

# L85EX-B-xx and L85EX-Y-xx

## Explosion proof blue or yellow LED helideck perimeter light

Explosion proof LED helideck perimeter lights to meet the demanding requirements of offshore environmental conditions. The design is based on low power long life LED technology and use of stainless steel.



### KEY FEATURES

- Reliable helideck perimeter light
- Low cost of ownership
- Low power consumption
- Serviceable unit, parts are interchangeable
- Certified for Zone 1 areas with increased gas explosion hazard
- Compact design, meeting the maximum 150mm height restrictions of IMO
- Intensity main beam 10cd blue or yellow
- Impact resistant dome and stainless steel 316 body
- Spacious, easy to open cable connection compartment

### PERFORMANCE CHARACTERISTICS

- Steady burning; blue or yellow
- Intensity: see table
- Horizontal beam coverage: 360°
- Colour chromaticity within the boundaries as specified by ICAO

### STANDARDS/CERTIFICATION

- In line with API (American Petroleum Institute), Recommended practice for Planning, Designing, and Constructing Heliports for Fixed Offshore Platforms; RP 2L, 1996, chapter 5.10
- In line with API (American Petroleum Institute), Recommended practice for Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class 1, Zone 0, Zone 1 and Zone 2 Locations; RP 14FZ, 2001, chapter 9.5.6
- Cenelec EN 60079-0, EN 60079-7 and EN 60079-18
- SIRA 12ATEX3066; ATEX [expr] II 2G Ex e mb IIC T4 Gb
- IEC 60079-0, IEC 60079-7 and IEC 60079-18
- IECEx SIR 12.0026; Ex e mb IIC T4 Gb
- NCC 12.1223; Ex e mb IIC T4 Gb

### ELECTRICAL CHARACTERISTICS

- Operating voltage: see table
- Power consumption: see table
- Connection details: M4; two M25x1.5 cable entries
- Earth connection: internal M4 and external M6

### PHYSICAL CHARACTERISTICS

- Dimensions (L x W x H): 161 x 161 x 111 mm
- Weight: 3.6 kg
- Design degree of protection: IP66
- Operating temperature range: -40°C to +60°C

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Type	Operating voltage range	Power consumption	Intensity	Vertical beam profile
L85EX-B-AC	100-254 Vac; 50-60 Hz	4.5 W (6 VA)	10 cd minimum;	all angles above horizon
L85EX-Y-AC	100-254 Vac; 50-60 Hz	2.5 W (4 VA)	32cd minimum;	all angles above horizon
L85EX-B-DC	20 – 30 Vdc	4 W	10 cd minimum;	all angles above horizon
L85EX-Y-DC	20 – 30 Vdc	2 W	32cd minimum;	all angles above horizon

