



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 mm² 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 Application	LED Industrial Reflector Internal
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 9006
Type of light source	LED
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	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	Medium 60°
Unified Glare Rating	UGR ≤ 25
Lumen output (lm)	12900
Efficacy (lm/W)	115
Colour temperature	5700 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0

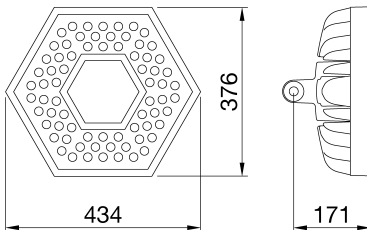
ELECTRICAL AND LIGHTING FEATURES

Standard	EN60598-1; IEC 62778; IEC62471
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

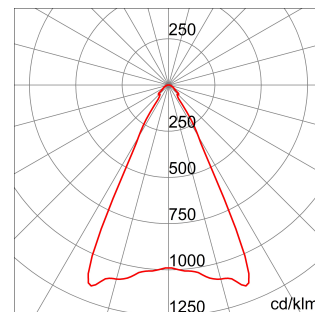
INSTALLATION AND MAINTENANCE

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	0.12 m ²

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY





Product Data Sheet
GWS6023GD57K

ESALITE HB

STANDARDS/APPROVALS

