



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 mm<sup>2</sup> 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

|                                  |   |
|----------------------------------|---|
| Context                          | Industry, Logistic, Façade, Sport                 |
| Luminaire                        | LED luminaire with mid and high lumen power       |
| Application                      | Indoor / Outdoor                                  |
| Unique digital code (Datamatrix) | Datamatrix  |
| Colour                           | Grey RAL 9006                                     |
| Type of light source             | LED   |
| System power                     | 148 W   |
| LED Lifetime                     | L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h |
| Weight (kg)                      | 9.5   |

### OPTIC AND ILLUMINATING FEATURES

|                                    |   |
|------------------------------------|---|
| Optic                              | Medium 60°                                  |
| Unified Glare Rating               | UGR ≤ 28                                    |
| Lumen output (lm)                  | 15800                                       |
| Efficacy (lm/W)                    | 107   |
| Colour temperature                 | 5700 K                                      |
| Colour Rendering Index             | CRI>80                                      |
| Standard Deviation Colour Matching | SDCM = 3                                    |
| Photobiological Risk Class         | -   |
| Standard                           | EN60598-1; EN60598-2-5; IEC 62778; IEC62471 |

|                       |                              |
|-----------------------|------------------------------|
| Warranty              | 5 years                      |
| Stocking temperature  | -25°C ÷ +70°C / HR 10% ÷ 85% |
| Operating temperature | -25°C ÷ +40 °C               |

### MATERIALS

|                |                         |
|----------------|-------------------------|
| Body           | Die-cast aluminium      |
| Shield type    | Flat tempered glass 4mm |
| Optic          | PMMA lens               |
| Gasket         | CNC deposited sealant   |
| Locking Hook   | -                       |
| External screw | Stainless steel         |
| Colour         | Polyester powder coated |

### STANDARDS AND APPROVALS

|   |               |
|---|---------------|
| Classification                          | -             |
| Device with reduced surface temperature | -             |
| DIN 18032-3 certification               | Not available |
| IPEA                                    | -             |
| Insulation class                        | I             |
| IP degree                               | IP66          |
| Mechanical resistance                   | IK08          |
| Glow Wire Test                          | -             |

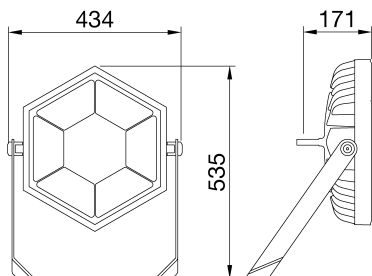
### ELETRICAL AND LIGHTING FEATURES

|                        |                                      |
|------------------------|--------------------------------------|
| Supply voltage         | 220-240 V                            |
| Rated frequency (Hz)   | 50/60 Hz                             |
| Driver                 | Included                             |
| Driver failure rate    | F10 = 100.000h Tq25°C/50.000h Tq50°C |
| Overvoltage protection | DM 6KV / CM 8KV                      |
| Control System         | DALI                                 |

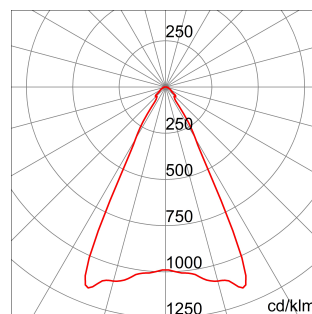
### INSTALLATION AND MAINTENANCE

|                                     |                               |
|-------------------------------------|-------------------------------|
| Mounting and installation           | Bracket                       |
| Tilt                                | With graduated fixing bracket |
| Wiring                              | With watertight connector     |
| Fixing                              | -                             |
| Light source replaceability         | Non-replaceable               |
| Controlgear replaceability          | By professional               |
| Driver Box                          | Built-in                      |
| Maximum surface exposed to the wind | 0,13 m <sup>2</sup>           |

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP  
IP66

IK  
IK08

GWT  
-



Product Data Sheet  
**GWS6443GD57K**

ESALITE FL

STANDARDS/APPROVALS

