

LIT - Low Intensity Tower Light Series

ICAO Low Intensity Type B 32cd

Key features

- Based on LED technology
- Suitable for Offshore environment
- "Through-the-wall" tower marking solution; i.e. pin light
- Supports both stand-alone and RS-485 Modbus operations
- Built-in photocell
- Built-in fault monitoring
- Can also be controlled with voltage signals
- Design lifetime more than 20 years
- 5-year warranty
- Option for 10-year warranty, the longest in the industry

Specifications met

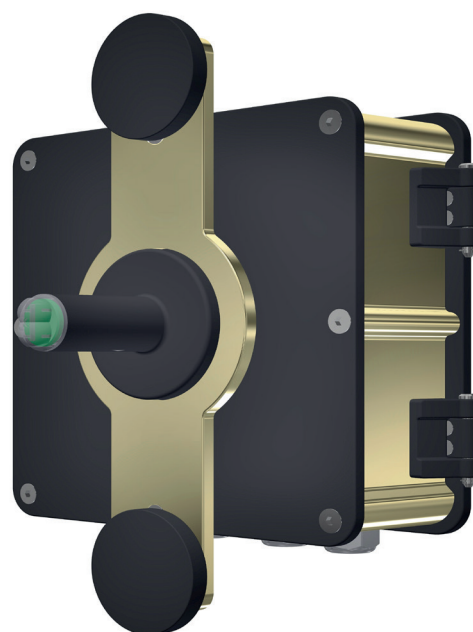
- ICAO International Standards and Recommended Practices: Aerodromes Annex 14 Volume 1, 8th Edition, July 2018, Chapter 6: Low-intensity Type A/B/E. Chapter 6.2.4 Wind turbines
- FAA Advisory Circular AC 150/5345-43J: Specification for Obstruction Lighting Equipment, 3/11/2019 FAA L-810, L-810(F)
- Einordnung als Hindernisfeuer Erweiterte Spezifikation gemäß Allgemeine Verwaltungsvorschrift zur Kennzeichnung von Luftfahrthindernissen vom 26.08.2015 (GERMANY)
- Finnish Civil Aviation Authority, Traficom (FINLAND)
- Transportstyrelsen TSFS 2010:155 (TSFS 2013:9, TSFS 2016:95, TSFS 2019:27) (SWEDEN)
- Luftfartstilsynet FOR-2014-07-15-980 (NORWAY)
- Ministerie van Infrastructuur en Milieu (lage intensiteit), 30.9.2016 (NETHERLANDS)

Electrical characteristics

- AC models: Nominal 115 or 230 VAC, 50Hz / 60Hz $\pm$ 6%
- DC models: DC voltage range: 10 - 60 VDC
- Rated current: $\leq$ 1A
- Built-in overvoltage protection.
- Power consumption starting from 2W upwards
- Alarm relay in all versions. Dry Contact 250VAC (8A) or 60VDC (0.75A)
- RS-485 Modbus (isolated) communication versions available
- Lights can be daisy-chained (both power and data)
- Overvoltage Protection level: Class III - IEC 61643-11
- Control voltage signal option: 5-55VDC for IR and/or RED

Optical characteristics

- 10 cd Type A
- 32 cd Type B fixed
- 32 cd Type E flashing
- 50 cd for the Netherlands
- Colour aviation RED
- NVG compliant infrared (850nm)
- According to ICAO Standards and Recommended Practices



CEL-LIT Tower Light

Mechanical characteristics

- Pin size
 - Ø18mm x 50mm (diameter x length):
 - Ø30mm x 50mm (diameter x length):
 - Other tube lengths also available on request
- Operating temperature range -40...+55 °C
- IP66 protection degree
- Marine-grade aluminum
- Rubber (EPDM) light and wall seal
- Spirit level inside to assist mounting
- Mechanical impact resistance IK05 (according tIEC 62262)



OPERATING VOLTAGE
230 VAC



CAUTION ! LED RADIATION
DO NOT STARE INTO LED BEAM OR VIEW
DIRECTLY WITH OPTICAL INSTRUMENTS.
CLASS 2A LED PRODUCT

T: +44 (0)20 8540 1034
F: +44 (0)20 8543 3058
E: info@contarnex.com

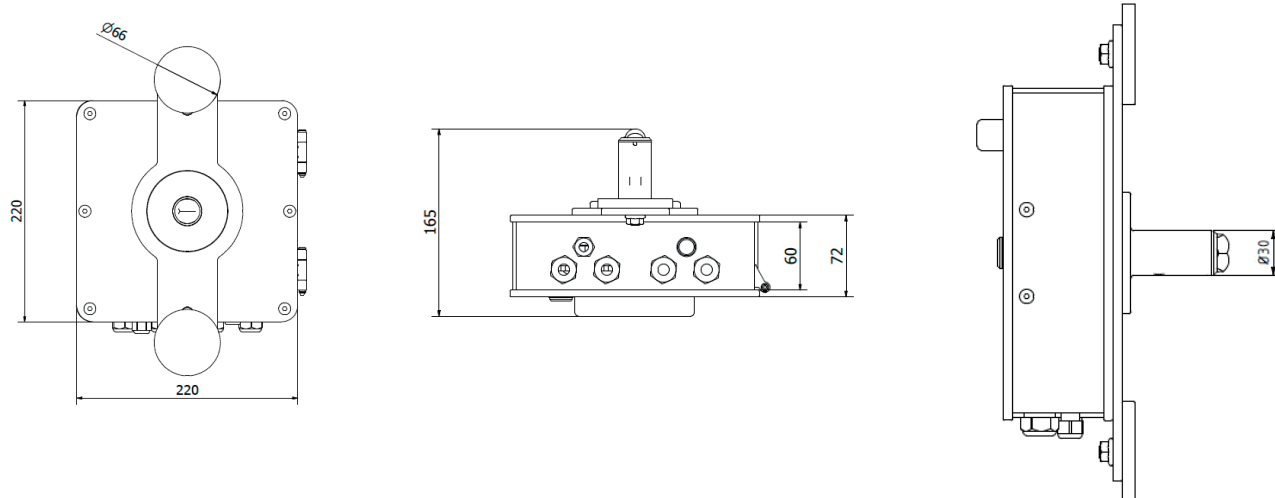
Contarnex Europe Limited
252 Martin Way,
Morden, Surrey SM4 4AW
United Kingdom



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Physical Dimensions



Order Codes

Order Code	Output	Specification	Operating Voltage	Control Signal	Infrared	Photocell	Alarm Relay	RS-485 Modbus
LIT10-AC230-50C-X-X	10cd	Type A	230VAC	Option	No	Option	Yes	Option
LIT10-AC230-50D-X-X	10cd	Type A	230VAC	Option	No	Option	Yes	Option
LIT10-AC230-IR-50D-X-X	10cd	Type A	230VAC	Option	Yes	Option	Yes	Option
LIT10-DC-50C-X-X	10cd	Type A	10-60VDC	Option	No	Option	Yes	Option
LIT10-DC-50D-X-X	10cd	Type A	10-60VDC	Option	No	Option	Yes	Option
LIT10-DC-IR-50D-X-X	10cd	Type A	10-60VDC	Option	Yes	Option	Yes	Option
LIT32-AC230-50C-X-X	32cd	Type B	230VAC	Option	No	Option	Yes	Option
LIT32-AC230-50D-X-X	32cd	Type B	230VAC	Option	No	Option	Yes	Option
LIT32-AC230-IR-50D-X-X	32cd	Type B	230VAC	Option	Yes	Option	Yes	Option
LIT32-DC-50C-X-X	32cd	Type B	10-60VDC	Option	No	Option	Yes	Option
LIT32-DC-50D-X-X	32cd	Type B	10-60VDC	Option	No	Option	Yes	Option
LIT32-DC-IR-50D-X-X	32cd	Type B	10-60VDC	Option	Yes	Option	Yes	Option
LIT50-AC230-50C-X-X	50cd		230VAC	Option	No	Option	Yes	Option
LIT50-AC230-50D-X-X	50cd		230VAC	Option	No	Option	Yes	Option
LIT50-AC230-IR-50D-X-X	50cd		230VAC	Option	Yes	Option	Yes	Option
LIT50-DC-50C-X-X	50cd		10-60VDC	Option	No	Option	Yes	Option
LIT50-DC-50D-X-X	50cd		10-60VDC	Option	No	Option	Yes	Option
LIT50-DC-IR-50D-X-X	50cd		10-60VDC	Option	Yes	Option	Yes	Option
LIT70-AC230-50D-X-X	70cd		230VAC	Option	No	Option	Yes	Option

Options

M = RS-485 Modbus

C = Control Voltage

P = Photocell

10 = 10yr warranty