

HFL100EX

Explosion proof LED helideck floodlight

Explosion proof LED helideck floodlight to provide illumination of the landing area of the helideck.



KEY FEATURES

- Reliable LED floodlight gives low cost of ownership and maintenance
- Low power consumption due to highly efficient LED light source and lens system
- Certified for Zone 1 areas with gas explosion hazard
- Low profile design (<250 mm) allows direct mounting on helideck
- Offshore resistant, high quality coating on cast light alloy base
- Stainless steel mounting facilities to prevent corrosion problems, and integrated junction box
- Wide beam spread for optimum equal helideck illumination
- Easy aiming facility to meet requirement of computer simulation for helideck illumination

STANDARDS/CERTIFICATION

- Complies with ICAO Annex 14, Volume II; International standards and recommended practices: Aerodromes, July 2013, chapter 5, paragraph 5.3.9 – Helideck Floodlights
- Complies with Normam 27; Chapter 5; Section 0505d
- Complies with Norsok C-004; Section 18.3
- SIRA 17ATEX0005 X; ATEX II 2 G Ex db eb op is IIB T4 Gb
- EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-28
- IECEx KIWA 17.0003X; Ex db eb op is IIB T4 Gb
- IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-28
- ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-1, ABNT NBR IEC 60079-7 and ABNT NBR IEC 60079-28 (optional)
- Inmetro NCC 18.0033X (optional)

PERFORMANCE CHARACTERISTICS

- Highly efficient LED light source and lens system
- No glare
- Aiming facilities provided

ELECTRICAL CHARACTERISTICS

- Operating voltage: see table
- Power consumption: See table
- Connection details: max. 4 mm²; 2 x M25x1,5 cable gland entries
- Earth connection: internal max. 4 mm² and external M5

PHYSICAL CHARACTERISTICS

- Dimensions (L x W x H): 250 x 480 x 215 mm
- Weight: max 20Kg
- Design degree of protection: IP66
- Operating temperature range: -50°C to +55°C

SYSTEM DESIGN, CONTROL AND MONITORING

- When used in a floodlight system the average horizontal illuminance of the floodlighting will meet the regulatory requirements of at least 10 lux, with a uniformity ratio (average to minimum) of not more than 8:1 measured on the surface of the TLOF.

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Type designation	Voltage	Power consumption (W)
	Supply voltage	
HFL100EX-AC	110-254 Vac; 50/60 Hz	29
HFL100EX-DC	20-33 Vdc	27

