18485 - Feuer W, rot ES, Trafi low IR, "LED10Main"

The Quantec Beacon "*Feuer W, rot ES, IR low*" completely integrates the control inside a compact tube housing. Upon the connection to a power supply, each obstacle light is ready for immediate use.

Illustration similiar

Key features

- Infrared with additional LEDs on top
- UTC synchronized flashing using GNSS with global coverage
  - GPS, QZSS, GLONASS, Galileo, Beidou
- Day and Night operation mode
- Integrated brightness sensor
- Integrated logbook records on/off timestamps, events and statistics.
- 2 RS485 communication interfaces
- Visibility meter support, Modbus digital I/O support
- Alarm contact
- Built in over-voltage protection: Class III according to DIN EN IEC61400-24
- Maintenance free
- Corrosion resistant materials for all surfaces
- UV and ozone resistant optical units and seals

Performance characteristics

- Effective Intensity:
  - red: 100 cd according to AVV
  - infrared: 45 mW/sr
- Horizontal angle of radiation: 360°

Light profiles

- Feuer W, rot ES + infrared

Operation mode switching

- Night mode via brightness sensor if illuminance < 50lx

Technical specifications

General

Item number	18485
Illuminants	6 red LEDs 6 infrared LEDs 2 infrared LEDs on top
Approvals	Certified according to: • The German "Allgemeine Verwaltungsvorschrift zur Kennzeichnung von Luftfahrthindernissen" (AVV) of 2020
Conformity	CE, RoHs

Electrical characteristics

Rated voltage		24 V DC ± 25%
Rated current		0.4 A
Overvoltage protection		Class III according to DIN EN IEC61400-24
Relay contact rating	Max. switching voltage	30 VDC
	Rated current	100 mA

Physical characteristics

Dimension	Diameter	92 mm
	Height	122 mm
Weight		Approx. 1 kg
IP rating		IP 68
Material		Anodized aluminum, seawater resistant
Mounting		2 x M6 screws

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

Quantec Signals GmbH
Rieselwiese 1
D-38690 Goslar

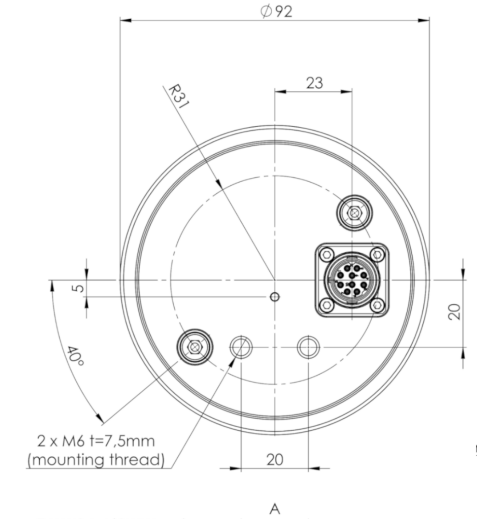
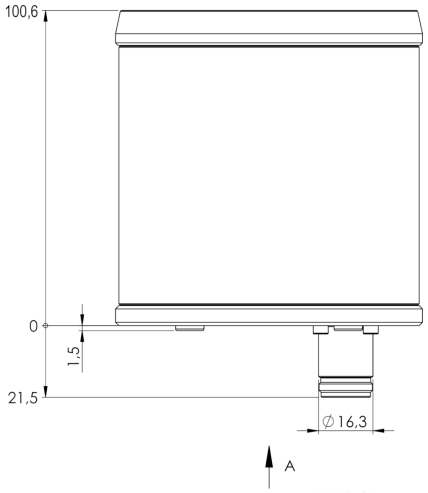
Tel: +49-5324-780966-0
Fax: +49-5324-780966-119
www.quantec-signals.com

Braunschweig Commercial Registry HRB 205718
Director: Lars Hohaus

M16 Connector Pinout

Pin	Signal	Function
1	24 V U+	Supply voltage
2	RS485 Port 1 Data-	PC terminal interface or slave communication port
3	RS485 Port 1 Data+	
4	RS485 Port 2 Data-	Interface to the visibility sensor, Modbus module or master communication port
5	Rs485 Port 2 Data+	
6	K2: Fail	Relay 2 contact open when errors are present
7	K1: Day / Night	Relay 1 contact open when day mode active
8	GND	Ground
9	SVInfo	• Test mode: GND (or open): Inactive, +24 V: Test mode
10	K1/2 Common	Relay 1 and 2 common
Housing	SHLD	Shielding

Power consumption and peak current (typical)

Operating mode	P_{avg} [W]	I_{peak} [A]
Idle	0.9	0.45
Feuer W, rot ES + infrared	5.5	585

Drawings