Product Data Sheet GWF1100GC830

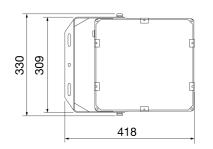
On request



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.

Context Industry, Logistic, Facade, Sport Optic Asymmetrical Luminaire LED luminaire with mid and high lumen power Optic Infled Giare Rating	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURE	S -
Application Indoor / Outdoor Lumen output (im) 6100 Unique digital code (Datamatrix) Currently not present Efficacy 132 Colour Black Colour temperature 3000 K Type of light source LED Colour Rendering Index CRI 80 System power 50 W Standard Deviation Colour Matching SDCM = 5 LED Lifetime L8050 (Tq25°) = 89.000h Photobiological Risk Class RG1 Weight (kg) 5 years Standard - Varranty 5 years Standard - Stocking temperature -40° +85° Supply voltage 100-240 V Operating temperature -30 +50° C Rated frequency (Hz) 50/60 Hz Shield type Flat silked tempered glass 4mm thick with Overvoltage protection Overvoltage protection Optic With high efficiency optic system Control System ON OFF Gasket - InstalLATION AND MAINTENANCE - Locking Hook - Kinnig and installation High-mast lighting - Wall mounting - Ground mounting and installation	Context	Industry, Logistic, Façade, Sport	Optic	Asymmetrical
ApplicationIndoor / OutdoorLumen output (Im)6100Unique digital code (Datamatrix)Currently not presentEfficacy132ColourBlackColour temperature3000 KType of light sourceLEDColour temperature3000 KSystem power50 WStandard Deviation Colour MatchingSDCM = 5LED LifetimeL8050 (Tq25°) = 99.000hPhotobiological Risk ClassRG1Weight (Kg)2.6Standard-Weight (Kg)2.6Standard-Operating temperature-40° +85°Supply voltage100-240 VOperating temperature-30 +50 °CRated frequency (Hz)506 HzStocking temperature-30 +50 °CRated frequency (Hz)506 HzShield typeFlat silked tempered glass 4mm thick with Gewiss logoOvervoltage protectionOvervoltage protection 6-4kVOpticWith high efficiency optic systemControl SystemOnt OFF-ColourPowder coatingWiringWith adjustable bracket assembled-ColourPowder coatingWiringWith adjustable bracket assembled-Colour Benerature-FixingColour Benerature-Control SystemOnt OFFGasket-IntWith adjustable bracket assembled-Colour Benerature-External screwStandard-Colour Benerature-Control SystemWith adjustable bracket assembled-Colour Benerature <td< td=""><td>Luminaire</td><td>LED luminaire with mid and high lumen</td><td>Unified Glare Rating</td><td>-</td></td<>	Luminaire	LED luminaire with mid and high lumen	Unified Glare Rating	-
Unique digital code (Datamatrix) Currently not present Efficacy 132 Colour Black Colour temperature 3000 K Type of light source LED Colour temperature 3000 K System power 50 W Standard Deviation Colour Matching SDCR = 5 LED Lifetime L80B50 (Tq25°) = 89.000h Photobiological Risk Class RG1 Weight (kg) 2.6 Standard Deviation Colour Matching SDCR = 5 Stocking temperature -40° +85° Supply voltage 100-240 V Operating temperature -30 +50 °C Rated frequency (Hz) 50/60 Hz MATERIALS Driver Included Included Body Flat silked tempered glass 4mm thick with Gasket Driver failure rate F10 = 80.000h Tq25°C Optic With high efficiency optic system Ontrol System ON OFF External screw Stainless steel Tit With adjustable bracket assembled Colour Powder coating Wiring - Classification - Light souce replaceability By professional Diver glageree IP66 - - -				
Colour Black Colour Rendering Index Calour Type of light source LED Colour Rendering Index CRI 80 System power 50 W Standard Deviation Colour Matching SDCM = 5 LED Lifetime L80050 (Tq25") = 89.000h Photobiological Risk Class RGI Weight (kg) 2.6 Standard Deviation Colour Matching SDCM = 5 Varranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -30 + 50 °C Rated frequency (Hz) 50/60 Hz Operating temperature -30 + 50 °C Rated frequency (Hz) 50/60 Hz Shield type Flat silked tempered glass 4rm thick with Gewiss logo Overvoltage protection Overvoltage protection -44/V Optic With high efficiency optic system Control System ON OFF - External screw Stainless steel Tit Woring With adjustable bracket assembled Control System - Colour Powder coality Witnig Witn adjustable bracket assembled - Colour Powder coality Witnig By prof		Indoor / Outdoor		
ColourBlackColour temperature3000 KType of light sourceLEDColour Rendering IndexCRI 80System powerS000 KStandard Deviation Colour MatchingSDCM = 5LED LifetimeL80850 (Tq25°) = 89.000hPhotobiological Risk ClassRG1Weight (kg)2.6Standard-System power5 yearsStandard-Stocking temperature-40° +85°Supply voltage100-240 VOperating temperature-30 +50 °CRated frequency (Hz)50/60 HzStocking temperature-30 +50 °CRated frequency (Hz)50/60 HzShield typeFlat silked tempered glass 4mm thick with Gewiss togOvervoltage protectionOvervoltage protectionShield typeFlat silked tempered glass 4mm thick with Gewiss togControl SystemOvervoltage protectionOvervoltage protectionOpticWith high efficiency optic systemControl SystemOntrol System-Locking Hook-InstallationHigh-mast lighting - Wall mounting - Ground mouting-Standard-External screwStainless steelTitWith adjustable bracket assembledColourPowder coatingWiringWith gla professional 	Unique digital code (Datamatrix)	Currently not present		132
Type of light source LED Colour Rendering Index CRI 80 System power 50 W Standard Deviation Colour Matching SDCM = 5 LED Lifetime L80850 (Tq25°) = 89.000h Photobiological Risk Class RG1 Weight (kg) 2.6 Standard - Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Operating temperature -40° +85° Supply voltage 100-240 V Operating temperature -30 +50 °C Rated frequency (Hz) 50/60 Hz Body Die-cast aluminum Driver Included Body Flat silked tempered glass 4nm thick with Overvoltage protection Overvoltage protection - Optic With high efficiency optic system Control System ON OFF - Casket - INSTALLATION AND MAINTENANCE - - Colour Powder coating Wring With adjustable bracket assembled Control System Control System Control system ON OFF Classification - INSTALLATION AND MAINTENANCE - - - Colour Powder coating Wring Writh			· · · ·	
System power50 WStandard Deviation Colour MatchingSDCM = 5LED LifetimeL80B50 (Tq25°) = 89.0000Photobiological Risk ClassRG1Weight (Kg)2.6Standard-Waranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-40° +85°Supply voltage100-240 VOperating temperature-36 +50°CRated frequency (Hz)50/60 HzBodyDie-cast aluminumDriver failure rateF10 = 80.000h Tq25°CShield typeFlat silked tempered glass 4mm thick with Gewiss logoOvervoltage protectionOvervoltage protectionOpticWith high efficiency optic systemINSTALLATION AND MAINTENANCE-Locking HookExternal screwStainless steelTiltWith adjustable bracket assembledColourPowder coatingFixingClassification-Light souce replaceabilityBy professionalDiN 18032-3 certification-Driver BoxBuilt sufface exposed to the wind0.05 rmIPEA-Maximum surface exposed to the wind0.05 rm-IPedagreeIP66IP degreeIP66IP degreeIP66IP degreeIP66With operatureIP66IP degreeIP66IP degreeIP66				
LED LifetimeL80B50 (Tq25°) = 89.000hPhotobiological Risk ClassRG1Weight (Kg)2.6Standard-Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-40° +85°Supply voltage100-240 VOperating temperature-30 +50 °CRated frequency (Hz)50/60 HzMATERIALSDie-cast aluminiumDriverIncludedBodyDie-cast aluminiumDriver failure rateF10 = 80.000h Tq25°OpticWith high efficiency optic systemOvervoltage protectionOvervoltage protection 6-4kVGasket-INSTALLATION AND MAINTENANCE-Locking Hook-TitWith adjustable bracket assembledColourPower OstageFixing-Standard-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Control Gear replaceabilityBy professionalDevice with reduced surface temperature-Driver failure surface exposed to the wind0.05 m²INS02-3 certification-Inviewed PlaceabilityBy professionalDevice with reduced surface temperature-Driver BoxBuiltinIPEA-INaximum surface exposed to the wind0.05 m²Insulation class-Inviewe surface exposed to the wind0.05 m²Insulation class-INAximum surface exposed to the wind0.05 m²IP degreeIP66IP degreeIP66<				
Weight (kg) 2.6 Standard - Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -40° +85° Supply voltage 100-240 V Operating temperature -30 +50 °C Rated frequency (Hz) 50/60 Hz MATERIALS Die-cast aluminium Driver failure rate F10 = 80.000h Tq25°C Shield type Flat silked tempered glass 4mm thick with Gewiss logo Overvoltage protection Overvoltage protection 6-4kV Optic With high efficiency optic system Control System ON OFF Gasket - INSTALLATION AND MAINTENANCE - Locking Hook - Tilt With adjustable bracket assembled Colour Powder coating Wiring With power cable - STANDARDS AND APPROVALS Fixing - - Classification Light souce replaceability By professional Diver sox Device with reduced surface temperature Control gare replaceability By professional DIN 18032-3 certification Elefth souce replaceability By professional DIN 18032-3 certification Inviere sox Built-in </td <td>System power</td> <td>50 W</td> <td>Standard Deviation Colour Matching</td> <td>SDCM = 5</td>	System power	50 W	Standard Deviation Colour Matching	SDCM = 5
Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -40° + 85° Supply voltage 100-240 V Operating temperature -30 + 50° C Rated frequency (Hz) 50/60 Hz MATERIALS Driver Included Body Die-cast aluminum Driver alure rate F10 = 80.000h Tq25°C Shield type Flat silked tempered glass 4mm thick with Cewiss logo Overvoltage protection Overvoltage protection 6-4kV Optic With high efficiency optic system Control System Overvoltage protection ON OFF Gasket INSTALLATION AND MAINTENANCE Noutring and installation High-mast lighting - Wall mounting - Ground mouting External screw Stainless steel Tilt With adjustable bracket assembled Colour Powder coable Wiring Uprice replaceability By professional Device with reduced surface temperature - Control gear replaceability By professional Device with reduced surface temperature 0 Ordrogear replaceability By professional Device with reduced surface temperature 0 Ontrol gear replaceability By professional Device	LED Lifetime	L80B50 (Tq25°) = 89.000h	Photobiological Risk Class	RG1
Stocking temperature-40° +85° -30 +50 °CSupply voltage100-240 VOperating temperature-30 +50 °CRated frequency (Hz)50/60 HzMATERIALSDie-cast aluminiumDriverIncludedBodyDie-cast aluminiumDriver failure rateF10 = 80.000h Tq25°CShield typeFlat silked tempered glass 4mm thick with Gewiss logoOvervoltage protectionOvervoltage protection 6-4kVOpticWith high efficiency optic systemControl SystemON OFFLocking HookInstallationHigh-mast lighting - Wall mounting - Ground mouting-External screwStainless steelTiltWith adjustable brackt assembled With adjustable brackt assembledClourPowder coatingFixing-Classification-Light souce replaceabilityBy professional Device with reduced surface temperature-Din 18032-3 certification-Driver BoxBuilt-in IncludeIPEA-Includes exposed to the wind0.05 m²Insulation class1Includes exposed to the wind0.05 m²IPedereeIP66Mechanical resistanceIK08	Weight (kg)	2.6	Standard	-
Operating temperature-30 +50 °CRated frequency (Hz)50/60 HzMATERIALSDriverDriverIncludedBodyDie-cast aluminium -Driver failure rateF10 = 80.000h Tq25 °CShield typeFlat silked tempered glass 4mm thick with Gewiss logoOvervoltage protectionOvervoltage protection 6-4kVOpticWith high efficiency optic systemControl SystemON OFFGasketINSTALLATION AND MAINTENANCE-Locking HookMounting and installationHigh-mast lighting - Wall mounting - Ground moutingExternal screwStainless steelTiltWith adjustable bracket assembled ColourClassificationPowder coating UringWiringWith adjustable bracket assembled By professionalDevice with reduced surface temperature-Control gear replaceabilityBy professional By professionalDIN 18032-3 certificationIMaximum surface exposed to the wind0.05 m²Insulation classIMaximum surface exposed to the wind0.05 m²Insulation classIMaximum surface exposed to the wind0.05 m²IP degreeIP66Mechanical resistanceIK08	Warranty	5 years	ELETRICAL AND LIGHTING FEATURE	- S
MATERIALS Driver Included Body Die-cast aluminium - Driver failure rate F10 = 80.000h Tq25°C Shield type Flat silked tempered glass 4mm thick with Gewiss logo Overvoltage protection Overvoltage protection Optic With high efficiency optic system Control System ON OFF Gasket - INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation High-mast lighting - Wall mounting - Ground mouting External screw Stainless steel Tilt With adjustable bracket assembled Colour Powder coating Wiring With power cable STANDARDS AND APPROVALS - Light souce replaceability By professional DiN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.05 m² Insulation class 1 - - IP degree IP66 - - Mechanical resistance IK08 - -	Stocking temperature			100-240 V
BodyDie-cast aluminium - Shield typeDirver failure rateF10 = 80.00h Tq25°CShield typeFlat silked tempered glass 4mm thick with Gewiss logoOvervoltage protectionOvervoltage protection 6-4kVOpticWith high efficiency optic systemControl SystemON OFFGasket-INSTALLATION AND MAINTENANCE-Locking HookMounting and installationHigh-mast lighting - Wall mounting - Ground mouting-External screwStainless steelTiltWith adjustable bracket assembledColourPowder coatingWiringWith adjustable bracket assembledClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Control gear replaceabilityBy professionalDIN 18032-3 certification-Driver BoxBuilt-inIPEAMaximum surface exposed to the wind0.05 m²IP degreeIP66Mechanical resistanceIK08	Operating temperature	-30 +50 °C	Rated frequency (Hz)	50/60 Hz
Shield type Flat silked tempered glass 4mm thick with Gewiss logo Overvoltage protection Overvoltage protection Overvoltage protection 6-4kV Optic With high efficiency optic system Control System ON OFF Gasket - INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation High-mast lighting - Wall mounting - Ground mouting External screw Stainless steel Tilt With adjustable bracket assembled Colour Powder coating Wiring With adjustable bracket assembled Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability Built-in IPEA - Maximum surface exposed to the wind 0.05 m² Insulation class 1 - - IP degree IP66 - - Mechanical resistance IK08 - -	MATERIALS	-	Driver	Included
Optic With high efficiency optic system Control System ON OFF Gasket - INSTALLATION AND MAINTENANCE - Locking Hook - INSTALLATION AND MAINTENANCE - External screw Stainless steel Tilt With adjustable bracket assembled Colour Powder coating Wiring With adjustable bracket assembled Classification - Light souce replaceability By professional Device with reduced surface temperature - Control gear replaceability Built-in IPEA - Maximum surface exposed to the wind 0.05 m² - IP degree IP66 - - -	Body	Die-cast aluminium -	Driver failure rate	F10 = 80.000h Tq25°C
Gasket - INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation High-mast lighting - Wall mounting - Ground mouting External screw Stainless steel Tilt With adjustable bracket assembled Colour Powder coating Wiring With adjustable bracket assembled STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.05 m ² IP degree IP66 - - Mechanical resistance IK08 - -	Shield type		Overvoltage protection	Overvoltage protection 6-4kV
Locking Hook-Mounting and installationHigh-mast lighting - Wall mounting - Ground moutingExternal screwStainless steelTiltWith adjustable bracket assembledColourPowder coatingWiringWith adjustable bracket assembledSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certification-Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.05 m²Insulation class1IP degreeIP66Mechanical resistanceIK08	Optic	With high efficiency optic system	Control System	ON OFF
moutingExternal screwStainless steelTiltWith adjustable bracket assembledColourPowder coatingWiringWith adjustable bracket assembledSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certification-Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.05 m²Insulation class1IP degreeIP66Mechanical resistanceIK08	Gasket	- · · · · · -	INSTALLATION AND MAINTENANCE	-
External screwStainless steelTiltWith adjustable bracket assembledColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certification-Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.05 m²Insulation class1IP degreeIP66Mechanical resistanceIK08	Locking Hook	-	Mounting and installation	
ColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certification-Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.05 m²Insulation classIIP degreeIP66Mechanical resistanceIK08	External screw	Stainless steel	Tilt	J
STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.05 m ² Insulation class - - - IP degree IP66 - - Mechanical resistance IK08 - -	Colour	Powder coating	Wiring	,
Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.05 m ² Insulation class 1 - - IP degree IP66 - Mechanical resistance IK08 -	STANDARDS AND APPROVALS	-	5	
Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.05 m² Insulation class I - - IP degree IP66 - Mechanical resistance IK08 -		-	3	By professional
DIN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.05 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	Device with reduced surface temperatu	ire -		
IPEA - Maximum surface exposed to the wind 0.05 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -		-		
Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	IPEA	-	Maximum surface exposed to the wind	0.05 m²
IP degree IP66 - Mechanical resistance IK08 -		1	·····	
Mechanical resistance IK08 -		IP66		
Glow Wire Test 750 °C -		IK08		-
	Glow Wire Test	750 °C		

DIMENSIONAL

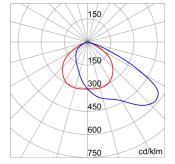








PHOTOMETRIC DISTRIBUTION



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 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

Product Data Sheet GWF1100GC830

On request

STANDARDS/APPROVALS

