Lens Panel LED

Ceiling, Suspension, M600

This product is designed for flush-mounting installation in M600 modules, but its true elegance emerges in ceiling-mounting and suspended installations without an adapter frame. The profile is one of the slimmest on the market (8 mm). In the Eco Driver version, the power supply unit is embedded in the lamp profile. Slimmer than a LED panel, but offering a far higher EFFICIENCY level (>125 lm/W). Optic created with the multi-lenticular system with high transmittance, to reduce the glare effect (UGR <19) whilst maintaining the same lighting efficiency.

Opticom TECHNOLOGY | SMARTDRIVER **SD** | ECODRIVER **ED** | UGR <19 | 4400 lumen

IP20 / IP40 | IK05 | 650°C | CE

GENERAL CHARACTERISTICS

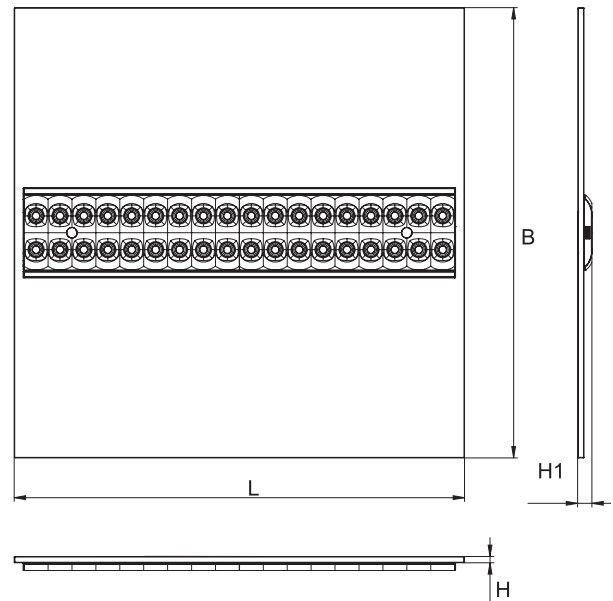|	
Equivalent Power*	4× 18 W
Power supply	**SD Version:** 93–265 V_{AC} 50/60 Hz 176–250 V_{DC} **ED Version:** 230 V_{AC} ±10 % 50 Hz
Standard	EN 60598-1, EN 60598-2-1, EN 60598-2-22 (fundamental requirements), EN 62471 (Photobiological hazard)
Protection grade	IP40 (visible side), IP20 (recessed side)
Working temp.	-20 °C ÷ +40 °C
Mounting	recessed M600, ceiling, suspension
Body	galvanised Sheet steel painted with polyester powders RAL 9003
Optic	transparent plexiglass
UGR	<19
Luminance	65°<3 000 cd/mq
Driver	**SD Version:** Electronic SD (cos $\varphi \geq 0.96$) with intelligent dimming **ED Version:** Electronic ED (cos $\varphi \geq 0.95$)
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

Polar Diagram

cd/klm

C0-C180   C90-C270

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 Lens Panel LED:

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

Version	• Dimensions (mm) •					Weight kg
	L	B	H	H1 (ED)	H2 (SD)	
600×600	595	595	8	19	51	3.5

Accessories SD — supplied

Order code	Description
15039	OPTICOM PHOTOSENSOR

Accessories — to be ordered separately

Order code	Description
70033	SUSPENSION KIT
20097	CEILING FRAME LED PANEL 600X600 (essential for SD versions or when paired with the Plug&Light inverter)

Building automation SD — to be ordered separately

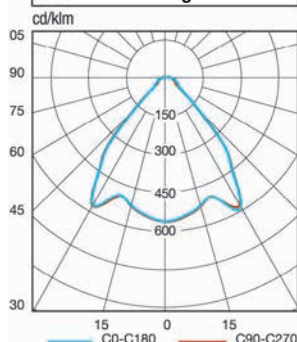| Order code	Description
20102	BUILDING AUTOMATION CENTRAL UNIT
20124	BUILDING AUTOMATION CENTRAL UNIT WIFI
20104	2 INPUT INTERFACE – RADIO TRANSMITTER
15022	BUILDING AUTOMATION RADIO MODULE
15024	DALI MODULE
15034	1-10V MODULE

| DOMOTIC RADIO MODULE | 1÷10V MODULE | DALI MODULE | PLUG&LIGHT MODULE |

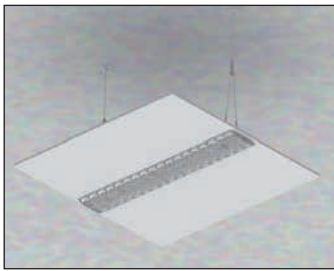**OPTIONAL MODULES TO EXTEND BEGHELLI SD TO RADIO CONTROL OR DALI / 1-10V SYSTEMS AND EMERGENCY**

INTELLIGENT PHOTOSENSOR
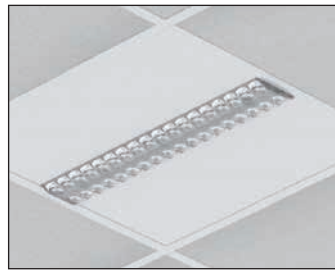
1. Autodimmer Natural Light

2. Autodimmer Dynamic Light

3. opticom TECHNOLOGY

Smartphone Interface to control and set up system
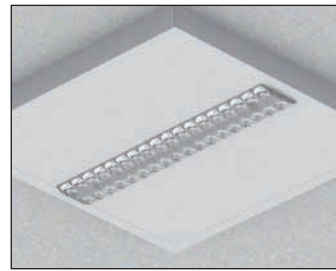
SUSPENDED MOUNTING

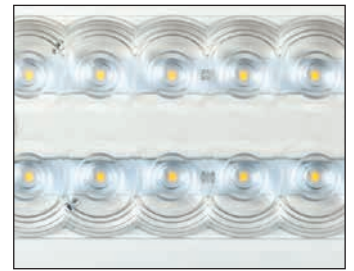**70033** Suspension Kit

RECESSED MOUNTING

CEILING MOUNTING

20097 Ceiling Frame LED Panel 600x600 SD model only

MULTI-LENTICULAR OPTIC

SPECIAL VARIANTS: COLOUR RENDERING ≥90, COLOUR TEMPERATURE
Contact the Beghelli sales network

EMERGENCY WITH LED INVERTER

| TR | AT | LG | LGFM |

INVERTER			
19377	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V IP65	to be ordered separately	
19368	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V IP65	to be ordered separately	
19355*	INVERTER LED LG 6W 55V 123H	to be ordered separately	
19372*	INVERTER LED LG 8W 55V 123H	to be ordered separately	
19390*	INV EXT AT/LG AR 15W 55V LTO	to be ordered separately	
19391*	INV EXT AT/LG AR 15W 55V LiFe	to be ordered separately	

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

Lens 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
4× 18	**LP418SD**	LENS PAN 418 M600 UGR19 SD 4K	32	4 000	>80	35	36	4 700	4 400	125	A++	1/3

Lens Panel – UGR <19   Eco Driver **ED**

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
4× 18	**LP418ED**	LENS PAN 418 M600 UGR19 ED4K	23	4 000	>80	25	36	3 700	3 400	136	A++	1/3