BlueSoft STC
Smart Technologies Cluster

Data Sheet
Medium intensity obstruction light type C / B

SMART BEACON
type SB2000/S - /ZS

Electrical parameters:

SMART BEACON type	SMART BEACON voltage type	Voltage [V]			Averange power consumption [W]	ICAO type
		Min.	Typ.	Max.		
SB2000/S SB2000/ZS	24 VAC/VDC 48VAC/VDC	22	24	51	< 25 (+/- 2%) < 30 (+/- 2%)	C
SB2000/S SB2000/ZS	230 VAC/VDC	209	230	256	< 25 (+/- 2%) < 30 (+/- 2%)	C
SB2000/S SB2000/ZS	110 VAC/VDC	96	110	224	< 25 (+/- 2%) < 30 (+/- 2%)	C
SB2000/S	24 VAC/VDC 48VAC/VDC	22	24	51	< 15 (+/- 2%)	B
SB2000/S	230 VAC/VDC	209	230	256	< 15 (+/- 2%)	B
SB2000/S	110 VAC/VDC	96	110	224	< 15 (+/- 2%)	B

Certified product, energy efficiency, very low weight, easy to assemble

Key features:

- **low power consumption in steady mode < 25 W (ICAO type C - SB2000/S)**
- **low power consumption in flashing mode < 15 W (ICAO type B) - driver required**
- **low power consumption in steady mode < 30 W (ICAO type C - SB2000/ZS)**
- **day/night detection system (SB2000/ZS)**
- very low weight of the light not exceeding **2,9kg**
- self-contained unit with a protection class of **IP65**
- enclosure surface protected with antioxidant coatings
- **electromagnetic compatibility certificate (EMC)**
- **lifetime of active optical components in excess of 100,000 hours**
- integrated circuit breaker class **TII at 36kA** to protect against voltage surges as set out in the Europain standard EN 61000-4-5 {Electromagnetic, compatibility, testing and measurement. Immunity Standard - Surge Immunity}
- operating temperature from -55°C to +55°C, storage temperature from -65°C to +75°C
- 36 months warranty with the option of extending to 72 months
- complies with the requirements of standards set by Federal Aviation Administration (**FAA**), International Civil Aviation Organization (**ICAO**), European Aviation Safety Agency (**EASA**)

Made in Poland | **2 000 cd** | **22V - 51 V 96V - 256V** | **VAC VDC** | **< 25 W / <30 W < 15W** | **< 2,9kg** | **CE**

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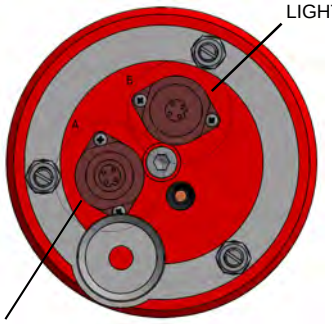
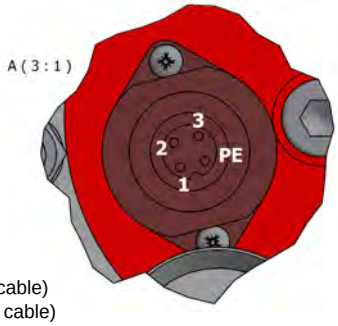
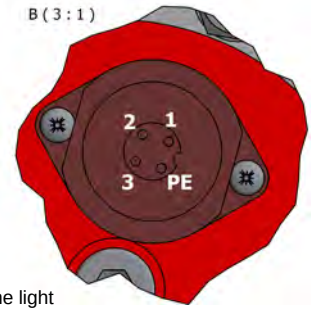
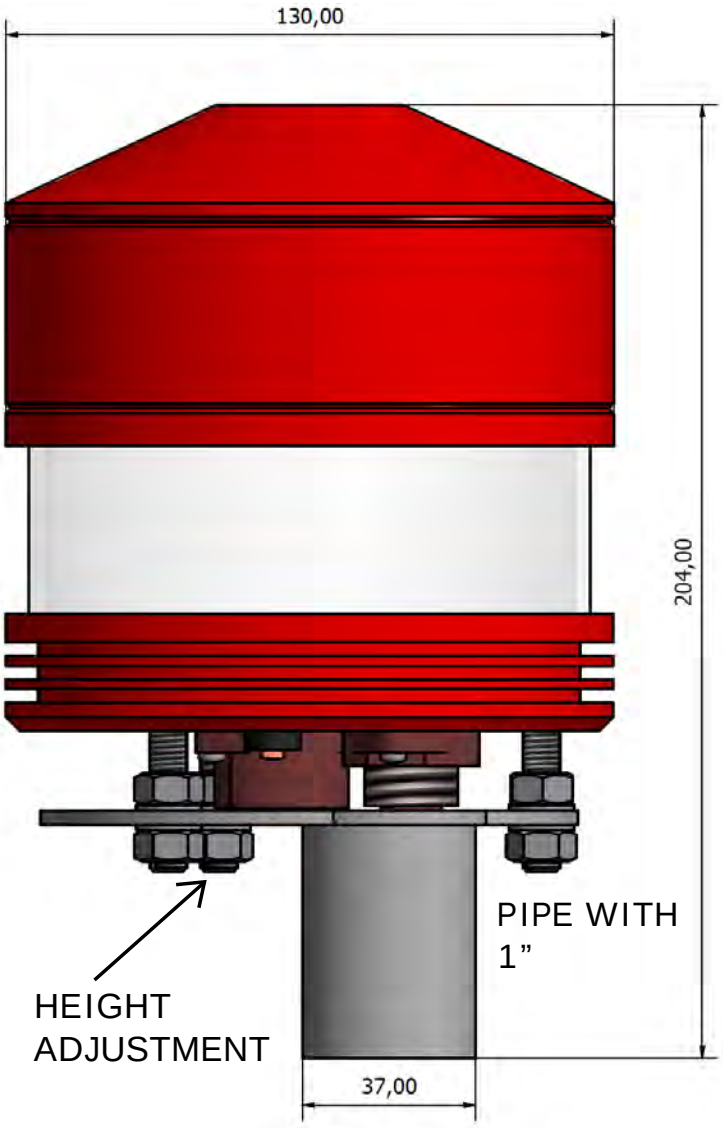




Connector A, pin 1: power supply (positive cable)
Connector A, pin 2: power supply (negative cable)
Connector A, pin 3: external synchronisation signal (positive cable)
Connector A, pin PE: PE (ground) conductor



Connector B, pin 1: signal for dirty shields of the light
Connector B, pin 2: signal for horizontal position of the light
Connector B, pin 3: signal for luminous intensity of optical components
Connector B, pin PE: joint for status signal



Using dedicated pinouts located in a four-pin signal socket (socket B) it is possible to send signals from the light to external systems based on Normal Connect (NC) contacts signalling two states. A normal state is when contacts are closed and any emergency state is signalled by open contacts.

Our engineers have equipped a controller for the light with the systems to control key parameters of crucial importance for proper operation of the aviation obstacle lighting system. These innovative control functions include:

- detection of the light position in space, signalling any change in horizontal position of the light,
- detection of damage to/wear of active components emitting light,
- detection of dirty transparent elements (shields of the light).

Made in Poland	2 000 cd	22V - 51 V 96V - 256V	VAC VDC	< 25 W / < 30 W < 15 W	< 2,9 kg	CE

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