

### 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

Application Indoor / Outdoor

Unique digital code (Datamatrix) Datamatrix

Colour Grey RAL 9006

Type of light source LED - Not replaceable

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 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 Yes

IPEA

Insulation class I

IP degree IP66

Mechanical resistance IK08

Glow Wire Test

#### OPTIC AND ILLUMINATING FEATURES

Optic Medium 60°

Unified Glare Rating UGR ≤ 25

Lumen output (lm) 11900

Efficiency (lm/W) 106

Colour temperature 5700 K

Color Rendering Index CRI>80

Standard Deviation Colour Matching SDCM = 3

Photobiological Risk Class RG0

Standard EN60598-1; IEC 62778; IEC62471

#### 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

Mouting and installation Suspended

Tilt Not possible

Wiring With watertight connector

Fixing

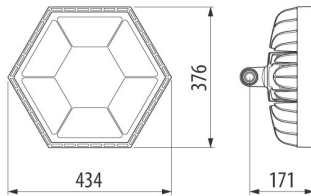
Optic Maintenance Not available

LED Maintenance Not available

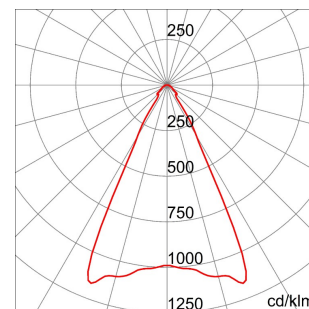
Driver Box Built-in

Maximum surface exposed to the wind 0.12 m<sup>2</sup>

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP  
IP66

IK  
IK08

GWT  
-

### STANDARDS/APPROVALS





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