



ELIA FL is a LED outdoor floodlight available in low, medium and high power versions for lighting external industrial areas, such as car parks and walkways or driveways. It can be mounted on surfaces, ceilings or on the ground using the adjustable steel bracket supplied with the device, or in the pole head version, courtesy of the dedicated accessory for poles with a diameter of up to 61mm. Crafted from black powder-coated die-cast aluminium, it is available in four sizes and powers, with integrated power supply in the On/Off or DALI options, three types of optic (30°, 60° and asymmetrical) with a colour temperature of 4,000K (neutral white) and a colour rendering index of more than 80. Tough and durable, ELIA FL has been designed to withstand surges of up to 10KV and temperature variations from -30 °C to + 50 °C, and offers protection from water and dust penetration of up to level IP66 and from shocks and impacts of up to level IK08. ELIA FL is quick and easy to install thanks to its limited weight and adjustable bracket.

GENERAL INFORMATION

Context	Industry, Logistic, Façade, Sport
Luminaire	LED luminaire with small, mid and high lumen power
Application	Indoor / Outdoor
Unique digital code (Datamatrix)	Currently not present

Colour	Black
Type of light source	LED
System power	100 W
LED Lifetime	L80B50 (Tq25°) = 89.000h
Weight (kg)	3.9
Warranty	5 years
Stocking temperature	-40° +85°
Operating temperature	-30° +50°

MATERIALS

Body	Die-cast aluminium -
Shield type	Flat silked tempered glass 4mm thick with Gewiss logo

Optic	With high efficiency optic system
Gasket	-
Locking Hook	-
External screw	Stainless steel
Colour	Powder coating

STANDARDS AND APPROVALS

Classification	-
Device with reduced surface temperature	-
DIN 18032-3 certification	-
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08
Glow Wire Test	750 °C

OPTIC AND ILLUMINATING FEATURES

Optic	Asymmetrical
Unified Glare Rating	ULOR = 0%
Lumen output (lm)	13000
Efficiency (lm/W)	130
Colour temperature	4000 K
Color Rendering Index	CRI 80
Standard Deviation Colour Matching	SDCM = 5
Photobiological Risk Class	RG0
Standard	-

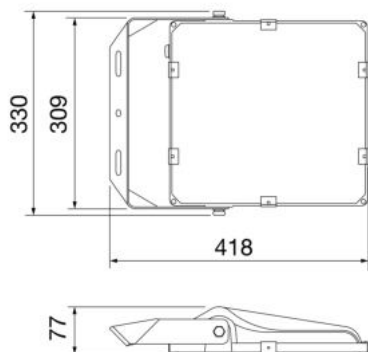
ELECTRICAL AND LIGHTING FEATURES

Supply voltage	100-240 V
Rated frequency (Hz)	50 / 60
Driver	Included
Driver failure rate	F10 = 80.000h Tq25°C
Overvoltage protection	Overvoltage protection 10-6kV

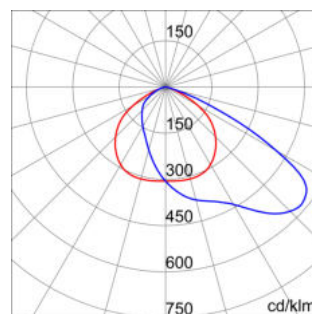
INSTALLATION AND MAINTENANCE

Control System	ON OFF
Mounting and installation	Ceiling - Wall - Floor
Tilt	With adjustable bracket assembled
Wiring	With power cable
Fixing	-
Light source replaceability	By professional
Controlgear replaceability	By professional
Driver Box	Built-in
Maximum surface exposed to the wind	0.1 m²

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

GWT
750 °C

STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 07/02/2023. 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. 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



Product Data Sheet

GWF1100MC840

ELIA FL - Floodlight LED