



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

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| Context | Logistics and industrial manufacturing lighting |
| Luminaire | LED Industrial Reflector |
| Application | Indoor / Outdoor |
| Unique digital code (Datamatrix) | Datamatrix |
| Colour | Grey RAL 9006 |
| Type of light source | LED |
| System power | 52 W |
| LED Lifetime | L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h |
| Weight (kg) | 3.3 |
| Warranty | 5 years |
| Stocking temperature | -25°C + +70°C / HR 10% + 85% |
| Operating temperature | -25°C + +50°C |

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| 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 |

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| STANDARDS AND APPROVALS | |
| Classification | - |
| Device with reduced surface temperature | - |
| DIN 18032-3 certification | Available (under certain installation conditions) |
| IPEA | - |
| Insulation class | I |
| IP degree | IP66 |
| Mechanical resistance | IK08 |
| Glow Wire Test | - |

OPTIC AND ILLUMINATING FEATURES

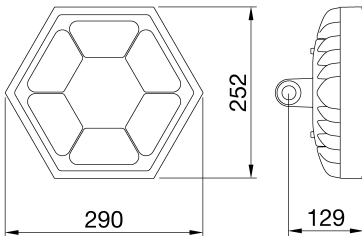
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|------------------------------------|--------------------------------|
| Optic | Narrow 30° |
| Unified Glare Rating | UGR ≤ 25 |
| Lumen output (lm) | 5700 |
| Efficacy (lm/W) | 110 |
| Colour temperature | 4000 K |
| Colour Rendering Index | CRI>80 |
| Standard Deviation Colour Matching | SDCM = 3 |
| Photobiological Risk Class | RG0 |
| Standard | EN60598-1; IEC 62778; IEC62471 |

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| ELECTRICAL AND LIGHTING FEATURES | |
| Supply voltage | 220-240 V |
| Rated frequency (Hz) | 50/60 Hz |
| Driver | Included |
| Driver failure rate | F 10 = 100.000h Tq25°C/50.000h Tq50°C |
| Overvoltage protection | DM 6KV / CM 8KV |
| Control System | DALI |

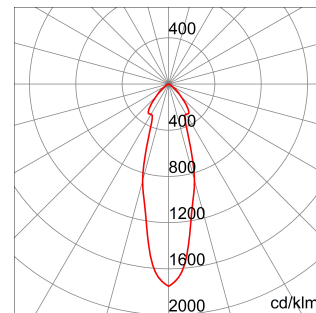
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|-------------------------------------|---------------------------|
| INSTALLATION AND MAINTENANCE | |
| Mounting and installation | Suspended |
| Tilt | Not possible |
| Wiring | With watertight connector |
| Fixing | - |
| Light source replaceability | Non-replaceable |
| Controlgear replaceability | By professional |
| Driver Box | Built-in |

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|-------------------------------------|---------------------|
| Maximum surface exposed to the wind | 0,06 m ² |
| Insulation class | I |
| IP degree | IP66 |
| Mechanical resistance | IK08 |
| Glow Wire Test | - |

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY





Product Data Sheet

GWS6312GD

ESALITE HB

STANDARDS/APPROVALS

