Product Data Sheet
GWS6544GD

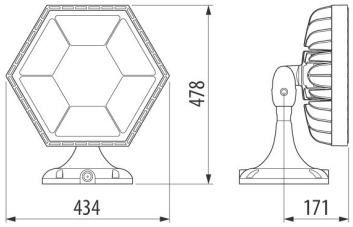
ESALITE PL
Architecturale toestellen

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.

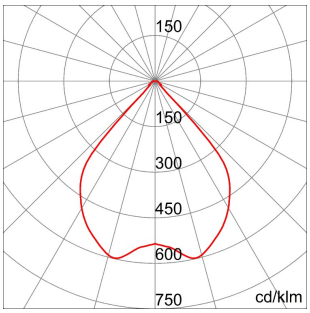
GENERAL INFORMATION	-
Context	Lighting for parks and green areas
Luminaire	LED luminaire with mid and high lumen power
Toepassing	Binnenshuis / buitenshuis
Unique digital code (Datamatrix)	Datamatrix
Kleur	Grey RAL 9006
Type lichtbron	LED
System vermogen	148 W
LED Lifetime	L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h
Gewicht (kg)	8.5
Garantie	5 jaar
Opslagtemperatuur	-25°C ÷ +70°C / HR 10% ÷ 85%
Operating temperature	-25°C ÷ +40 °C
MATERIALS	-
Body	Gietaluminium -
Type plaat	Flat tempered glass 4mm
Optic	PMMA lens
Gasket	CNC deposited sealant
Locking Hook	-
External screw	Stainless steel
Colour	Polyester powder coated
STANDARDS AND APPROVALS	-
Classificering	-
Toestel met verlaagde oppervlaktetemperatuur	-
DIN 18032-3-certificering	Nee
IPEA	-
Isolatie-klasse	I
IP-graad	IP66
Stoot-bestendigheid	IK08
Glow Wire Test	-

OPTIC AND ILLUMINATING FEATURES	-
Optiek	Wide 90°
Unified Glare Rating	UGR ≤ 25
Lumen-vermogen (lm)	16800
Efficacy (lm/W)	114
Kleur temperatuur	4000 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	-
Standaard	EN60598-1; EN60598-2-5; IEC 62778; IEC62471
ELETRICAL AND LIGHTING FEATURES	-
Voedings-spanning	220-240 V
Nominale frequentie (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
Bevestiging	-
Light souce replaceability	Non-replaceable
Controlgear replaceability	By professional
Driver Box	Ingebouwd
Maximum surface exposed to the wind	0,14 m²
	-
	-
	-
	-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



Data, measures, designs and pictures are for information purpose only, last update 19/04/2024. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C. Terms of warranty at https://www.gewiss.com/it/en/company/landingpage/led-warranty. - 1 of 2

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TECHNICAL SYMBOLOGY

0,14 m²

IP	IK	GWT
IP66	IK08	-

STANDARDS/APPROVALS