

F30/50/70 LED

Floodlight

The F30/50/70 LED is a fixture of the latest generation able to combine the advantages of the LED light source with state-of-the-art optic systems, as regards both performance and flexibility of application. The LED sources used, with very high efficiency, produce unprecedented lighting that allows the illumination of building façades or hardstands, even at considerable distance. The diffuser has an ample and uniform area of emission, allowing very low luminosity and therefore reduced glare with high visual comfort. The excellent mechanical characteristics (IP66-IK09) allow installation in outdoor environments even in extreme conditions.

A LED INVERTER is also available which transforms the fixture into an emergency maintained fixture, to light a section of the LED source in the event of a black-out.

Floodlight with a controlled beam to optimize the management of the light emitted. Symmetrical and asymmetrical optics in a single fixture: the beam of light changes from asymmetrical to symmetrical by simply removing part of the optic.

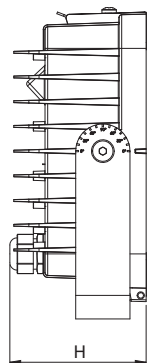
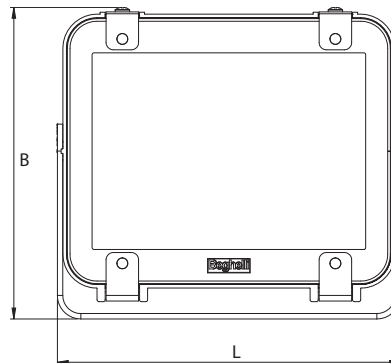
BUILDING AUTOMATION RADIO RECEIVER INTERFACE accessory available for remote switching on/off via radio.



GENERAL CHARACTERISTICS

- Equivalent Power*** 30, 50, 70 W
- Power supply** 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** IP66
- Working temp.** -20 ÷ +40 °C
- Mounting** on ground, wall
- Housing** Die-cast aluminium RAL 7040 grey
- Louvre** Sheet metal with parabolic development in anti-iridescent, mirror finished, anodised aluminium. Symmetrical Asymmetrical
- Diffuser** Prismatic toughened glass 4 mm thick
- Driver** SELV electronic ED (cos φ ≥ 0.90)
- MTBF control gear**** 65 000 h
- Luminous flux maintenance**** >50 000 h (F70) (L80B20) >60 000 h (F30-F50) (L80B20)
- Colour deviation** 3 SDCM

* Equivalent power for comparison with metal halide fixtures
 ** At environmental reference temperature of 25 °C



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

| Power * | • Dimensions (mm) • | | | Weight max kg |
|---------|---------------------|-----|------|---------------|
| | W | L | H | |
| 30 | 190 | 173 | 75.5 | 1.2 |
| 50 | 190 | 173 | 75.5 | 1.2 |
| 70 | 190 | 173 | 75.5 | 1.2 |

Accessories

supplied

Accessories

to be ordered separately

| Order code | Description |
|------------------|--|
| - | ANTI-VANDAL SCREWS |
| - | GONIOMETRIC BRACKET |
| 418319000 | CABLE GLAND M20 WITH VENTILATION VALVE |

| Order code | Description |
|--------------|-------------------------------------|
| 20108 | 1 OUTPUT interface – radio receiver |

GROUND MOUNTING



WALL MOUNTING



GONIOMETRIC BRACKET



supplied

EMERGENCY WITH LED INVERTER

TR AT LG LGFM

-  **19377** INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V IP65 *to be ordered separately*
-  **19368** INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V IP65 *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*

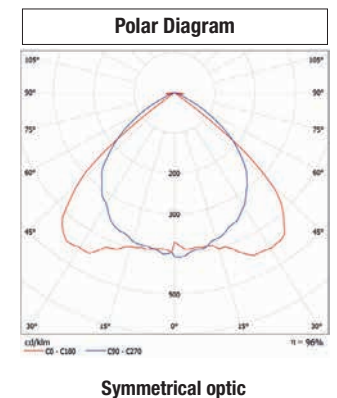
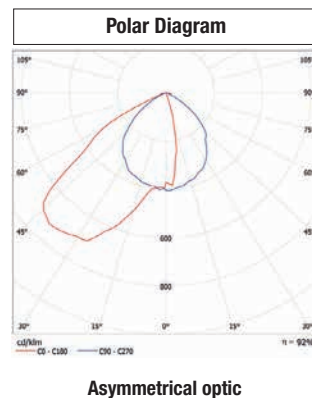
* IP65 cover (order code 19376) is needed for the installation LGFM Module 19375

VERSION WITH ASYMMETRICAL OPTIC



Floodlight with divisible modules

The optic system has been created so as to obtain both a symmetrical and an asymmetrical beam. The light source can operate in symmetrical mode by removing part of the louvre.



F30/50/70 LED

EcoDriver 

| Power* W | Order code | Description | Optic | 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 |
|----------|---------------|------------------|------------|-------------|----------------|------------------|-------------------------|--------|---------------------------|--------------------|------|--------------|-----------|
| 30 | F30LED | PRO LED 1x30W 4K | SYM / ASYM | 15 | 4 000 | >80 | 17 | 33 | 2 100 | 1 800 | 110 | A++ | 1/8 |
| 50 | F50LED | PRO LED 1x50W 4K | SYM / ASYM | 23 | 4 000 | >80 | 26 | 66 | 3 500 | 3 000 | 110 | A++ | 1/8 |
| 70 | F70LED | PRO LED 1x70W 4K | SYM / ASYM | 33 | 4 000 | >80 | 37 | 99 | 4 600 | 4 000 | 110 | A++ | 1/8 |