



GENERAL CHARACTERISTICS

- Equivalent Power*** 4x 18 W
- Power supply SD Version:**
93–265 V_{AC} 50/60 Hz
176–250 V_{DC}
- Traditional driver version:**
230 V_{AC} ±10 % 50 Hz
- Standard** EN 60598-1, EN 60598-2-2,
EN 60598-2-22
(fundamental requirements),
EN 62471 (photobiological hazard)
- Protection grade** IP20, IP54
- Working temp.** -20 °C ÷ +40 °C
- Mounting** recessed, slats, plasterboards, ceiling
- Housing** galvanised Sheet steel painted with
polyester powders RAL 9003
- Optic** sheet metal Dark light type
- UGR** <19
- Luminance** 65° < 1 000 cd/mq
- Driver** SELV electronic SD (cos φ ≥ 0.96)
Electronic with intelligent dimming
- MTBF Control gear**** 80 000 h
- Luminous flux maintenance****
>60 000 h (L80B20)
- Colour deviation** 3 SDCM

* Equivalent power for comparison with fluorescent tube fixtures

** At environmental reference temperature of 25 °C

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

Accessories

supplied

| Order code | Description |
|------------|---------------------|
| 15039 | OPTICOM PHOTOSENSOR |

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 |

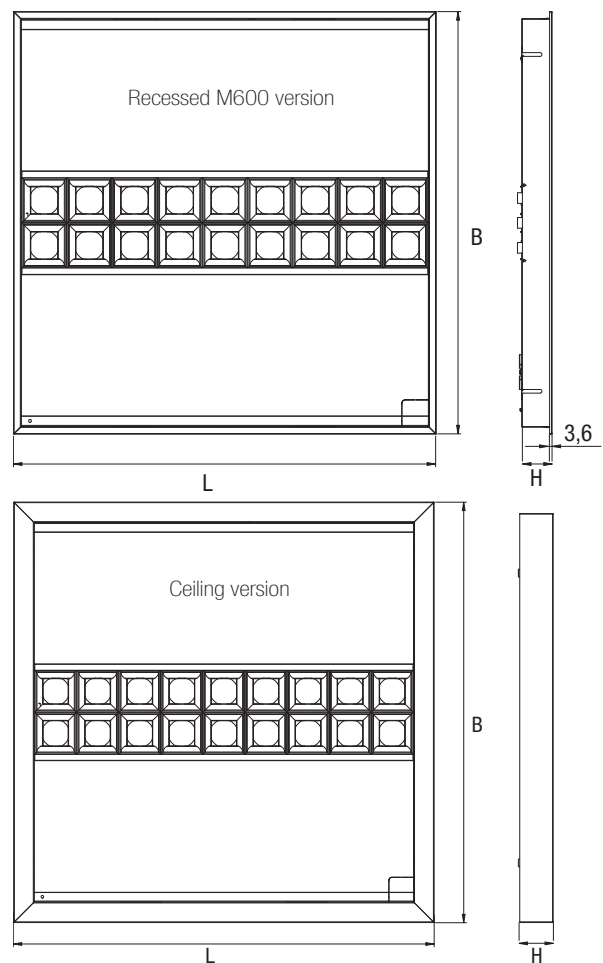
I418 LED

Ceiling, recessed M600, plasterboards, slats

Recessed fixture for mounting in an exposed structure, slats and plasterboard. Also for CEILING mounting with an adaptor. Characterized by excellent Dark Light anti-glare control, its use is particularly indicated in all workplaces with video terminals where employees are exposed to artificial light for long periods.

The exact emission of light on the work surface gives precision to the beam of light, the indirect emission that is reflected on the side reflectors considerably increases comfort thanks to an overall result of soft light.

Additional accessories are available for integrating emergency lighting: the LED Inverter for lighting up part of the fixture in the event of a blackout, or the LED Module for inserting in the seat provided.



| Power* W | • Dimensions (mm) • | | | Mounting | Weight kg |
|-------------|---------------------|-----|----|----------|--------------|
| | L | B | H | | |
| 4x 18 | 595 | 595 | 46 | recessed | 3.2 |
| 4x 18 | 635 | 635 | 54 | ceiling | 4.5 |
| 4x 18 | 595 | 595 | 46 | recessed | 5.6 |
| 4x 18 | 635 | 635 | 54 | ceiling | 6.9 |

Accessories

to be ordered separately

| Order code | Description |
|------------|---------------------------|
| 1232 | CEILING FRAME INC ECO LED |
| 10404 | BRACKETS FOR SLATS |

DOMOTIC RADIO MODULE

1÷10V MODULE

DALI MODULE

PLUG&LIGHT MODULE

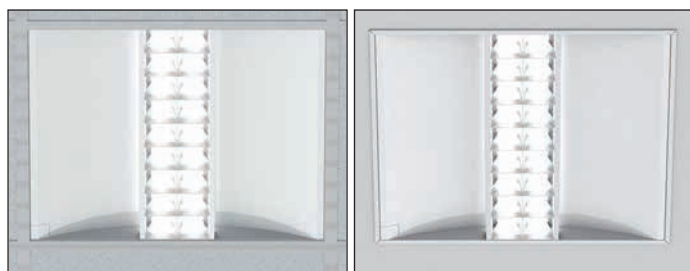
OPTIONAL MODULES TO EXTEND BEGHELLI SD TO RADIO CONTROL OR DALI / 1-10V SYSTEMS AND EMERGENCY



INTELLIGENT PHOTOSENSOR

1. **Autodimmer Natural Light**
2. **Autodimmer Dynamic Light**
3. **opticom TECHNOLOGY Smartphone Interface to control and set up system**

RECESSED MOUNTING ON PLASTERBOARD/SLATS



10404 Bracket for slats to be ordered separately

CEILING MOUNTING



1232 Ceiling adapter

IP54 VERSION



I418SDPC with polycarbonate diffuser
I418SDVT with glass diffuser

EMERGENCY WITH INVERTER ECOLED/LED MODULE



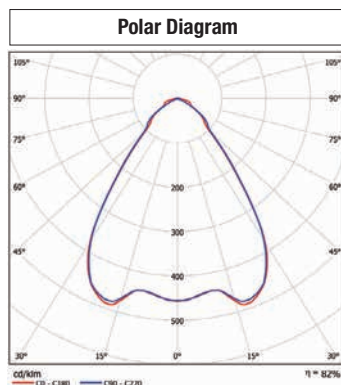
- 19350** INVERTER ECOLED SE 1N RM to be ordered separately
- 19341** MODULE EM LED AT SE 1N to be ordered separately
- 19342** MODULE EM LED LG SE/SA 1/3H to be ordered separately
- 19343** MODULE EM LED LGFM SE/SA 1/3H to be ordered separately

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 I418 LED:

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

DARK LIGHT WIDE OPTIC



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
- 19355** INVERTER LED AT/LG 6W 55V 123H to be ordered separately
- 19372** INVERTER LED AT/LG 8W 55V 123H to be ordered separately
- 19390** INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8H LTO to be ordered separately
- 19391** INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8H LiFe to be ordered separately

LG Inverters can be transformed in LGFM with the accessory code 19375

I418 LED

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 |
|----------|---------------------|-----------------------------------|-------------|----------------|------------------|-------------------------|--------|---------------------------|--------------------|------|--------------|-----------|
| 4x 18 | I418SD | INC M600 4X18 LED SD 4000K | 32 | 4 000 | >80 | 36 | 90 | 4 400 | 4 000 | 110 | A++ | 1 |
| 4x 18 | I418SDPC | INC M600 4X18 LED SD P IP54 4000K | 32 | 4 000 | >80 | 36 | 90 | 4 400 | 3 700 | 100 | A++ | 1 |
| 4x 18 | I418SDVT | INC M600 4X18 LED SD V IP54 4000K | 32 | 4 000 | >80 | 36 | 90 | 4 400 | 3 700 | 100 | A++ | 1 |
| 4x 18 | I418LED ** | INC M600 4X18 LED B 4000K | 32 | 4 000 | >80 | 36 | 90 | 4 400 | 4 000 | 110 | A++ | 1 |
| 4x 18 | I418TRLED ** | INC M600 4X18 LED TR SD 4000K | 32 | 4 000 | >80 | 36 | 90 | 4 400 | 4 000 | 110 | A++ | 1 |

** Versions with traditional electronic driver