painted marine grade aluminium body (C5MHigh)
- ▶ Glass cover
- ▶ Degree of protection IP66
- ▶ Operating temperature range -40...+55 °C
- ▶ 2x Cable gland M25 for 6-17 mm cable diameter
- ▶ Mounting 240x240mm,  $\phi$ 17mm
- ▶ Height 408 mm, diameter 270 mm
- ▶ Weight 14 kg



Location of control relays

| Order code      | Style | Horizontal | Op. volt. | CCV | Infrared | Packing dimensions |
|-----------------|-------|------------|-----------|-----|----------|--------------------|
| OBX-849-ACW-001 | A, E  | 30°        | 90-265VAC | No  | Yes      | 470x340x330, 16kg  |
| OBX-849-ACW-002 | B, F  | 360°       | 90-265VAC | No  | Yes      | 470x340x330, 16kg  |
| OBX-849-ACW-011 | A, E  | 30°        | 90-265VAC | Yes | Yes      | 470x340x330, 16kg  |
| OBX-849-ACW-012 | B, F  | 360°       | 90-265VAC | Yes | Yes      | 470x340x330, 16kg  |

|                |           |
|----------------|-----------|
| OBX-CP-849-001 | 90-265VAC |
|----------------|-----------|