

# SO

## Low Intensity Obstruction Light

### Compliances:

- ICAO: Annex 14 - Volume II
- FAA: L-810 AC150/5345-43 (Current Edition)
- NATO: STANAG 3346

### Manual:

- Instruction Manual **UT-MT-0152**



### Applications:

- The SO fixtures are of the **low intensity, omnidirectional, elevated, steady-burning type, with single or double light** and are used for air navigation obstruction marking.
- These fixture are designed to be **powered in parallel by either alternate or direct voltage of the values of 24 V, 48 V or 230 V.**
- The field positioning shall be in compliance with the requirements of ICAO - Annex 14, STANAG o FAA..

### Characteristics:

- Cast aluminium body, complete with lampholder fastened to an adjustable support.
- Symmetric Fresnel red lens, made of heat resistant glass with threaded bottom which is screwed on the body with neoprene gasket. The lens is provided with a metallic ring for easy lamp replacement.
- The mounting assembly (for SO2 only) consists of an intermediate watertight aluminium box complete with suitable pipe fittings. If required, the transfer relay is mounted inside the box.
- A suitable grounding screw is provided.

### Luminous Sources:

- 60 W or 100 W lamp, E27 base, 230 V, 8000 hour rated life;
- 60 W lamp, B22/d base, 230 V, 1000 hour rated life;
- 60 W lamp, E27 base, 25 V or 50 V, 1000 hour rated life;
- 40 W lamp, E27 base, 24 V, 1000 hour rated life;
- Quick relamping with no use of special tools

### Auxiliary Equipment:

- A system made of one or more lights can be powered by a single watertight control box complete with transfer relays and signal lamps.
- An obstruction marker system can be equipped with automatic photoelectric control.

### Installation:

- On a 1" pole dia. as standard. Baseplate or special flange for wall mounting can be supplied on request.

### How To Order:

**SO - 1 - 310 - XX - B**

**Basic Part Number:** \_\_\_\_\_

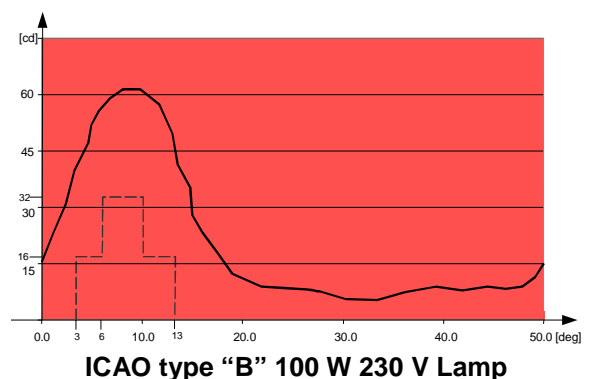
**Fixture Type:** \_\_\_\_\_  
1 = Single  
2 = Double

**Lamp Type:** \_\_\_\_\_  
310 = 100 W 220-240 V E27 Base (long life type)  
311 = 60 W 220-240 V E27 Base (long life type)  
304 = 60 W 220-230 V B22/d Base  
302 = 40 W 24 V E27 Base  
711 = 60 W 50 V E27 Base  
710 = 60 W 25 V E27 Base  
027 = No E27 Lamp  
022 = No B22/d Lamp

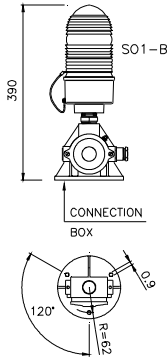
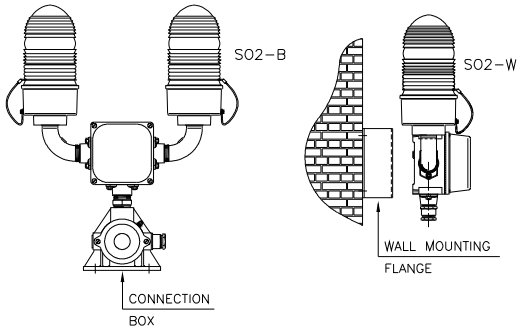
**Transfer Relay:** \_\_\_\_\_  
XX = For SO1 only  
\*R0 = No Transfer Relay  
\*R1 = 220 VAC Transfer Relay, 60-100 W Lamp Rating  
\*R2 = 24 VDC Transfer Relay, 40 W Lamp Rating  
\*R3 = 24 VAC Transfer Relay, 40 W Lamp Rating  
\*R4 = 48-50 VAC Transfer Relay, 60 W Lamp Rating  
\*R6 = 24 VAC Transfer Relay, 60 W Lamp Rating

**Options:** \_\_\_\_\_  
B = Connection Box  
C = Connection Box with 1" Standard Pipe  
\* P = Suitable for Pavement Installation  
\* W = Wall Mounting Flange

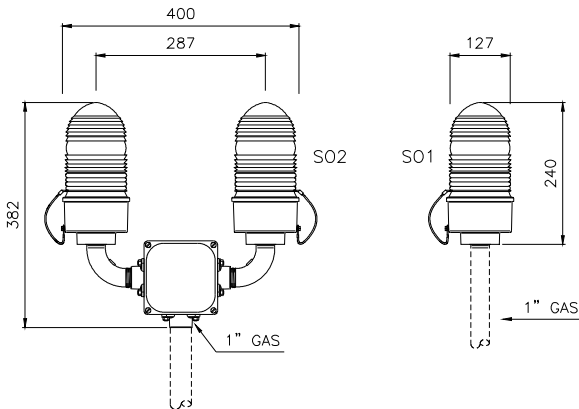
\* Only for Double Fixture Type.



**Installation:**



**Overall Dimensions:**



**Accessories:**

[P/N]	Description
010.2616	Control box for 1 double obstruction light, 220 VAC power supply
010.2642	Control box for 2 double obstruction lights, 220 VAC power supply
010.2645	Control box for 3 double obstruction lights, 220 VAC power supply
010.2648	Control box for 4 double obstruction lights, 220 VAC power supply
010.2651	Control box for 5 double obstruction lights, 220 VAC power supply
010.2653	Control box for 6 double obstruction lights, 220 VAC power supply
010.2655	Control box for 7 double obstruction lights, 220 VAC power supply

[P/N]	Description
010.2657	Control box for 8 double obstruction lights, 220 VAC power supply
010.2659	Control box for 9 double obstruction lights, 220 VAC power supply
010.2640	Control box for 10 double obstruction lights, 220 VAC power supply
480.8005	24 VAC/24 VDC photoelectric switch
480.8002	48-60 VDC photoelectric switch
480.8003	110 VDC photoelectric switch
480.8006	220 VAC photoelectric switch
480.8007	220 VDC photoelectric switch

**Renewal Parts:**

[P/N]	Description
166.4070	E27 lampholder with support
780.0101	B22/d lampholder
479.0137	Transfer relay for lamps powered at 220 VAC
481.0127	Base for transfer relay P/N 479.0137
479.0150	Transfer relay for lamps 60 W, powered at 48-50 VAC
479.0153	Transfer relay for lamps 40 W, powered at 24 VDC
481.0129	Base for transfer relay P/N 479.0150 e 479.0153
760.1520	100 W lamp, 220-240 V, E27 base (long life type)
760.1345	60 W lamp, 220-240 V, E27 base (long life type)
760.0770	60 W lamp, 220-240 V, B22/d base
760.1370	60 W lamp, 50 V, E27 base
760.1360	60 W lamp, 25 V, E27 base
760.1250	40 W lamp, 24 V, E27 base
166.4035	Red lens complete with safety rope and hardware
758.2009	Gasket for lens

**Shipping Weights and Volumes:**

	SO1	SO1 with Connection Box	SO2	SO2 with Connection Box
Weight	1,7 kg	2,2 kg	6,7 kg	7,2 kg
Volume	0,012 m <sup>3</sup>	0,016 m <sup>3</sup>	0,046 m <sup>3</sup>	0,046 m <sup>3</sup>



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