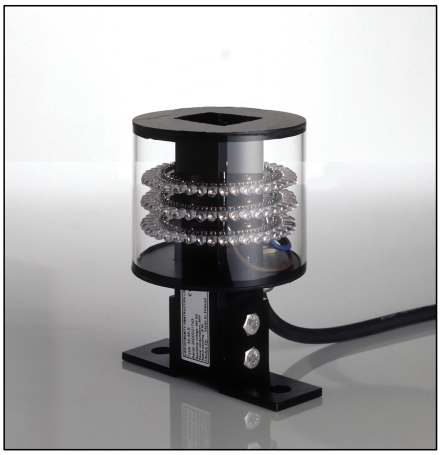
24 VDC NVG compatible Infra-Red Obstacle Light

Application
Night vision goggles compatible 850 nm infra-red obstruction light for wind mills and other aviation obstacles



Key features
- Based on LED technology
- Extremely reliable
- Very long life time
- Low power consumption
- 24 VDC operating voltage
- Stabilised light output
- Easy to install
- Mounting set and terminal box included

Benefits
- Long maintenance intervals
- Low energy costs
- Input power voltage variations do not affect to light output
- Very low lifetime costs

Spesification met
MOD CAS-AS LFOS, WITT/605/LFOPS, 17 Dec 10

Radiometric characteristics IR
- Typical intensity 300 mW/sr
- Colour Infrared 850nm
- Horizontal radiation pattern 360º
- Vertical radiation pattern -15º...+30º
- Current for the LEDs is stabilised by constant current generator
- Expected lifetime without light output falling 25% >100 000 h

Electrical characteristics
- LEDs are in several separate groups
- Nominal operating voltage 24 VDC
- Operating voltage range 22...28 VDC
- Power consumption 15 W (< 0.6 A constant current)
- Average power consumption with 60 fpm, 250 ms flashing mode <3.8W

Mechanical characteristics
- Black anodised aluminium light unit body
- Galvanised mounting arm
- Acid proof U-bolts and hex nuts
- Uncoloured glass cover
- Degree of protection IP 65
- Operating temperature range –55...+55ºC
- Height 170 mm, diameter 140 mm
- Total weight with mounting set 3.2 kg
- 5 year warranty

Order Code: Obelux IR850-024-CST

Options
- CSW-24-16-GPS, flash controller and fault monitoring unit with GPS-synchronisation

Made in Finland

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Obelux LED obstacle lights cabling and installation principles are similar to those of conventional obstacle lights, the only exception being the correct polarity required by DC feed.

Terminal box include screw terminals and overvoltage protectors.

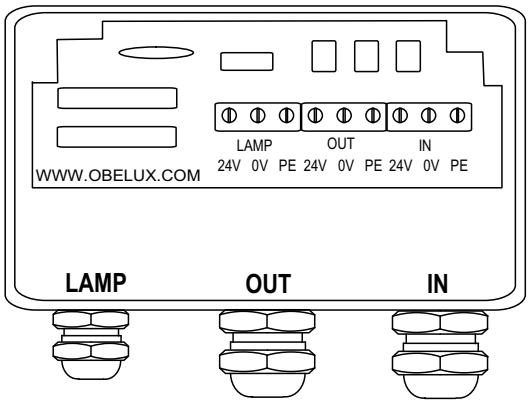
All connection alternatives can be protected with a 6 A or 10 A fuse or with a circuit breaker (C curve).

Installation specifications

- Cable gland for lamp: M20, 8-13 mm cable
- Cable gland for IN and OUT: M25, 11-17 mm cable
- Wire diameter: max. 6 mm2
- Recommended cable: 3 x 1.5 or 3 x 2.5 mm^2

The polarity is:

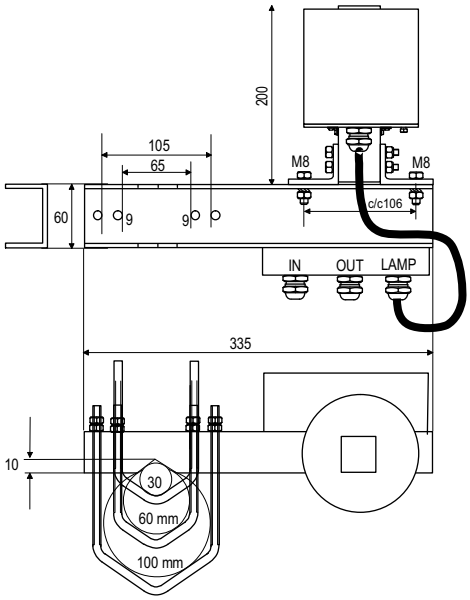
Blue -
Black +
Yellow-Green PE



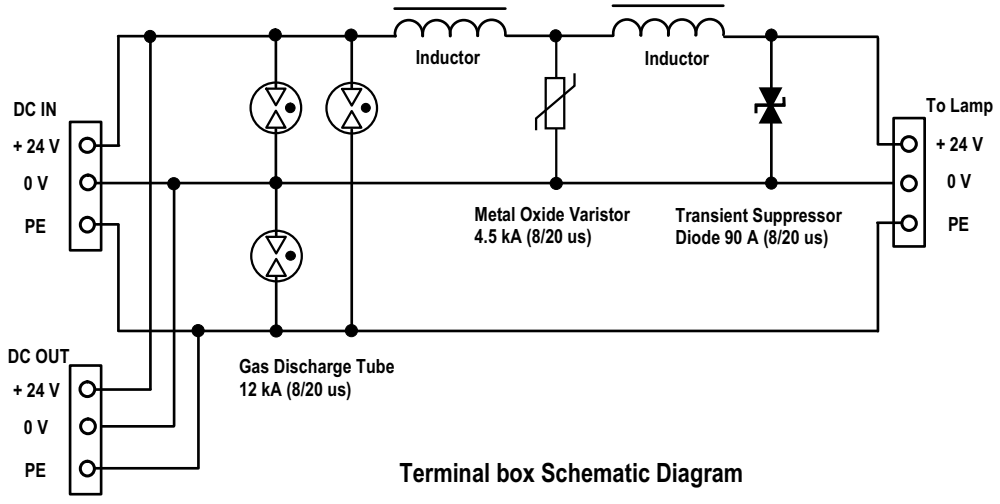
Cable Gland M20 for 8-13 mm cable

Cable Gland M25 for 11-17 mm cable

Cable Gland M25 for 11-17 mm cable



Light unit with mounting set



Terminal box Schematic Diagram

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