

LIT Low-Intensity Tower Light Series

ICAO Low-intensity Type A 10 cd
ICAO Low-intensity Type B and Type E 32 cd
Low-intensity 50 cd
Low-intensity 70 cd

OBELUX
AVIATION LIGHTS

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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

Specifications Met

ICAO International Standards and Recommended Practices: Aerodromes Annex 14 Volume 1, 9th Edition, July 2022, Chapter 6: Low-intensity Type A/B/E. Chapter 6.2.4 Wind turbines

Complies with FAA light distribution requirements (L-810, L-810F) according to: AC 150/5345-43J: Specification for Obstruction Lighting Equipment, 3/11/2019

Allgemeine Verwaltungsvorschrift zur Kennzeichnung von Luffahrtshindernissen vom 24.04.2020 (GERMANY)

Finnish Transport and Communications Agency, Traficom. Ohje tuulivoimaloiden päivämerkintään, lentoestevaloihin sekä valojen ryhmytykseen. 7.9.2020 (FINLAND)

Transportstyrelsen TSFS 2020:88 (SWEDEN)

Luftfartstilsynet FOR-2014-07-15-980 (NORWAY)

Ministerie van Infrastructuur en Milieu (lage intensiteit), 30.9.2016 (NETHERLANDS)

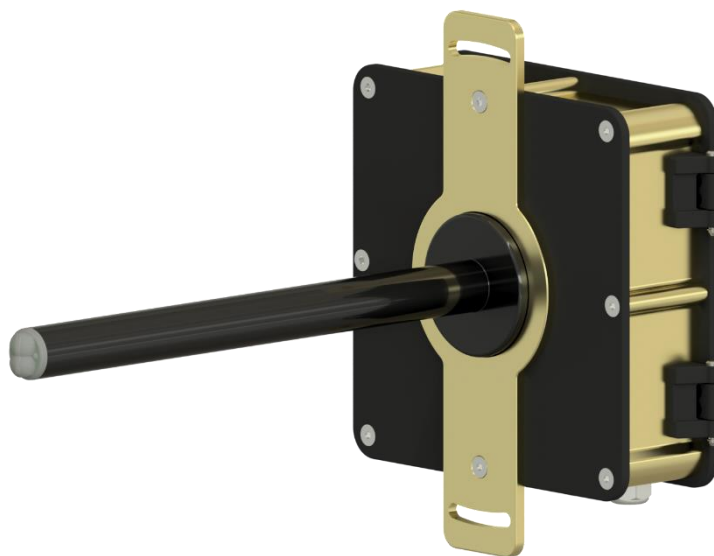


Photo only for illustration.

LIT Low-Intensity Tower Light series

LED Aviation Obstruction Lights

LIT series is Obelux's unique design to mark intermediary levels on wind turbines. The light is installed from inside the tower through extremely small hole. All maintenance and replacement work can be done from inside the tower which allows savings in case of maintenance or repair is needed.

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

Electrical Characteristics

- ▶ AC models: Nominal 115 or 230 V_{AC}, 50 Hz / 60 Hz ± 6 %
- ▶ DC models: DC voltage range: 10 – 60 V_{DC}
- ▶ Rated current: ≤ 1 A
- ▶ Built-in overvoltage protection
- ▶ Power consumption starting from 1,5 W upwards
- ▶ Alarm relay in all versions
Dry Contact 250 V_{AC} (8 A) or 60 V_{DC} (0,75 A)
- ▶ 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: 5-55 V_{DC} for IR and/or RED

Mechanical Characteristics

- ▶ Pin size: Ø30 x 570 mm (diameter x length)
- ▶ Operating temperature range: -40 ... +55 °C
- ▶ IP66 protection degree
- ▶ Marine-grade aluminum
- ▶ Rubber (EPDM) sealing between Tower light and the wall structure.
- ▶ Spirit level inside to assist mounting
- ▶ Mechanical impact resistance IK05 (according to IEC 62262)
- ▶ Weight 3 Kg

Order Codes

Order Code:	Output:	Specification:	Operating Voltage:	Power Consumption:	Infrared:	RS-485 Modbus:	Control Signal:	Photocell:
LIT10-AC230-570D-x-y	10 cd	Type A	230 V _{AC}	2,4 W	No	Option	Option	Option
LIT10-AC230-IR-570D-x-y	10 cd	Type A	230 V _{AC}	2,6 W	Yes	Option	Option	Option
LIT10-DC-570D-x-y	10 cd	Type A	10-60 V _{DC}	1,5 W	No	Option	Option	Option
LIT10-DC-IR-570D-x-y	10 cd	Type A	10-60 V _{DC}	1,7 W	Yes	Option	Option	Option
LIT32-AC230-570D-x-y	32 cd	Type B/E	230 V _{AC}	3,5 W	No	Option	Option	Option
LIT32-AC230-IR-570D-x-y	32 cd	Type B/E	230 V _{AC}	3,7 W	Yes	Option	Option	Option
LIT32-DC-570D-x-y	32 cd	Type B/E	10-60 V _{DC}	2,6 W	No	Option	Option	Option
LIT32-DC-IR-570D-x-y	32 cd	Type B/E	10-60 V _{DC}	2,8 W	Yes	Option	Option	Option
LIT50-AC230-570D-x-y	50 cd	-	230 V _{AC}	-	No	Option	Option	Option
LIT50-AC230-IR-570D-x-y	50 cd	-	230 V _{AC}	-	Yes	Option	Option	Option
LIT50-DC-570D-x-y	50 cd	-	10-60 V _{DC}	-	No	Option	Option	Option
LIT50-DC-IR-570D-x-y	50 cd	-	10-60 V _{DC}	-	Yes	Option	Option	Option
LIT70-AC230-570D-x-y	70 cd	-	230 V _{AC}	-	No	Option	Option	Option
LIT70-AC230-IR-570D-x-y	70 cd	-	230 V _{AC}	-	Yes	Option	Option	Option
LIT70-DC-570D-x-y	70 cd	-	10-60 V _{DC}	-	No	Option	Option	Option
LIT70-DC-IR-570D-x-y	70 cd	-	10-60 V _{DC}	-	Yes	Option	Option	Option

x = options y = optional warranty

Also available with 115 V_{AC} (change in code: AC230 -> AC115)

Ordering code examples:

	Light Output	Operating Voltage	IR Option	Tube Length	Tube Diameter	Options (x)	Optional Warranty (y)
LIT	10 cd	- AC115	- = no IR	- 570 mm	D = 30 mm	- = no options	- = normal warranty
	32 cd	AC230	IR = IR			M = RS-485 Modbus	10 = 10-year warranty
	50 cd	DC				C = Control Signal	
	70 cd					P = Photocell	

- LIT 10 - AC230 - IR - 570 D - M -
- LIT 32 - DC - 570 D - MCP - 10
- LIT 50 - AC115 - 570 D

Product Dimensions

