

Visual guidance system MS-WSN HELA



MS-WSN HELA is a visual guidance system assisting the pilot in maintaining the correct azimuth of the helicopter approach track to the landing pad. The guidance system consists of two lamps placed symmetrically on both sides of the landing area at the edges of the FATO parallel to the preferred approach direction. Lamps are synchronized with each other and emit sequences of light flashes in the angle sectors within +/- 15° in relation to the approach direction. The flashes of light visible to the pilot deliver information on the needed correction of the flight.

Basic system parameters:

- Two lamps emitting light flash sequences in angle sectors with a width of 1°
- White light with an intensity > 9,000 cd
- Horizontal light distribution +/- 15° (31 sectors 1o)
- Vertical light distribution +/- 10°
- Intensity regulation 100%, 30% and 10%
- LED lifetime > 100,000 hours (> 10 years)
- Automatic defrosting of the lamp
- Monitoring of the lamp system operation
- My-Soft lamp drivers can be applied
- Housing made of painted steel, IP65
- Dimensions of the lamp body
- (width x height x depth) 760 x 250 x 480 mm
- The weight of the lamp body 20 kg
- Working temperature -40°C - + 55°C
- Storage temperature -40°C - + 55°C
- Power supply 150 - 240 V AC
- Average power 50 W, max power consumption 100 W
- Protection class I
- Connection box with dimensions
- (width x height x depth) 300 x 300 x 200 mm
- Warranty 2 years

MS-WSN HELA lamps are marked with CE sign and meet the requirements of:

- European electrical safety standards:
EN 60950-1, EN 61347-1, EN 61-347-2-13
- European electromagnetic compatibility (EMC) standards:
EN 55022, EN 61000-3-2 Class A, EN 61000-3-3 (EMC emission standards),
EN 55024, EN 61000-4,2,3,4,5,6,8,11, criterion A (EMC resistance standards)
- Recommendations of the International Civil Aviation Organization (ICAO):
 - Annex 14 to the Convention on International Civil Aviation, Airports, Volume II, Airports for helicopters, 3rd edition, July 2009
 - Heliport Manual, III Edition 1995
- Annex to the Regulation of the polish Minister of Health of November 3, 2011.
 - Requirements for hospital emergency department landing sites

Meeting the above mentioned requirements has been confirmed by tests in the polish accredited optical laboratory and tests at the polish Aviation Emergency Service.

Manufacturer and distributor:



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