

### ESALITE HB



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                          | Logistics and industrial manufacturing lighting |
| Luminaire                        | LED Industrial Reflector                        |
| Zastosowanie                     | Wewnętrzny/Zewnętrzny                           |
| Unique digital code (Datamatrix) | Datamatrix                                      |

|                       |   |
|-----------------------|---|
| Kolor                 | Szary RAL 9006                                    |
| Rodzaj źródła światła | Dioda LED - Niewymienna                           |
| Moc                   | 125 W   |
| LED Lifetime          | L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h |

|                            |                              |
|----------------------------|------------------------------|
| Masa (kg)                  | 7.5                          |
| Gwarancja                  | 5 lat                        |
| Temperatura przechowywania | -25°C + +70°C / HR 10% + 85% |
| Operating temperature      | -25°C + +50°C                |

#### MATERIALS

|                |                                |
|----------------|--------------------------------|
| Body           | Aluminium odlewane ciśnieniowo |
| Typ osłony     | Flat tempered glass 4mm        |
| Optic          | PMMA lens                      |
| Gasket         | CNC deposited sealant          |
| Locking Hook   | -                              |
| External screw | Stainless steel                |
| Colour         | Polyester powder coated        |

#### STANDARDS AND APPROVALS

|  |      |
|--|------|
| Klasyfikacja                                     | -    |
| Urządzenie z ograniczoną temperaturą powierzchni | -    |
| Świadectwo wg DIN 18032-3                        | Tak  |
| IPEA   | -    |
| Klasa Izolacji                                   | I    |
| Ochrona IP                                       | IP66 |
| Odporność na wstrząsy                            | IK08 |
| Próba rozżarzoną drutem                          | -    |

#### OPTIC AND ILLUMINATING FEATURES

|                      |            |
|----------------------|------------|
| Optyka               | Średni 60° |
| Unified Glare Rating | UGR ≤ 28   |
| Moc z oprawy (lm)    | 13600      |
| Efficiency (lm/W)    | 109        |

|                                    |          |
|------------------------------------|----------|
| Temperatura Barwowa                | 5700 K   |
| Color Rendering Index              | CRI>80   |
| Standard Deviation Colour Matching | SDCM = 3 |
| Photobiological Risk Class         | RG0      |

|       |                                |
|-------|--------------------------------|
| Norma | EN60598-1; IEC 62778; IEC62471 |
|-------|--------------------------------|

#### ELETRICAL AND LIGHTING FEATURES

|                         |           |
|-------------------------|-----------|
| Zasilanie wyjściowe     | 220-240 V |
| Prąd częstotliwość (Hz) | 50/60 Hz  |
| Driver                  | Included  |

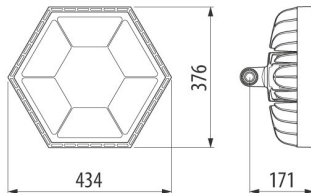
|                        |                                      |
|------------------------|--------------------------------------|
| Driver failure rate    | F10 = 100.000h Tq25°C/50.000h Tq50°C |
| Overvoltage protection | DM 6KV / CM 8KV                      |
| Control System         | DALI                                 |

#### INSTALLATION AND MAINTENANCE

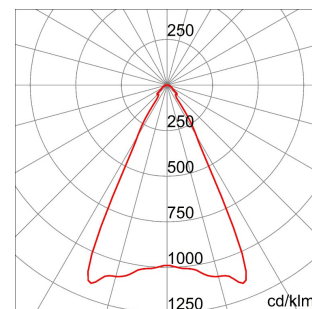
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|--------------------------|---------------------------|
| Mouting and installation | Suspended                 |
| Tilt                     | Not possible              |
| Wiring                   | With watertight connector |

|  |                     |
|--|---------------------|
| Mocowanie  | -                   |
| Optic Maintenance                                      | Not available       |
| LED Maintenance  | Not available       |
| Driver Box   | Wbudowana           |
| Maksymalna powierzchnia wystawiona na działanie wiatru | 0.12 m <sup>2</sup> |

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP

IP66

IK

IK08

GWT

-

### STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 14/05/2021. 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](http://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

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