

# LED Panel SD UGR<19

Ceiling, suspension, M600

Innovative and highly versatile LED source device. The highly minimal thickness, and the reduced weight permit suspension installation even in prestigious architectural spaces.

The extremely high efficiency of the LEDs and the opal micro prismatic diffuser screen allow the use of this revolutionary device in all spaces that are occupied for long periods of time and demand excellent visual comfort such as schools, hotels and shopping centers. Installation is easy with the exclusive rapid fixing system.

Also available is an emergency kit that includes an inverter and battery for activation in case of blackouts both in the AT and LG intelligent versions and with the latest Plug&Light immediate-connection inverter.

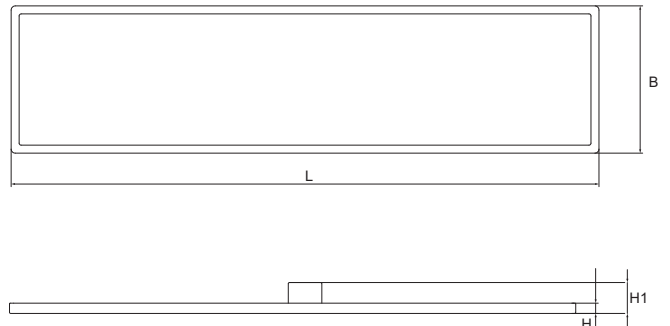


## GENERAL CHARACTERISTICS

- Equivalent Power\*** 2x 36 W
- Power supply** 93–265 V<sub>AC</sub> 50–60 Hz  
176–250 V<sub>DC</sub>
- Standard** EN 60598-1, EN 60598-2-22,  
(fundamental requirements)  
EN 62471 (Photobiological hazard)
- Protection grade** IP20 (visible side), IP40 (recessed side)
- Working temp.** -20 °C ÷ +40 °C
- Mounting** recessed M600, ceiling, suspension
- Frame** Aluminum, white color
- PMMA** diffuser stabilized to UV rays  
self-extinguishing, micro prismatic,  
**anti-glare**
- UGR** <19
- Luminance** 65° < 3 000 cd/mq
- Colour Temperature** 4000 K
- Driver** Electronic SD (cos φ ≥ 0.96)  
Electronic intelligent dimming system
- MTBF Control gear\*\*** 80 000 h
- Luminous flux maintenance\*\*** >60 000 (L80B20)
- Colour deviation** 3 SDCM

\* Equivalent power for comparison with fluorescent tube fixtures

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



Power W*	• Dimensions (mm) •				Weight kg
	L	B	H	H1	
2x 36	1 196	296	9	41	4.9

**SPECIAL VARIANTS: COLOUR TEMPERATURE ON REQUEST, IP65 VERSION**  
Contact the Beghelli sales network

## Accessories

supplied

Order code	Description
15039	OPTICOM PHOTOSENSOR

## Accessories

to be ordered separately

Order code	Description
20094	SUSPENSION KIT
20100	CEILING ADAPTER

## Building automation

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 TO RADIO 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**

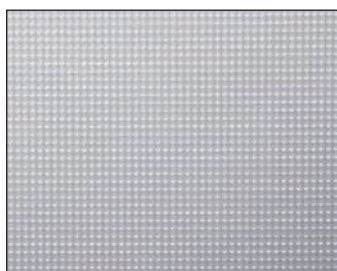


**SUSPENDED MOUNTING**

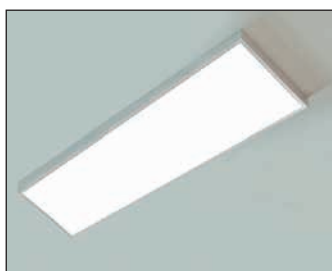


**20094 SUSPENSION KIT**

**PRISMATIC GLASS DIFFUSER**



**CEILING MOUNTING**



**20100 CEILING ADAPTER**

**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 LED Panel SD:

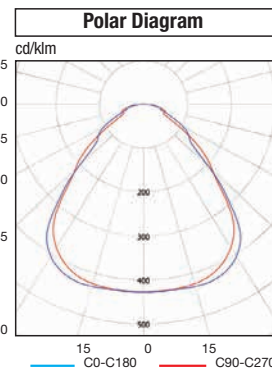
- Dimming SD 50 %**
- Device duration +40 %**
- Luminous efficiency +10 %**

**EMERGENCY WITH LED INVERTER**

**TR AT LG LGFM**

<b>INVERTER</b>	<b>19358</b>	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V	<i>to be ordered separately</i>
	<b>19359</b>	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	<i>to be ordered separately</i>
	<b>19355*</b>	INVERTER LED AT/LG 6W 55V 123h	<i>to be ordered separately</i>
	<b>19372*</b>	INVERTER LED AT/LG 8W 55V 123h	<i>to be ordered separately</i>
	<b>19390*</b>	INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8h LTO	<i>to be ordered separately</i>
	<b>19391*</b>	INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8h LiFe	<i>to be ordered separately</i>

\* IP65 cover (order code 19376) is needed for the installation LGFM Module 19375



**LED Panel – UGR <19**

SmartDriver **SD**

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	lm/W	Energy Class	Packaging
2x 36	<b>236PLSD</b>	LED PANEL 236 300x1200 UGR19 SD 4K	32	4 000	>80	36	270	5 500	4 000	111	A++	1