

## Heliport final approach and take-off area light

# MS-FATO IR



MS-FATO IR lamps are intended for the marking of heliport FATO area.

The lamp emits white light beam and infrared radiation, which both can be independently switched on and off.

Infrared radiation is helpful for the pilots equipped with night vision goggles, which can darken standard lamps emitting light only in the visible band. Use of LED and IR LED light sources guarantee long lamp

operation and very low power consumption. Stainless steel lamp body and high quality materials make the lamp resistant and durable. The lamp is given three years warranty.

### Basic MS-FATO IR lamp parameters:

- Independently switched on and off fixed white and infrared (850 nm) light beams
- Fixed white light intensity > 100 cd
- Fixed IR radiation power > 300 mW/sr
- LED operation time > 100 000 h (>10 years)
- Horizontal light spread 360°
- Vertical light spread:  
white light beam: 0° to +30°  
IR radiation: -5° to +30°
- Stainless steel lamp body, PMMA cloche
- Casing protection class IP 65
- Dimensions 160 x 160 x 80 mm
- Weight 1,8 kg
- Operating temperature range -40°C to +55°C
- Storage temperature range -40°C to +55°C
- Power supply 230 V AC +/- 10%
- Power consumption 8 W (white) + 8 W (IR)
- Fuse protection 2 x 630 mA (fuse in each channel)
- Electric protection class I
- Three years warranty

### MS-FATO IR lamp bears mark and complies with following standards:

- ☒ European safety standards: EN 60950-1, EN 61347-1, EN 61-347-2-13
- ☒ European Electromagnetic Compatibility (EMC) Directive: EN 55022, EN 61000-3-2 class A, EN 61000-3-3 (EMC emission), EN 55024, EN 61000-4,2,3,4,5,6,8,11, criterion A (EMC immunity)
- ☒ ICAO International Standards and Recommended Practices: Annex 14 to the Convention on International Civil Aviation, Aerodromes, Volume II, Heliports, Chapter 5, Point 5.3.7, Edition IV, July 2013

Lamp parameters have been confirmed by measurements in independent, accredited laboratory and by tests in the Polish Medical Air Rescue.

### Producer and distributor:

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