



ELIA FL is a LED outdoor floodlight available in low, medium and high power versions for lighting external industrial areas, such as car parks and walkways or driveways. It can be mounted on surfaces, ceilings or on the ground using the adjustable steel bracket supplied with the device, or in the pole head version, courtesy of the dedicated accessory for poles with a diameter of up to 61mm. Crafted from black powder-coated die-cast aluminium, it is available in four sizes and powers, with integrated power supply in the On/Off or DALI options, three types of optic (30°, 60° and asymmetrical) with a colour temperature of 4,000K (neutral white) and a colour rendering index of more than 80. Tough and durable, ELIA FL has been designed to withstand surges of up to 10KV and temperature variations from -30 °C to + 50 °C, and offers protection from water and dust penetration of up to level IP66 and from shocks and impacts of up to level IK08. ELIA FL is quick and easy to install thanks to its limited weight and adjustable bracket.

GENERAL INFORMATION

| | |
|----------------------------------|--|
| Context | Industry, Logistic, Façade, Sport |
| Luminaire | LED luminaire with small, mid and high lumen power |
| Application | Indoor / Outdoor |
| Unique digital code (Datamatrix) | Currently not present |

| | |
|-----------------------|--------------------------|
| Colour | Black |
| Type of light source | LED |
| System power | 100 W |
| LED Lifetime | L80B50 (Tq25°) = 89.000h |
| Weight (kg) | 3.9 |
| Warranty | 5 years |
| Stocking temperature | -40° +85° |
| Operating temperature | -30° +50° |

MATERIALS

| | |
|-------------|---|
| Body | Die-cast aluminium - |
| Shield type | Flat silked tempered glass 4mm thick with Gewiss logo |

| | |
|----------------|-----------------------------------|
| Optic | With high efficiency optic system |
| Gasket | - |
| Locking Hook | - |
| External screw | Stainless steel |
| Colour | Powder coating |

STANDARDS AND APPROVALS

| | |
|---|--------|
| Classification | - |
| Device with reduced surface temperature | - |
| DIN 18032-3 certification | - |
| IPEA | - |
| Insulation class | I |
| IP degree | IP66 |
| Mechanical resistance | IK08 |
| Glow Wire Test | 750 °C |

OPTIC AND ILLUMINATING FEATURES

| | |
|------------------------------------|-----------|
| Optic | 60° |
| Unified Glare Rating | ULOR = 0% |
| Lumen output (lm) | 13400 |
| Efficiency (lm/W) | 134 |
| Colour temperature | 4000 K |
| Color Rendering Index | CRI 80 |
| Standard Deviation Colour Matching | SDCM = 5 |
| Photobiological Risk Class | RG0 |

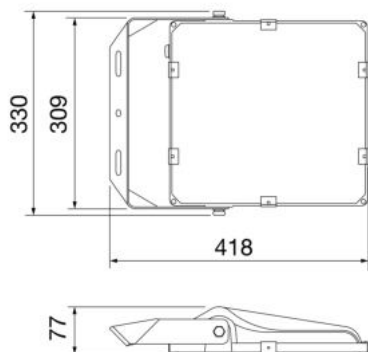
ELECTRICAL AND LIGHTING FEATURES

| | |
|------------------------|-------------------------------|
| Supply voltage | 100-240 V |
| Rated frequency (Hz) | 50 / 60 |
| Driver | Included |
| Driver failure rate | F10 = 80.000h Tq25°C |
| Overvoltage protection | Overvoltage protection 10-6kV |

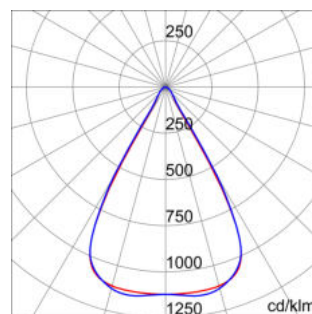
INSTALLATION AND MAINTENANCE

| | |
|-------------------------------------|-----------------------------------|
| Control System | ON OFF |
| Mounting and installation | Ceiling - Wall - Floor |
| Tilt | With adjustable bracket assembled |
| Wiring | With power cable |
| Fixing | - |
| Light source replaceability | By professional |
| Controlgear replaceability | By professional |
| Driver Box | Built-in |
| Maximum surface exposed to the wind | 0.1 m² |

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 07/02/2023. They can be changed at any moment, therefore it is always recommended to read the last updated version published on the website www.gewiss.com. Lumen output and system power are subject to a tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C. Terms of warranty at <https://www.gewiss.com/it/en/company/landingpage/led-warranty>. - 1 of 2



Product Data Sheet

GWF1100MH840

ELIA FL - Floodlight LED