

Product Data Sheet

GWS6423GD

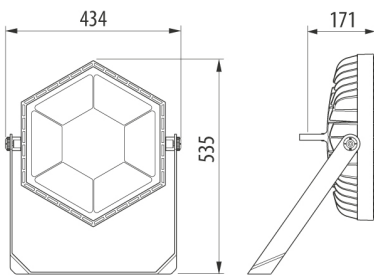
ESALITE FL



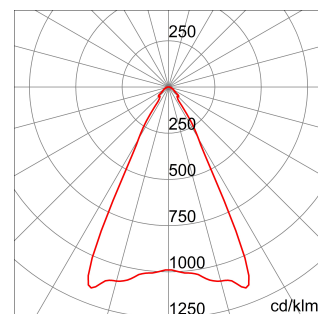
Industrial LED lighting fixture made of die-cast EN AB 46100 aluminium with polyester powder coating. Correct illumination is provided by an optical system composed of different versions of lenses and sealed by an extra-clear tempered glass of 4mm. Silicone gaskets, Goretex breathing and anti-condensation device, waterproof connector for 1.5 mm² cables and stainless steel external screws. Integrated suspension fixing system thanks to a ring made directly in the die-cast aluminium. The die-cast aluminium structure guarantees optimal performance conditions both at Ta25° and Ta50° thanks to specific thermal sizing tests. The correct heat dispersion inside ESALITE is guaranteed by the special passive heat sink with a very low copper content that offers high qualitative and quantitative performances.

| GENERAL INFORMATION | | OPTIC AND ILLUMINATING FEATURES | |
|---|---|-------------------------------------|---|
| Context | Industry, Logistic, Façade, Sport | Optic | Medium 60° |
| Luminaire | LED luminaire with mid and high lumen power | Unified Glare Rating | UGR ≤ 25 |
| Application | Indoor / Outdoor | Lumen output (lm) | 11900 |
| Unique digital code (Datamatrix) | Datamatrix | Efficacy (lm/W) | 106 |
| Colour | Grey RAL 9006 | Colour temperature | 4000 K |
| Type of light source | LED | Colour Rendering Index | CRI>80 |
| System power | 112 W | Standard Deviation Colour Matching | SDCM = 3 |
| LED Lifetime | L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h | Photobiological Risk Class | - |
| Weight (kg) | 9.5 | Standard | EN60598-1; EN60598-2-5; IEC 62778; IEC62471 |
| Warranty | 5 years | ELETRICAL AND LIGHTING FEATURES | |
| Stocking temperature | -25°C ÷ +70°C / HR 10% ÷ 85% | Supply voltage | 220-240 V |
| Operating temperature | -25°C ÷ +50°C | Rated frequency (Hz) | 50/60 Hz |
| MATERIALS | | Driver | Included |
| Body | Die-cast aluminium | Driver failure rate | F10 = 100.000h Tq25°C/50.000h Tq50°C |
| Shield type | Flat tempered glass 4mm | Overvoltage protection | DM 6KV / CM 8KV |
| Optic | PMMA lens | Control System | DALI |
| Gasket | CNC deposited sealant | INSTALLATION AND MAINTENANCE | |
| Locking Hook | - | Mounting and installation | Bracket |
| External screw | Stainless steel | Tilt | With graduated fixing bracket |
| Colour | Polyester powder coated | Wiring | With watertight connector |
| STANDARDS AND APPROVALS | | Fixing | - |
| Classification | - | Light source replaceability | Non-replaceable |
| Device with reduced surface temperature | - | Controlgear replaceability | By professional |
| DIN 18032-3 certification | No | Driver Box | Built-in |
| IPEA | - | Maximum surface exposed to the wind | 0,13 m ² |
| Insulation class | I | - | - |
| IP degree | IP66 | - | - |
| Mechanical resistance | IK08 | - | - |
| Glow Wire Test | - | - | - |

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

GWT
-

STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 20/04/2023. 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 1