

Medium intensity lamp type A (ICAO)  
Medium intensity lamp type A and type B or C (ICAO)

# SMART BEACON

type SB2000/W -/SW -/GW -/GSW

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



- ◆ Integrated overvoltage protection type TI+TII (class B+C) of 40kA protecting against impacts specified in the Polish standard **PN-EN 61000-4-5:2009**
- ◆ Operating temperature from -30°C to +55°C / storage temperature from -50°C to +75°C
- ◆ 36 months warranty with the possibility of extension up to 72 months

- ◆ Daylight, **360°** omnidirectional, flash mode, type A (SB2000/W, SB2000/GW)
- ◆ Daylight (flash mode, type A) and night light (flash mode type B or steady mode type C), omnidirectional **360°**, (SB2000/SW, SB2000/GSW)
- ◆ Low power consumption for daytime operation, up to **110 W** - type A, flash mode for 20 fpm (SB2000/W, SB2000/GW)
- ◆ Low power consumption for night operation, up to **25 W** - type B, flash mode for 20 fpm (SB2000/SW, SB2000/GSW)
- ◆ Low power consumption for night operation, up to **35 W** - type C, steady mode (SB2000/SW, SB2000/GSW)
- ◆ Light intensity **20 000 cd**, colour temperature 5700K, light colour white
- ◆ Light intensity **2 000 cd**, types B and C, light length 620 nm, light colour red
- ◆ Low lamp weight **< 2.5 kg** (SB2000/W, SB2000/GW) or **< 3.5 kg** (SB2000/SW, SB2000/GSW)
- ◆ Low lamp driver weight **< 8 kg**
- ◆ GPS/GLONASS control system, facilitating cooperation of a group of lamps working in wind turbine farms or other objects requiring synchronous operation (Equipped with SB2000/GW lamp driver).
- ◆ Day/night detection system, synchronized with dusk switch or astronomical clock (controller equipment).
- ◆ Integrated lamp design (light alloys and composites) with a degree of protection of **IP65 or higher**
- ◆ Mechanical shock resistance - **at least IK08**
- ◆ Lamp housing surface protected by layers of antioxidants
- ◆ Certificate of electromagnetic compatibility of the lamp power supply (EMC)
- ◆ Lifetime of active optics greater than **100 000 hours**

Made  
in Poland

2 000 cd  
20 000 cd

46V -55V  
92V-256V

VAC  
VDC

< 110 W (type A)  
< 25 W (type B)  
< 35 W (type C)

< 3,5 kg  
< 8 kg

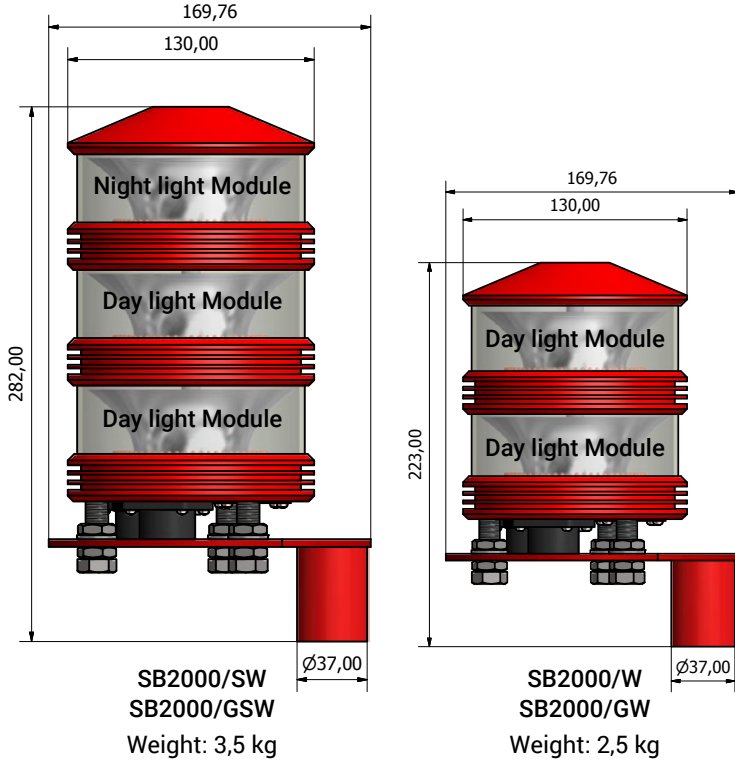


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- ◆ Implement the requirements of regulations issued by the Federal Aviation Administration (**FAA**), the International Civil Aviation Organization (**ICAO**), the European Aviation Safety Agency (**EASA**)
- ◆ **Optional:** We produce obstacle lighting lamps combining the functions of both types (night obstacle marking and day obstacle marking) in one lamp.
  - **SB2000/LW** - low intensity (night) according to ICAO type B/A and medium intensity (day) according to ICAO type A
  - **SB2000/SW** - medium intensity (day and night) according to ICAO type C/A or B/A

**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.		
SB2000/W-48V SB2000/GW-48V	48 VAC/VDC	46	48	55	< 110 W (+/-2%) for 20 fpm < 290 W (+/-2%) for 60 fpm	A
SB2000/W-230V SB2000/GW-230V	230 VAC/VDC	92	230	256	< 110 W (+/-2%) for 20 fpm < 290 W (+/-2%) for 60 fpm	A
SB2000/SW-48V SB2000/GSW-48V	48 VAC/VDC	46	48	55	< 110 W (+/-2%) for 20 fpm < 290 W (+/-2%) for 60 fpm	A
					< 25 W (+/-2%) for 20 fpm	B
					< 35 W	C
SB2000/SW-230V SB2000/GSW-230V	230 VAC/VDC	92	230	256	< 110 W (+/-2%) for 20 fpm < 290 W (+/-2%) for 60 fpm	A
					< 25 W (+/-2%) for 20 fpm	B
					< 35 W	C

20 000 cd, type A (flash operation)  
 SB2000/GW - multi-lamp flash synchronization (GPS/GLONASS)  
 SB2000/W - no flash synchronization of multiple lamps  
 Optional: SB2000/SW, SB2000/GSW - medium intensity lamp module working at night  
 Optional: 2 000cd, type C/B (steady/flash operation)  
 fpm – flashes per minute

Made in Poland

2 000 cd  
20 000 cd

46V -55V  
92V-256V

VAC  
VDC

< 110 W (type A)  
< 25 W (type B)  
< 35 W (type C)

< 3,5 kg  
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