



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	Industry, Logistic, Façade, Sport
Luminaire	LED luminaire with mid and high lumen power
Application	Indoor / Outdoor
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 9006
Type of light source	LED
System power	148 W
LED Lifetime	L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h
Weight (kg)	9.5

OPTIC AND ILLUMINATING FEATURES

Optic	Narrow 30°
Unified Glare Rating	UGR ≤ 25
Lumen output (lm)	15500
Efficacy (lm/W)	105
Colour temperature	5700 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	-
Standard	EN60598-1; EN60598-2-5; IEC 62778; IEC62471

Warranty	5 years
Stocking temperature	-25°C ÷ +70°C / HR 10% ÷ 85%
Operating temperature	-25°C ÷ +40 °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	Not available
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08
Glow Wire Test	-

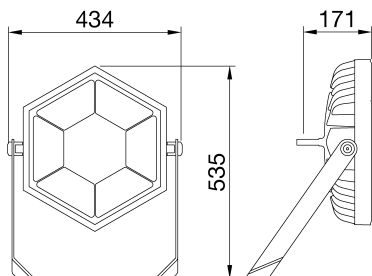
ELETRICAL AND LIGHTING FEATURES

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

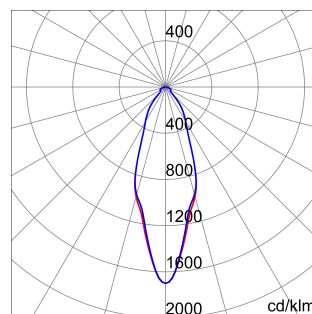
INSTALLATION AND MAINTENANCE

Mounting and installation	Bracket
Tilt	With graduated fixing bracket
Wiring	With watertight connector
Fixing	-
Light source replaceability	Non-replaceable
Controlgear replaceability	By professional
Driver Box	Built-in
Maximum surface exposed to the wind	0,13 m ²

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

GWT
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Product Data Sheet
GWS6442GD57K

ESALITE FL

STANDARDS/APPROVALS

