



Industrial LED lighting fixture made of die-cast EN AB 46100 aluminum with polyester powder coating. Correct lighting is provided by an optical system composed of different versions of lenses. Silicone gaskets, Goretex breathing and anti-condensation device, 2 waterproof connectors 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 aluminum. The die-cast aluminum structure guarantees optimal performance conditions both @ 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                          | Logistics and industrial manufacturing lighting   |
| Luminaire                        | LED Industrial Reflector                          |
| Application                      | Internal  |
| Unique digital code (Datamatrix) | Datamatrix  |
| Colour                           | Grey RAL 9006                                     |
| Type of light source             | LED   |
| System power                     | 420 W   |
| LED Lifetime                     | L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h |
| Weight (kg)                      | 22.5  |
| Warranty                         | 5 years   |
| Stocking temperature             | -25°C + +70°C / HR 10% + 85%                      |
| Operating temperature            | -25°C + +50°C                                     |

#### MATERIALS

|                |                         |
|----------------|-------------------------|
| Body           | Die-cast aluminium      |
| Shield type    | High transparency PMMA  |
| Optic          | PMMA lens               |
| Gasket         | Silicon                 |
| 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                               | IP65          |
| Mechanical resistance                   | IK07          |
| Glow Wire Test                          | 650 °C        |

#### OPTIC AND ILLUMINATING FEATURES

|                                    |            |
|------------------------------------|------------|
| Optic                              | Narrow 30° |
| Unified Glare Rating               | UGR ≤ 25   |
| Lumen output (lm)                  | 43900      |
| Efficacy (lm/W)                    | 105        |
| Colour temperature                 | 3000 K     |
| Colour Rendering Index             | CRI>80     |
| Standard Deviation Colour Matching | SDCM = 3   |
| Photobiological Risk Class         | RG0        |

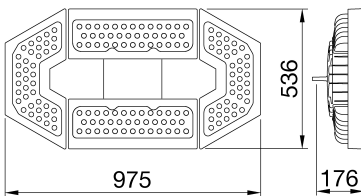
#### ELETRICAL AND LIGHTING FEATURES

|                        |                                      |
|------------------------|--------------------------------------|
| Standard               | EN60598-1; IEC 62778; IEC62471       |
| Supply voltage         | 220-240 V                            |
| Rated frequency (Hz)   | 50/60 Hz                             |
| Driver                 | Included                             |
| Driver failure rate    | F10 = 100.000h Tq25°C/50.000h Tq40°C |
| Overvoltage protection | DM 6KV / CM 8KV                      |
| Control System         | DALI                                 |

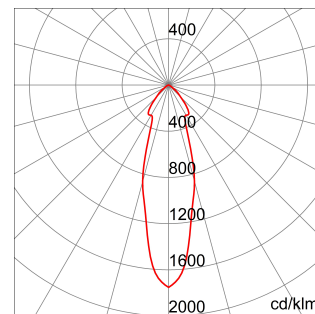
#### INSTALLATION AND MAINTENANCE

|                                     |                           |
|-------------------------------------|---------------------------|
| Mounting and installation           | Suspended                 |
| Tilt                                | Not possible              |
| Wiring                              | With watertight connector |
| Fixing                              | -                         |
| Light source replaceability         | Non-replaceable           |
| Controlgear replaceability          | By professional           |
| Driver Box                          | Built-in                  |
| Maximum surface exposed to the wind | 0,42 m <sup>2</sup>       |

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



0,42 m<sup>2</sup>



IP

IP65

IK

IK07

GWT

650 °C



Product Data Sheet  
**GWS6082GD30K**

ESALITE HB

STANDARDS/APPROVALS

