

Medium intensity lamp type B or C (ICAO)

# SMART BEACON

type SB2000/S -/ZS -/KS -/ZKS

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



- ◆ Low power consumption, in flash mode up to **15W** (controller required)
- ◆ Low power consumption, in continuous operation up to **25W** (SB2000/S)
- ◆ Low power consumption, in continuous operation up to **30W** (SB2000/ZS)
- ◆ Very low lamp weight not exceeding **2,9 kg**
- ◆ Day/night detection system, synchronized with twilight sensor (SB2000/ZS)
- ◆ Lamp with indication of lamp status, indication of optical elements failure (SB2000/KS)
- ◆ Lamp with integrated twilight sensor with signalling of lamp status and indication of damage to lamps's optical elements (SB2000/ZKS)
- ◆ Integrated lamp design (light alloys and composites) with a degree of protection of **IP65 or higher**
- ◆ Mechanical shock resistance - at least **IK08**
- ◆ Lifetime of active optical components - over **100 000 hours**
- ◆ Electromagnetic compatibility certificate (EMC) - an external accredited body
- ◆ Certificate of compliance with the requirements for low intensity lamps according to ICAO - an external accredited body
- ◆ Integrated overvoltage protection class TII (class C) at 36kA for protection against impacts specified in **PN-EN 61000-4-5:2009**
- ◆ Operating temperature: From -55°C to +55°C / storage temperature: From -65°C to +75°C
- ◆ Enclosure surface protected with antioxidant layers
- ◆ 36 months warranty with the possibility of extension up to 72 months

Made  
in Poland

2 000 cd

21V -51V  
96V-256V

VAC  
VDC

< 15 W  
< 25 W  
< 30 W

< 2,9 kg

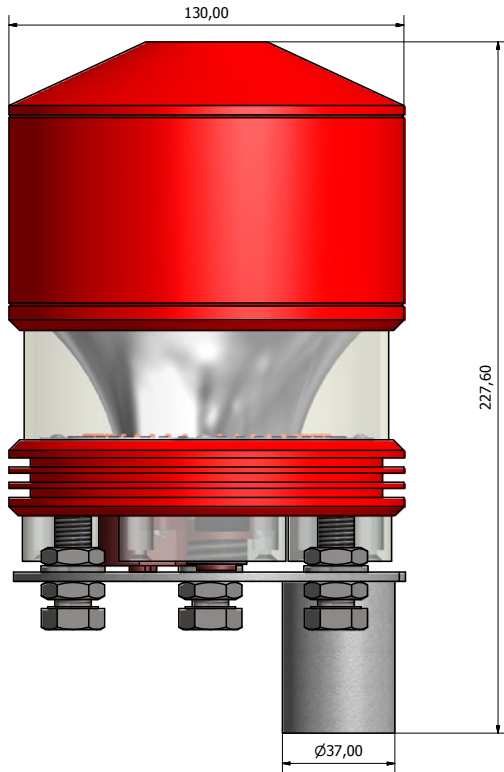


BSSTC.PL Sp. z o.o.  
marketing@bsstc.pl  
+48 73 595 23 12

www.bsstc.pl | www.bsstc.de | www.bsstc.com



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- ◆ Mounting on the object by means of a supporting structure ended with a pipe with a 1" thread
  - on request we design and build dedicated support structures according to customer requirements
  - in our portfolio we have more than 10 dedicated constructions for various objects which can be adapted for lamps of other manufacturers
- ◆ Implement the requirements of regulations issued by the Federal Aviation Administration (FAA), the International Civil Aviation Organization (ICAO), the European Aviation Safety Agency (EASA)
- ◆ By means of dedicated leads, located in a four-way signalling socket (socket B), it is possible to transmit the signal and power from a powered lamp to another lamp with an input connector (socket A). The solution we use allows for chain connections of groups of lamps
- ◆ The correct state is indicated by closed contacts, while the emergency state by open contacts (SB2000/KS, SB2000/ZKS)

Electrical parameters:

Series lamp type <b>SMART BEACON</b>	Supply voltage	Supply voltage VAC/VDC			Average level of power consumption [W]	Type according to ICAO
		Min.	Typ.	Max.[V]		
SB2000/S-24V	24 VAC/VDC	21	24	51	< 25 (+/-2%) < 15 (+/-2%)	C B
SB2000/S-110V	110VAC/VDC	92	230	256	< 25 (+/-2%) < 15 (+/-2%)	C B
SB2000/S-230V	230 VAC/VDC	92	110	256	< 25 (+/-2%) < 15 (+/-2%)	C B
SB2000/ZS-24V	24 VAC/VDC	21	24	51	< 30 (+/-2%)	C
SB2000/ZS-110V	110 VAC/VDC	92	230	256	< 30 (+/-2%)	C
SB2000/ZS-230V	230 VAC/VDC	92	110	256	< 30 (+/-2%)	C

2000 cd, type C (steady operation), type B (flash operation - controller required)  
SB2000/S - switching on by means of a controller  
SB2000/ZS - integrated twilight sensor

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