



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, Goretex breathing and anti-condensation device, 2 waterproof connectors 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
System power	420 W
LED Lifetime	L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h
Weight (kg)	22.5
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	Not available
IPEA	-
Insulation class	I
IP degree	IP65
Mechanical resistance	IK07
Glow Wire Test	650 °C

### OPTIC AND ILLUMINATING FEATURES

Optic	Narrow 30°
Unified Glare Rating	UGR ≤ 25
Lumen output (lm)	47200
Efficacy (lm/W)	112
Colour temperature	5700 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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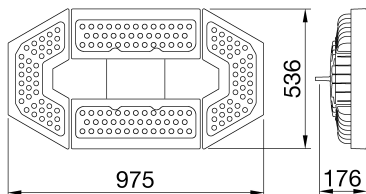
### ELETRICAL AND LIGHTING FEATURES

Supply voltage	220-240 V
Rated frequency (Hz)	50/60 Hz
Driver	Included
Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq40°C
Overvoltage protection	DM 6KV / CM 8KV
Control System	DALI

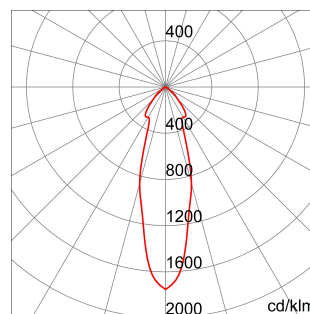
### INSTALLATION AND MAINTENANCE

Mounting and installation	Suspended
Tilt	Not possible
Wiring	With watertight connector
Fixing	-
Light source replaceability	Non-replaceable
Controlgear replaceability	By professional
Driver Box	Built-in
Maximum surface exposed to the wind	0,42 m <sup>2</sup>

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP  
IP65

IK  
IK07

GWT  
650 °C



Product Data Sheet  
**GWS6082GD57K**

ESALITE HB

STANDARDS/APPROVALS

