



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	Lighting for parks and green areas
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)	8.5

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	No
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08
Glow Wire Test	-

OPTIC AND ILLUMINATING FEATURES

Optic	Elliptical
Unified Glare Rating	UGR ≤ 28
Lumen output (lm)	15800
Efficacy (lm/W)	107
Colour temperature	4000 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	-
Standard	EN60598-1; EN60598-2-5; IEC 62778; IEC62471

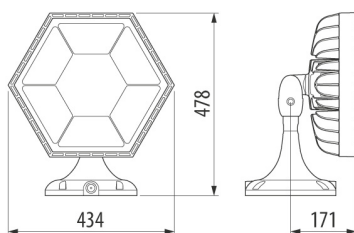
ELETRICAL AND LIGHTING FEATURES

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

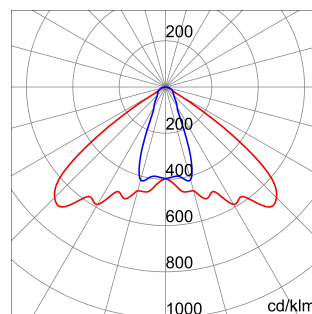
INSTALLATION AND MAINTENANCE

Mounting and installation	Wall/ground
Tilt	With graduated support
Wiring	With watertight connector
Fixing	-
Light source replaceability	Non-replaceable
Controlgear replaceability	By professional
Driver Box	Built-in
Maximum surface exposed to the wind	0,14 m ²

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

GWT
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STANDARDS/APPROVALS

