18454 - ICAO Low-Intensity, Type A 24 V DC Photon Rev. 1b

The "ICAO Low-Intensity, Type A 24 V DC Photon Rev. 1b" completely integrates the control inside a compact housing. Upon the connection to a power supply, each obstacle light is ready for immediate use.

Picture: Quantec Beacon ICAO Low-Intensity, Type A 24V DC

Key features

- LightGood Pin
- Built in over-voltage protection: Class III according to IEC61643-1
- Single M12 connector for easy and fast installation
- Maintenance free
- Corrosion resistant materials for all surfaces
- Highly UV and ozone resistant optical units and seals

Performance characteristics

- Effective Intensity: red, 10 cd
- Horizontal angle of radiation: 360°
- Vertical beam spread: >12°

Supported light profiles

- ICAO Low-Intensity, Type A

Connector pinout

Pin	Signal	Function
1	/on-/off	inverted On-Off signal
2	24 V U+	Supply voltage
3	LightGood	Failure contact
4	GND	Ground
Housing	Shield	Earth grounding

Technical specifications

General

Order number	18454
Illuminants	1 red LED
Approvals	• AVV 2015 Hindernisfeuer ES • ICAO Type A
Conformity	CE, RoHS

Electrical characteristics

Rated voltage		10 to 36 V DC
Overvoltage protection		Class III according to IEC 61643-11
LightGood Pin	Output voltage range	No failure: >0.5 * supply voltage Failure: Ground
	Max. current	6 mA

Physical characteristics

Dimensions	Diameter	22 mm
	Length	121.8 mm
Supported mounting thickness		up to 32 mm
Required drill-hole Diameter		18.5 mm / M18x1 thread hole
Weight		approx. 70g
IP rating		IP 68
Material		stainless steel V2A
Mounting		screwing, vertical

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 % r. H.
Operating altitude	0 to 2500 m (0 to 8202 ft) AMSL

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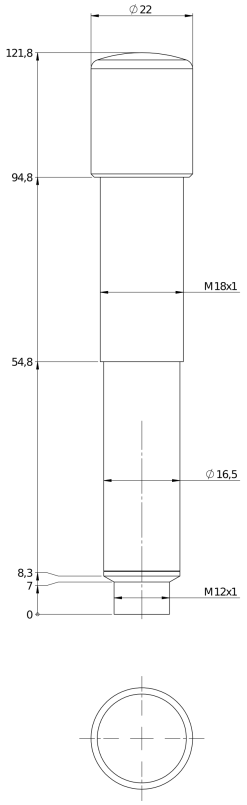
Power consumption and peak current (typical)

Profile/Operating mode	P_{avg} [W]	I_{peak} [A]
Idle	0.3	0.015
Low-Intensity, Type A	1.1	0.055

Drawing



Subject to change without prior notice