



# BS100 LED Adjustable / non-SELV

## Waterproof ceiling luminaire

High performance luminaire with high flux and no-glare screen. Ready for emergency mode when equipped with related power-pack. The luminaire is designed as versatile solution equipped with a 4-position switch driver allowing to change light output into 4 different values. Luminaire body is composed of self-extinguishing polycarbonate UV stabilized and screen is designed to spread light in the no-glare best way. Luminaire is suitable for outdoor installations (when protected from direct impact of weather conditions, namely sun, rain, wind, snow or hailstorm) and for industrial environments thanks to a special gasket and closing hooks.

### GENERAL CHARACTERISTICS

**Power supply** 230Vac ±10% 50Hz

**Standard** EN 60598-1, EN 60598-2-,  
EN 60598-2-22  
(fundamental requirements),  
EN 62471 (Photobiological hazard)

**Protection grade** IP65, IK05

**Working temp.** -20 ÷ +40°C

**Mounting** ceiling, suspension, busbar trunking

**Housing** Polycarbonate, RAL 7035 light grey

**Optic** white reflective powder coated steel

**Diffuser** Micro-structured finished  
high transmission polycarbonate

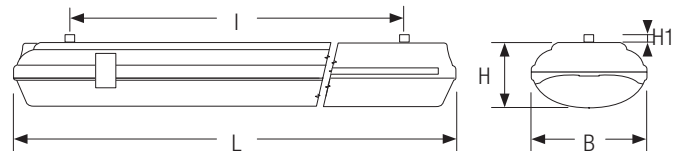
**Driver** Electronic (cos  $\varphi \geq 0,98$ )  
current driven in 4 different steps

**MTBF Control gear\*\*** 65.000h

**Luminous flux maintenance\*\***  
>60.000h (L80B20)

**Colour deviation** 3 SDCM

\*\* At environmental reference temperature of 25°C



Measure	• Dimensions (mm) •					Weight max kg
	L	B	H	H1	I	
S	671	170	95	10	475	1,4
M	1280	170	95	10	660	2,3
L	1581	170	95	10	900	2,7

## Accessories

supplied

Order Code	Description
-	CABLE GLAND M20

## Accessories

to be ordered separately

Order Code	Description
<b>3905</b>	PROTECTIVE GRID S670
<b>8066</b>	PROTECTIVE GRID M1280
<b>8067</b>	PROTECTIVE GRID L1560

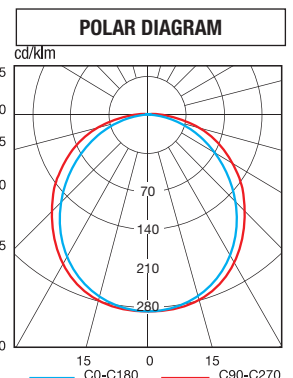
**SPECIAL VERSIONS: versions with color temperatures at 3000K and 6000K.**  
Contact Beghelli sales for more informations.

### EMERGENCY WITH INVERTER LED

TR AT LG LGFM

	<b>19358</b> INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V	to be ordered separately
	<b>19359</b> INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	to be ordered separately
	<b>19355L</b> INV LED AT/LG AR 9W 55V 123h	to be ordered separately

INVERTER



## Energy saving optimization by help of 4 different flux values in 4 different steps

Luminaire set at max. flux (step 4) at manufacturing



Lighting installations should take care for both proper illumination as well as energy savings. BS100 LED Adjustable provides both the two qualities thanks to its 4-steps driver (current driven) so that to perform the highest light efficiency and energy saved.

**To assess step fluxes, check the table of codes.**

### BS100 LED Adjustable S 670

Order code	Description	Colour temperature K	Colour rendering	Power consumption Max W	Luminous efficiency lm/W	Packaging sing/multi	Fixture Flux max lm
40003	BS100 LED ADJUSTABLE S670 4K	4000	>80	41	134	1	5500
				<b>STEP 1</b> 3500lm 25W	<b>STEP 2</b> 4500lm 32W	<b>STEP 3</b> 5000lm 36W	<b>STEP 4</b> 5500lm 41W

### BS100 LED Adjustable M 1280

Order code	Description	Colour temperature K	Colour rendering	Power consumption Max W	Luminous efficiency lm/W	Packaging sing/multi	Fixture Flux max lm
40004	BS100 LED ADJUSTABLE M1280 4K	4000	>80	53	132	1	7000
				<b>STEP 1</b> 5500lm 39W	<b>STEP 2</b> 6000lm 44W	<b>STEP 3</b> 6500lm 47W	<b>STEP 4</b> 7000lm 53W

### BS100 LED Adjustable L 1580

Order code	Description	Colour temperature K	Colour rendering	Power consumption Max W	Luminous efficiency lm/W	Packaging sing/multi	Fixture Flux max lm
40005	BS100 LED ADJUSTABLE L1580 4K	4000	>80	59	136	1	8000
				<b>STEP 1</b> 6500lm 45W	<b>STEP 2</b> 7000lm 50W	<b>STEP 3</b> 7500lm 53W	<b>STEP 4</b> 8000lm 59W

## BS100 LED Regolabile non-SELV S 670

Order code	Description	Colour temperature K	Colour rendering	Power consumption Max W	Luminous efficiency lm/W	Packaging sing/multi	Fixture Flux max lm
40003	BS100 LED REGOLABILE S670 4K	4000	>80	34	162	1	5500
				<b>STEP 1</b> 3200lm 19W	<b>STEP 2</b> 4000lm 24W	<b>STEP 3</b> 4700lm 29W	<b>STEP 4</b> 5500lm 34W

## BS100 LED Regolabile non-SELV M 1280

Order code	Description	Colour temperature K	Colour rendering	Power consumption Max W	Luminous efficiency lm/W	Packaging sing/multi	Fixture Flux max lm
40004	BS100 LED REGOLABILE M1280 4K	4000	>80	51	157	1	8000
				<b>STEP 1</b> 5000lm 28W	<b>STEP 2</b> 6000lm 35W	<b>STEP 3</b> 7000lm 43W	<b>STEP 4</b> 8000lm 51W

## BS100 LED Regolabile non-SELV L 1580

Order code	Description	Colour temperature K	Colour rendering	Power consumption Max W	Luminous efficiency lm/W	Packaging sing/multi	Fixture Flux max lm
40005	BS100 LED REGOLABILE L1580 4K	4000	>80	63	159	1	10000
				<b>STEP 1</b> 6000lm 35W	<b>STEP 2</b> 7500lm 44W	<b>STEP 3</b> 8500lm 53W	<b>STEP 4</b> 10000lm 63W

EMERGENCY WITH LED INVERTER version Regolabile non-SELV <span style="border: 1px solid black; padding: 2px;">TR</span>							
<b>INVERTER</b>	<table border="1"> <tr> <td>19367</td> <td>INV PLUG&amp;LIGHT LED SE/SA 1H 60-180V</td> <td style="color: red;">to be ordered separ.</td> </tr> <tr> <td>19371</td> <td>INV PLUG&amp;LIGHT LED SE/SA 3H 60-180V</td> <td style="color: red;">to be ordered separ.</td> </tr> </table>	19367	INV PLUG&LIGHT LED SE/SA 1H 60-180V	to be ordered separ.	19371	INV PLUG&LIGHT LED SE/SA 3H 60-180V	to be ordered separ.
19367	INV PLUG&LIGHT LED SE/SA 1H 60-180V	to be ordered separ.					
19371	INV PLUG&LIGHT LED SE/SA 3H 60-180V	to be ordered separ.					