

### 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 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 - 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
<b>MATERIALS</b>	-
Body	Die-cast aluminium -
Shield type	High transparency PMMA
Optic	PMMA lens
Gasket	Silicon
Locking Hook	-
External screw	Stainless steel
Colour	Polyester powder coated
<b>STANDARDS AND APPROVALS</b>	-
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	Elliptical
Unified Glare Rating	UGR ≤ 28
Lumen output (lm)	12900
Efficiency (lm/W)	115
Colour temperature	4000 K
Color Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0
Standard	EN60598-1; IEC 62778; IEC62471

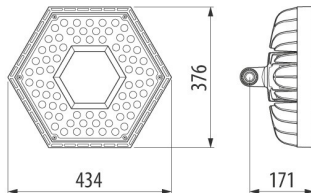
#### ELETRICAL AND LIGHTING FEATURES

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

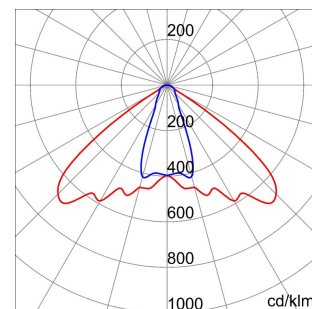
#### INSTALLATION AND MAINTENANCE

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  
IP65

IK  
IK07

GWT  
650 °C

### STANDARDS/APPROVALS



