15408 - ICAO Medium-intensity, TYPE B/C 230V "LEDMiriR2-1x"

The *Quantec beacon* includes *an ICAO Medium-intensity Type B and C* LED obstacle light with power supply and bracket.

The beacon completely integrates the control inside a compact housing. Upon the connection of the power supply, each obstacle light system is ready for immediate use.

Key features

- UTC synchronized flashing using GNSS with global coverage
  - GPS, QZSS, GLONASS, Galileo, Beidou
- DIP Switch to set flash rate and test mode
- Astronomical clock
- Integrated brightness sensors
- Integrated logbook records on/off timestamps, events and statistics for more than 20 years.
- Built in over-voltage protection: Class III according to IEC61643-11
- Maintenance free
- Corrosion resistant materials for all surfaces
- UV and ozone resistant optical units and seals
- Connection terminals and cable gland for individual installation

Performance characteristics

- Effective Intensity: 2 000 cd
- Flash rate: adaptable, up to 60 FPM
- Horizontal angle of radiation: 360°
- Vertical beam spread: >3°

Supported light profiles

- ICAO Medium-Intensity Type B and C

X1: Beacon terminal block pinout

Terminal	Signal	Function
1	L	230 V Supply Voltage
2	N	
3	COM	Fail Relay Contact open when errors are present
4	NC	
PE	GN/YE	Earth

Minimal cross section* = 0.25 mm²
Maximum cross section* = 4 mm²

Cable gland	Cable diameter
M16 EMV	5 - 10 mm

Technical specifications

General

Item number	15408
Illuminants	24 red LEDs
Approvals	ICAO Annex 14, 5th edition (pending)
Conformity	CE, RoHS

Electrical characteristics

Rated voltage		230 V AC ± 25%
Rated frequency		50/60 Hz
Rated current (230 V 50 Hz)		150 mA
Relay contact rating	Max. switching voltage	30 VDC
	Rated current	100 mA

Physical characteristics

Dimensions with mounting plate (H×W×D)	124 mm × 280 mm × 280 mm
Weight	Approx. 4.4 kg
IP rating	IP 68
Material	Anodized aluminum, seawater resistant
Mounting	Mounting plate with 4 drill holes

Environmental specification

Operating temperature	-40 °C to +55 °C (-40 °F to 131 °F)
Storage temperature	-55 °C to +70 °C (-67 °F to 158 °F)
Relative humidity	0 to 100 %
Operating altitude	0 to 2500 m (0 to 8202 ft) AMSL

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Braunschweig Commercial Registry HRB 205718
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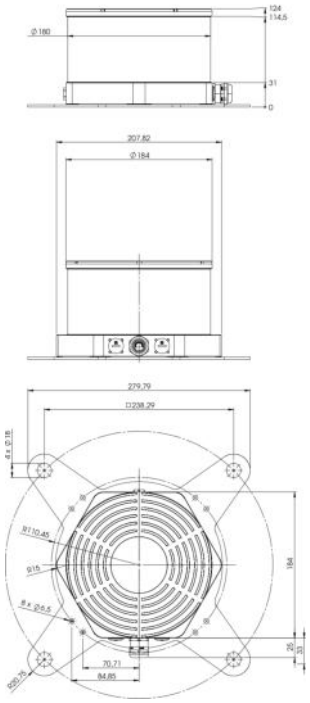
X2: Expansion terminal block pinout

Terminal	Signal	Function
1	+24 V	24 V Output
2	GND	
3	RS485 Port 1 Data-	PC terminal interface or slave communication port
4	RS485 Port 1 Data+	
5	SVInfo	Test-mode
6	NA	
7	NA	
8	NA	
9	RS485 Port 2 Data-	Interface to the visibility sensor, ModBus module or master communication port
10	RS485 Port 2 Data+	

Minimal cross section* = 0.25 mm²
Maximum cross section* = 0.75 mm²

*Conductor cross section flexible, with ferrule with plastic sleeve.

Drawings



Power consumption and peak current (typical)

Operating mode	P_{avg} [W] *	I_{peak} [A] *
Idle	2.50	0.17
ICAO Medium B (20 FPM)	9.07	1.37
ICAO Medium B (40 FPM)	9.07	1.37
ICAO Medium B (60 FPM)	12.22	1.37
ICAO Medium C	26.8	1.37

* Values are subject to change