

ESALITE HB



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, breathing and anti-condensation device in Goretex, 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 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 | 112 W |
| LED Lifetime | L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h |

| | |
|-----------------------|------------------------------|
| Weight (kg) | 7.5 |
| 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 | No |
| IPEA | - |
| Insulation class | I |
| IP degree | IP65 |
| Mechanical resistance | IK07 |
| Glow Wire Test | 650 °C |

OPTIC AND ILLUMINATING FEATURES

| | |
|------------------------------------|----------|
| Optic | Wide 90° |
| Unified Glare Rating | UGR ≤ 22 |
| Lumen output (lm) | 13700 |
| Efficiency (lm/W) | 122 |
| Colour temperature | 4000 K |
| Color Rendering Index | CRI>80 |
| Standard Deviation Colour Matching | SDCM = 3 |
| Photobiological Risk Class | RG0 |

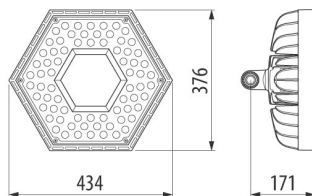
ELETRICAL AND LIGHTING FEATURES

| | |
|------------------------|--------------------------------------|
| 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 |

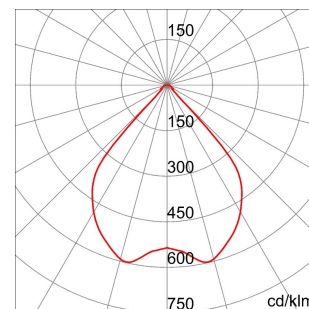
INSTALLATION AND MAINTENANCE

| | |
|-------------------------------------|-------------------------------|
| Mounting and installation | Suspended |
| Tilt | Not possible |
| Wiring | With watertight connector |
| Fixing | - |
| Light source replaceability | Not available-Non-replaceable |
| Controlgear replaceability | Not available-By professional |
| Driver Box | Built-in |
| Maximum surface exposed to the wind | 0.12 m ² |

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP65

IK
IK07

GWT
650 °C

STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 01/11/2022. 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

