



GENERAL CHARACTERISTICS

Equivalent Power* 1x18, 2x18, 1x36, 2x36, 1x58, 2x58, 2x80 W

Power supply **SD version:** Universal Multi Voltage
93÷265Vac 50÷60Hz
176÷250Vdc
ED version: 230Vac ±10% 50Hz

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

Protection grade IP65

Working temp. -20 ÷ +40°C / 50°C SD ver (!)

Mounting ceiling, suspension, busbar trunking

Housing Polycarbonate, RAL 7035 light grey

Optic white reflective powder coated steel

Louvre Micro-structured finished
high transmission polycarbonate

Driver **SD version:**
SELV electronic SD (Cos $\varphi \geq 0,96$)
with intelligent dimming
ED version:
SELV electronic ED (Cos $\varphi \geq 0,95$)

MTBF Control gear** 80.000h

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

Colour deviation 3 SDCM

* Equivalent power for comparison with fluorescent tube device

** At environmental reference temperature of 25°C

(!) At highest working temperature thermal protection may reduce the output power

BS100 LED

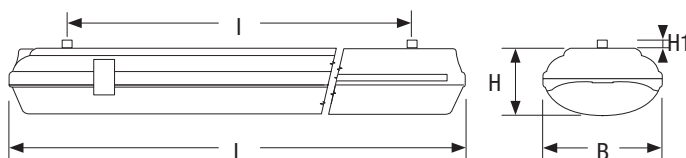
Ceiling light

Autodimmer

Professional fixture with high luminous flux and anti-glare system. It's able to work in emergency mode if equipped with Plug&Light LED Inverter or addressable logica LED inverter.

Smart Driver System for the highest level of flexibility of use due to the various additional modules. The Autodimmer Sensor is supplied as standard in the base product. The self-extinguishing polycarbonate screen is stabilized to UV rays. The screen has a micro-structured anti-glare surface particularly designed to spread the LED light in the best way.

The device is strong and long-lasting with an age-resistant expanded polyurethane seal and concealed closure hooks made from polyester based technopolymer.



Power* W	• Dimensions (mm) •					Weight max kg
	L	B	H	H1	I	
1x18, 2x18	671	170	95	10	475	1.4
1x36, 2x36	1280	170	95	10	660	2.3
1x58, 2x58	1581	170	95	10	900	2.0
2x80	1581	170	95	10	900	2.7

Efficiency and dimming

The increase in luminous efficacy (lm/W) and the useful life of the device may vary significantly according to the degree to which it is dimmed. Assuming an average level of 50% of the luminous flux, the following results are obtained with the BS100 SD LED:

Dimming SD 50%
Device duration +40%
Luminous efficiency +15%

Accessories **SD**

supplied

Order code Description

15039 OPTICOM PHOTOSENSOR

Accessories

to be ordered separately

Order code Description

3905 PROTECTIVE GRID 18W
8066 PROTECTIVE GRID 36W
8067 PROTECTIVE GRID 58W/80W
3504 BRACKET WALL INSTALLATIONS
3505 HOOK STAINLESS STEEL INOX 18W
3506 HOOK STAINLESS STEEL INOX 36W
3507 HOOK STAINLESS STEEL INOX 58W/80W
8010 KIT WIRING THROUGH 58W/80W
8012 KIT WIRING THROUGH 36W

Building automation **SD**

to be ordered separately

Order code Description

20102 BUILDING AUTOMATION CENTRAL UNIT
20124 BUILDING AUTOMATION CENTRAL UNIT+WIFI
20104 2 INPUT INTERFACE - RADIO TRANSMITTER
15022 BUILDING AUTOMATION RADIO MODULE
15024 DALI MODULE
15034 1-10V MODULE

DOMOTIC RADIO MODULE

1÷10V MODULE

DALI MODULE

PLUG&LIGHT MODULE

OPTIONAL MODULES TO EXTEND BEGHELLI SD TOWIFI CONTROL OR DALI / 1-10V SYSTEMS AND EMERGENCY



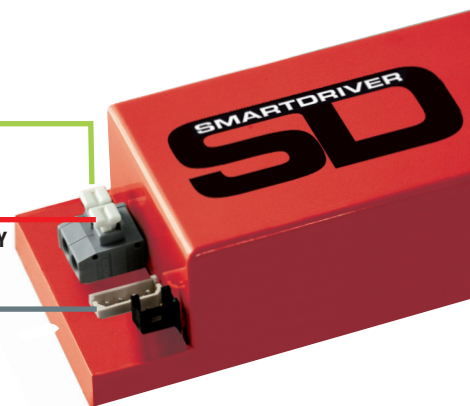
INTELLIGENT PHOTOSENSOR

1. **Autodimmer Natural Light**

2. **Autodimmer Dynamic Light**

3. **opticom TECHNOLOGY**

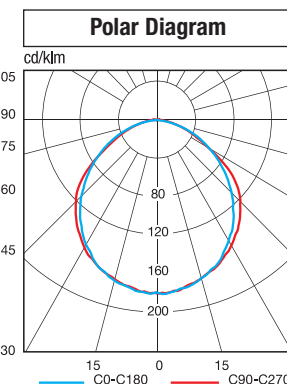
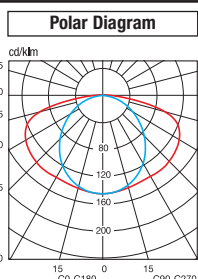
Smartphone Interface to control and set up system



SPECIAL PARKING VERSION



236PSD BS100 LED PARKING 2x36 W



INVERTER	EMERGENCY WITH LED INVERTER		TR	AT	LG	LGFM
		19358	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V	to be ordered separately		
	19359	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	to be ordered separately			
	19364	INV LED IP65 AT/LG 123H (addressable)	to be ordered separately			
	19365	INV LED IP65 AT/LG 123H (addressable)	to be ordered separately			
	RA02***	AUTORIPARA INVERTER BATTERY 7.2V 1.7Ah	to be ordered separately			

***Contact the Beghelli sales network for availability

SPECIAL VARIANTS: COLOUR TEMPERATURE ON REQUEST, COLOUR RENDERING ≥90, FOOD APPLICATIONS VERSION
Contact the Beghelli sales network

BS100 LED PARKING

SmartDriver

Power* W	Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption Max W	N° LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	Luminous efficiency lm/W	Energy Class	Packaging Class
2x36	236PSD	BS100 LED PARKING 2X36 SD 4000K	48	4000	>80	52	144	7750	5500	106	A++	1

BS100 LED

SmartDriver

Power* W	Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption Max W	N° LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	Luminous efficiency lm/W	Energy Class	Packaging Class
1x18	118SD	BS100 LED 1X18 SD 4000K	9	4000	>80	11	72	1900	1525	133	A++	1
2x18	218SD	BS100 LED 2X18 SD 4000K	19	4000	>80	22	72	3300	2750	127	A++	1
1x36	136SD	BS100 LED 1X36 SD 4000K	21	4000	>80	23	144	4000	3000	133	A++	1
2x36	236SD	BS100 LED 2X36 SD 4000K	42	4000	>80	46	144	7000	5500	121	A++	1
1x58	158SD	BS100 LED 1X58 SD 4000K	29	4000	>80	32	180	5000	4100	129	A++	1
2x58	258SD	BS100 LED 2X58 SD 4000K	59	4000	>80	64 (56***)	180	9250	7500	117	A++	1
2x80	280SD	BS100 LED 2X80 SD 4000K	68	4000	>80	74 (56***)	180	11000	8500	116	A++	1

BS100 LED

EcoDriver

Power* W	Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption Max W	N° LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	Luminous efficiency lm/W	Energy Class	Packaging Class
2x18	218ED	BS100 LED 2X18 ED 4000K	18	4000	>80	20	72	2900	2600	132	A++	1
2x36	236ED	BS100 LED 2X36 ED 4000K	36	4000	>80	40	144	5800	5200	132	A++	1
2x58	258ED	BS100 LED 2X58 ED 4000K	47	4000	>80	51	192	7700	6800	132	A++	1

*** The power consumption has an auto derating to the power indicated in parenthesis if the product is powered by voltage less than 110 Vac.

INDUSTRIAL LIGHTING