

# Product Data Sheet

## GWS6424GD

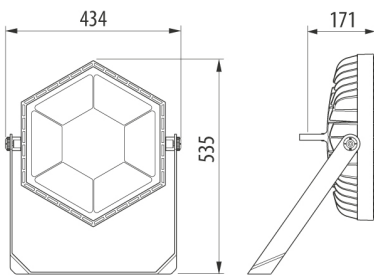
ESALITE FL



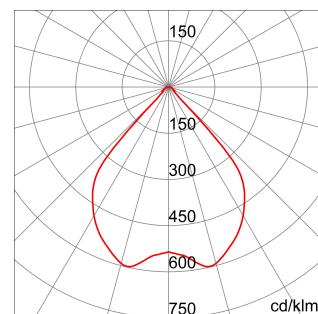
Industrial LED lighting fixture made of die-cast EN AB 46100 aluminium with polyester powder coating. Correct illumination is provided by an optical system composed of different versions of lenses and sealed by an extra-clear tempered glass of 4mm. Silicone gaskets, Goretex breathing and anti-condensation device, waterproof connector for 1.5 mm<sup>2</sup> 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		OPTIC AND ILLUMINATING FEATURES	
Context	Industry, Logistic, Façade, Sport	Optic	Wide 90°
Luminaire	LED luminaire with mid and high lumen power	Unified Glare Rating	UGR ≤ 22
Application	Indoor / Outdoor	Lumen output (lm)	12700
Unique digital code (Datamatrix)	Datamatrix	Efficacy (lm/W)	113
Colour	Grey RAL 9006	Colour temperature	4000 K
Type of light source	LED	Colour Rendering Index	CRI>80
System power	112 W	Standard Deviation Colour Matching	SDCM = 3
LED Lifetime	L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h	Photobiological Risk Class	-
Weight (kg)	9.5	Standard	EN60598-1; EN60598-2-5; IEC 62778; IEC62471
Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	
Stocking temperature	-25°C ÷ +70°C / HR 10% ÷ 85%	Supply voltage	220-240 V
Operating temperature	-25°C ÷ +50°C	Rated frequency (Hz)	50/60 Hz
MATERIALS		Driver	Included
Body	Die-cast aluminium	Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq50°C
Shield type	Flat tempered glass 4mm	Overvoltage protection	DM 6KV / CM 8KV
Optic	PMMA lens	INSTALLATION AND MAINTENANCE	
Gasket	CNC deposited sealant	Mounting and installation	Bracket
Locking Hook	-	Tilt	With graduated fixing bracket
External screw	Stainless steel	Wiring	With watertight connector
Colour	Polyester powder coated	Fixing	-
STANDARDS AND APPROVALS		Light source replaceability	Non-replaceable
Classification	-	Controlgear replaceability	By professional
Device with reduced surface temperature	-	Driver Box	Built-in
DIN 18032-3 certification	No	Maximum surface exposed to the wind	0,13 m <sup>2</sup>
IPEA	-	-	-
Insulation class	I	-	-
IP degree	IP66	-	-
Mechanical resistance	IK08	-	-
Glow Wire Test	-	-	-

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP  
IP66

IK  
IK08

GWT  
-

### STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 20/04/2023. They can be changed at any moment, therefore it is always recommended to read the last updated version published on the website [www.gewiss.com](http://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 1