

HFL200EX

Ex certified LED helideck floodlight

LED helideck floodlight, certified for zone 1 and 2 gas hazardous areas, to provide a source of illumination for helideck landing areas. Designed in a low-profile housing (<150 mm) to allow direct mounting on the helideck and illumination according to ICAO regulatory requirements



KEY FEATURES

- Reliable LED floodlight, low cost of ownership
- Low power consumption due to highly efficient LED light source and lens system
- Double entry for looping purposes to other floodlights
- Low profile design (<150 mm) allows direct mounting on helideck
- Offshore resistant, high quality coating on cast light alloy base
- Certified for Zone 1 and 2 areas with gas explosion hazard
- Stainless steel (SS316) mounting facilities to prevent corrosion problems
- Wide beam spread for optimised and even helideck illumination

ELECTRICAL CHARACTERISTICS

- Operating voltage: 110-254 Vac; 50/60 Hz
- Power consumption: 28 W / 29 VA
- Connection details: M4; two M20x1,5 entries to allow looping
- Earth connection: internal M4 and external M5

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 Norway – BSL D 5-1 – Regulations relating to helicopter aviation – use of offshore helidecks, Section 36
- Complies with USA – HSAC RP 161 – New Build Helideck Design Guidelines, Section 7.3
- Complies with CAA-UK CAP 437 9th edition; general maintenance flood lighting, Chapter 4, § 4.23 & 4.24.
- Complies with Brazil – NORMAM-223/DPC – Maritime Authority Standards for Registration Of Helidecks, Section 5.5
- Complies with UAE – CAAP 71 – Helidecks (off-shore) – Chapter 13, Section 2
- EN 60079-0, EN 60079-7, EN 60079-18
- CML 23ATEX5561X; ATEX II 2 G Ex eb mb IIC T6 Gb
- IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-18
- IECEx CML 23.0198X Issue 0; Ex eb mb IIC T6 Gb

PHYSICAL CHARACTERISTICS

- Dimensions (L x W x H): 256 x 278 x 149 mm (incl. mounting bracket)
- Weight: 8 kg
- Design degree of protection: IP66
- Operating temperature range: -25°C to +55°C

PERFORMANCE CHARACTERISTICS

- Steady burning; white
- Highly efficient LED light source and lens system
- No glare
- Aiming facilities provided

SYSTEM DESIGN, CONTROL AND MONITORING

- *) When used in a floodlight system, based on advised number of lights at defined positions, 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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