



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

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
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	Available (under certain installation conditions)
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08
Glow Wire Test	-

OPTIC AND ILLUMINATING FEATURES

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

ELETRICAL AND LIGHTING FEATURES

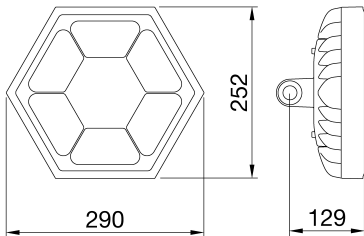
Standard	EN60598-1; IEC 62778; IEC62471
Supply voltage	220-240 V
Rated frequency (Hz)	50/60 Hz
Driver	Included
Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq50°C
Overvoltage protection	DM 6KV / CM 8KV
Control System	DALI

INSTALLATION AND MAINTENANCE

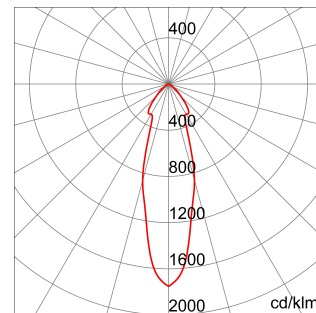
Mounting and installation	Suspended
Tilt	Not possible
Wiring	With watertight connector
Fixing	-
Light source replaceability	Non-replaceable
Controlgear replaceability	By professional
Driver Box	Built-in

Maximum surface exposed to the wind	0,06 m ²
-	-
-	-
-	-
-	-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY





Product Data Sheet
GWS6312GD57K

ESALITE HB

STANDARDS/APPROVALS

