L85EX-R-xxx

Explosion proof red aeronautical obstruction light

Explosion proof LED low intensity aeronautical obstruction 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. The fittings meet the regulatory requirements for ICAO, CAP437/168, the Mining regulations of the Netherlands and IMO.

KEY FEATURES

- Reliable low intensity aeronautical obstruction 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
- Robust, Electropolished stainless steel 316, light weight design
- Spacious cable connection compartment
- Photometric test of independent institution

STANDARDS/CERTIFICATION

- Standards product specific: see table 1
- 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
- ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-7 and ABNT NBR IEC 60079-18
- NCC 12.1223; Ex e mb IIC T4 Gb (optional)

PERFORMANCE CHARACTERISTICS

- Steady burning; red
- Intensity: see table 2
- Horizontal beam coverage: 360°
- Vertical beam profile: see table
- Red light, chromaticity within the boundaries as specified by ICAO

ELECTRICAL CHARACTERISTICS

- Operating voltage: see table 2
- Power consumption: see table 2
- 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
- Degree of protection: IP66
- Operating temperature range: -40°C to +60°C

Orga BV
Strickledeweg 13
3125AT Schiedam
The Netherlands

P.O. Box 3046
3101 EA SCHIEDAM
The Netherlands

info@orga.nl
T +31 (0)10 208 55 55
F +31 (0)10 437 8445

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Type	Standards/Certification
L85EX-R-AC-10 L85EX-R-DC-10	· Certified to ICAO Annex 14 Volume 1, 9th Edition, November 2022, Chapter 6, Low Intensity Type A · Certified to CAP 168 12th Edition January 2022, Paragraph 4.101 and Table 6A.1 Item 11 (Group A) · Certified to CAP 437 9th Edition February 2023, Paragraph 4.31 · Certified to IMO standard MODU code; 2009 (Edition 2010), Paragraph 13.5.24 · Certified to Mining Regulations of The Netherlands; 2002, article 5.5
L85EX-R-AC-32 L85EX-R-DC-32	· Certified to ICAO Annex 14 Volume 1, 9th Edition, November 2022, Chapter 6, Low Intensity Type A and Type B · Certified to CAP 437 9th Edition February 2023, Paragraph 4.31 · Certified to CAP 168 12th Edition January 2022, Paragraph 4.101 and Table 6A.1 Item 11 (Group A) · Certified to IMO standard MODU code; 2009 (Edition 2010), Paragraph 13.5.25
L85EX-R-AC-200 L85EX-R-DC-200	· Certified to CAP 437 9th Edition February 2023, Paragraph 4.32 · Certified to CAP 168 12th Edition January 2022, Paragraph 4.101 and Table 6A.1 Item 12 (Group B)

Table 1

Type	Operating voltage range	Power consumption	Intensity	Vertical beam profile
L85EX-R-AC-10	100-254 Vac; 50-60 Hz	2.5 W (4 VA)	10 cd minimum; 60 cd maximum	all angles above horizon
L85EX-R-AC-32	100-254 Vac; 50-60 Hz	5.5 W (7 VA)	32 cd minimum; 60 cd maximum	all angles above horizon
L85EX-R-AC-50	100-254 Vac; 50-60 Hz	8 W (9 VA)	50 cd minimum	all angles above horizon
L85EX-R-AC-200	100-254 Vac; 50-60 Hz	8 W (9 VA)	200 cd minimum (5° – 8°) 50 cd minimum (0° – 15°)	as per CAP168 Chapter 4 and Appendix 6, Table 6A.1, Group B
L85EX-R-DC-10	20 – 30 Vdc	2 W	10 cd minimum; 60 cd maximum	all angles above horizon
L85EX-R-DC-32	20-30 Vdc	5 W	32 cd minimum; 60 cd maximum	all angles above horizon
L85EX-R-DC-50	20-30 Vdc	7.5 W	50 cd minimum	all angles above horizon
L85EX-R-DC-200	20-30 Vdc	7.5 W	200 cd minimum (5° – 8°) 50 cd minimum (0° – 15°)	as per CAP168 Chapter 4 and Appendix 6, Table 6A.1, Group B

Table 2

Orga BV
Strickledeweg 13
3125AT Schiedam
The Netherlands

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The Netherlands

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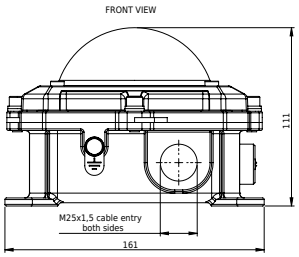

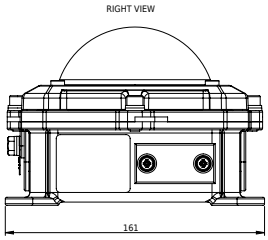

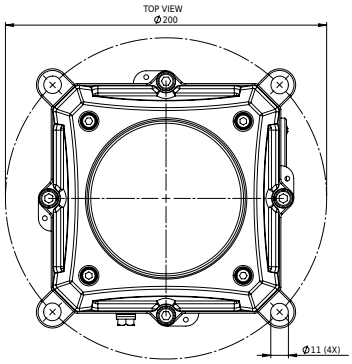

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