

L425EX

The L425EX, a new explosion proof LED helideck status (Wave-off) light.

Explosion proof IECEx/ATEX certified LED helideck status (Wave-off) light meeting CAP437 requirements in conjunction with the separate system control box. Long life LEDs and light weight design, which incorporates stainless steel mounting facilities and suitable for direct mounting on the helideck due to low profile design (<250mm), makes product ideal for the environmental conditions, easy installation and long maintenance intervals.



Key features

- High intensity warning beacon
- Suitable for Zone 1 and Zone 2 areas with gas explosion hazard
- Intensity min. 700cd between a vertical angle from 2° to 10°, min. 176cd outside this angle
- Low profile design (<250mm) allows direct mounting on helideck
- Offshore resistant, high quality coating on the cast light alloy base
- Stainless steel mounting facilities to prevent corrosion problems, and integrated junction box
- State of the art high power LEDs and technology provide superior life and reliability
- Photometric test report of independent institution

Standards/certification

- Certified to CAA-UK CAP 437; Offshore helicopter landing areas - Guidance on standards, Aug. 2010, chapter 4, paragraph 3.10 – Helideck status light
- Complies with ICAO Annex 14, Volume I, Appendix I, July 2004, Figure A1-1 – Colours for aeronautical ground lights
- Cenelec EN 60079-0, EN 60079-7 and EN 60079-11
- KEMA 10ATEX0128; ATEX $\text{Ex e [ib] IIC T5 Gb}$, according to ATEX Directive 94/9/EC
- Cenelec IEC 60079-0, IEC 60079-7 and IEC 60079-11
- IECEx KEM 10.0052; Ex e [ib] IIC T5 Gb

Performance characteristics

- Flashing; red
- Flash frequency 2Hz for a single main light system; or alternating 1Hz per fitting for a 2 main light system
- Effective intensity: 700cd minimum; 60cd maximum in dim mode
- Horizontal beam coverage: 360°
- Vertical beam profile: in compliance with above mentioned CAA requirements
- Colour chromaticity within the boundaries as specified by ICAO
- State of the art LED technology with the latest high power LEDs

Electrical characteristic

- Operating voltage: DC voltage from status light control panel
- Power consumption: 35W average when active
- Connection details: max. 4mm²; one M25x1.5 cable gland entry
- Earth connection: internal 4-6mm² and external M4

Physical characteristics

- Dimensions (L x W x H): 451 x 420 x 219mm
- Weight: 13.5kg
- Degree of protection: IP66
- Operating temperature range: -40°C to +55 °C

System design, control and monitoring

- Fault monitoring with alarm contact(s) via separate system control and monitoring box (to be released soon)
- Remote control panel for operation (to be released soon)

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