

# Product Data Sheet GWF2300LR857

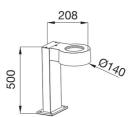
ELIA BL



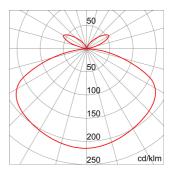
ELIA BL is a die-cast aluminum luminaire for ground mounting, ideal for bollard lighting in residential areas and passageways. Designed in two different sizes (500mm and 700mm) with opal diffusing polycarbonate diffuser with double high and low emission) to create a comfortable atmosphere, color temperatures 3,000K, 4,000K and 5,700K and a color rendering index greater than 80. It has been designed to withstand temperature variations from -20 ° C to +45 ° C, water and dust penetration up to IP65 degree and shocks up to IK08 degree. ELIA BL is easy to install thanks to the ground anchoring system with 4 blocking plugs.

Context     Outdoor architectural lighting     Optic     Wide opal       Luminaire     LED luminaire or external     Lumen output (m)     680       Application     External     Lumen output (m)     680       Unique digital code (Datamatrix)     Currently not present     Efficacy     85       Colour     Black     Colour temperature     5700 K       Type of light source     LED     Colour temperature     CRI8 00       System power     8 W     Standard Deviation Colour Matching     SDCM = 5       LED Lifetime     L80B50 (Tq25°) = 50.000h     Photobiological Risk Class     RG0       Warranty     5 years     ELETRICAL AND LIGHTING FEATURES     -       Varranty     5 years     ELETRICAL AND LIGHTING FEATURES     -       Stocking temperature     -20° +45°     Suply voltage     100-240 V       Operating temperature     -20° +45°     Rated frequency (Hz)     50/60 Hz       MATERIALS     -     Driver failure rate     F025 (Tq=25°C) = 50.000 h       Driver failure rate     F025 (Tq=25°C) = 50.000 h     Svetem     ON/ OFF       Gasket     -	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATUR	RES -
ApplicationExternalLumen output (Im)680Unique digital code (Datamatrix)Currently not presentEffaccy85ColourBlackColour temperature5700 KType of light sourceLEDColour remperature5700 KSystem power& WStandard Deviation Colour MatchingSDCM = 5LED LifetimeL80B50 (Tq25°) = 50.000hPhotobiological Risk ClassRG0Weight (kg)1.72StandardEN 60598-1; EN 60598-2-1; IEC/TR 62778; ENWarranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-20° +45°Sudel frequency (Hz)50/60 HzMATERIALS-DriverBuilt-inBodyDie-cast aluminiumDriver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonateOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OF -Gasket-INSTALLATION AND MAINTENANCE-ColourPowder coatingWiringGround anchorage using 4 expansion plugsColourPowder coatingWiringGround anchorage using 4 expansion plugsClassification-Light souce replaceabilityNon-replaceableDiver Backet-Control gear replaceabilityNon-replaceableDiver Backet-FixingGround anchorage using 4 expansion plugsClassification-Light souce replaceabilityNon-replaceableDiver Box And APPROVALS-Fixin	Context	Outdoor architectural lighting	Optic	Wide opal
Unique digital code (Datamatrix)Currently not presentEffaccy85ColourBlackColour temperature5700 KColour of light sourceLEDColour temperature5700 KSystem power8 WStandard Deviation Colour MatchingSDC R = 5Keystem powerLB0D50 (Tq25°) = 50.000hPhotobiological Risk ClassRG0Weight (kg)1.72StandardEN 60598-1; EN 60598-2-1; IEC/TR 62778; ENWaranty5 yearsELETRICAL AND LIGHTING FEATURES-Varanty5 yearsSupply voltage100-240 VOperating temperature-20° +45°Supply voltage100-240 VOperating temperature-20° +45°Supply voltage00-240 VOperating temperature-20° +45°Supply voltage00-240 VStocking temperature-20° +45°Supply voltage00-240 VOpticBi-emission polycarbonateOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonateOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonateOvervoltage protectionDM 0,5KV / CM 1KVColourPowder coableTilt-ColourPowder coableWith power cable-StanDARDS AND APPROVALS-FixingGround anchorage using 4 expansion plugsDIN 18032-3 certification-Light souce replaceabilityNon-replaceableDIN 18032-3 certificationNot availableTiver BoxBuilt-inIPEAGreen AreasMaximum surf	Luminaire	LED luminaire for external lighting	Unified Glare Rating	UGR ≤ 25
Colour   Black   Colour temperature   5700 K     Colour   Black   Colour temperature   5700 K     System power   BW   Standard Deviation Colour Matching   SDCM = 5     LED Lifetime   L80850 (Tq25°) = 50.000h   Photobiological Risk Class   RGO     Weight (kg)   1.72   Standard   EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493     Warranty   System   Standard   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -20° +65°   Supply voltage   100-240 V   62493     MatTERIALS   -   Standard   ELETRICAL AND LIGHTING FEATURES   -     Body   Die-cast aluminium   Driver   Supply voltage   100-240 V     Sheid type   Polycarbonate   Overvoltage protection   DM 0,5KV / CM 1KV     Optic   Bi-emission polycarbonate   Overvoltage protection   DM 0,5KV / CM 1KV     Colour   Powder coating   Wiring   With power cable     Stanleds steel   ITit   -     Colour   Powder coating   Wiring   Ground anchorage using 4 expansion plugs     Stanlestree   Controlgear replaceability   Non	Application	External	Lumen output (Im)	680
ColourBlackColour temperature5700 KType of light sourceLEDColour temperature5700 KSystem power8 WStandard Deviation Colour MatchingSDCH = 5LED LifetimeL80B50 (Tq25°) = 50.000hPhotobiological Risk ClassRG0Weight (kg)1.72Standard Deviation Colour MatchingSDCHWarranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-20° +65°Supply voltage100-240 VOperating temperature-20° +45°Rated frequency (Hz)50/60 HzMATERIALSDriverDiver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonateOvervoltage protectionDM 0,5KV / OK 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OFFGasket-Mounting and installationEarthColourPowder coatingWiringWith power cableOptic with reduced surface temperature-Control SystemON / OFFGasket-Mounting and installationEarthColourPowder coatingWiringWith power cableDevice with reduced surface temperature-Control gear replaceabilityNon-replaceableDevice with reduced surface temperature-Control gear replaceabilityNon-replaceableDiN 18032-3 certificationNot availableDriver BoxBuilt-inIPEAGreen AreasMaximum surface exposed to the wind-Insulation classIIPe<	Unique digital code (Datamatrix)	Currently not present	Efficacy	85
Type of light sourceLEDColour Rendering IndexCRI 80System power8 WStandard Deviation Colour MatchingSDCM = 5LED LifetimeL80B50 (Tq25°) = 50.000 hPhotobiological Risk ClassRG0Weight (kg)1.72Standard Deviation Colour MatchingSDCM = 5Warranty5 yearsELETRICAL AND LIGHTING FEATURES62493Stocking temperature-20° +65°Supply voltage100-240 VOperating temperature-20° +65°Supply voltage100-240 VBodyDie-cast aluminiumDriver failure rateF025 (Tq=25°C) = 50.000 hShild typeOplocatonate diffuserOvervoltage protectionDM / OFKGasketItist Control SystemON / OFFColourPowder coatingTilt-ColourPowder coatingFixingGround ancharce usingStandard Sace temperatureOpticBi-emission polycarbonateWiringWith power cableColourPowder coatingTilt-ColourPowder coatingFixingGround ancharge using 4 expansion polycarbonateColourPowder coatingFi			(Im/W)	
System power8 WStandard Deviation Colour MatchingSDCM = 5LED LifetimeL80B50 (Tq25°) = 50.000hPhotobiological Risk ClassRG0Weight (kg)1.72StandardEN 60598-1; EN 60598-2-1; IEC/TR 62778; ENWarranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-20° +65°Supply voltage100-240 VOperating temperature-20° +45°Rated frequency (Hz)50/60 HzBodyDie-cast aluminum-DriverBuilt-inBodyDie-cast aluminum-Driver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonateOvervoltage protectionDM 0,5KV/ CM 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OFFGasket-INSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationEarthColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-FixingGround anchorage using 4 expansion plugsClassificationNot availableDriver BoxBuiltIPEAGreen Areas BMaximum surface exposed to the wind-IPEAGreen Areas BMaximum surface exposed to the wind-IPedgreeIP65IP degreeIP65WartanceIP65IP degreeIP65IP degreeIP65IP degree	Colour	Black	Colour temperature	
LED LifetimeL80B50 (Tq25°) = 50.00hPhotobiological Risk ClassRG0Weight (kg)1.72StandardEN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-20° +65°Supply voltage100-240 VOperating temperature-20° +65°Supply voltage100-240 VBodyDie-cast aluminumDriverBuilt-inBodyDie-cast aluminumDriver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonate diffuserOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OFFLocking Hook-InstallationEarthExternal screwStainless steelTit-ColourPowder coatingWiringWith power cableDevice with reduced surface temperature-Control SystemNon-replaceableDevice with reduced surface temperature-Control Green Areas BMaximum surface exposed to the windIPEAGreen Areas BMaximum surface exposed to the wind-IPdegreeIP65IP degreeIP65-IP degreeIP65-IP degreeIP65-IP degreeIP65-IP degreeIP65-IP degreeIP65-IP degreeIP65-IP degreeIP65-IP degreeIP65- <td< td=""><td>Type of light source</td><td>LED</td><td>Colour Rendering Index</td><td>CRI 80</td></td<>	Type of light source	LED	Colour Rendering Index	CRI 80
Weight (kg)   1.72   Standard   EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   62493     Stocking temperature   -20° +65°   Supply voltage   100-240 V     Operating temperature   -20° +45°   Rated frequency (Hz)   50/60 Hz     MATERIALS   Driver   Built-in     Body   Die-cast aluminium   Driver failure rate   F025 (Tq=25°C) = 50.000 h     Shield type   Polycarbonate   Overvoltage protection   DM 0,5KV / CM 1KV     Optic   Bi-emission polycarbonate difuser   Control System   ON / OFF     Locking Hook   -   Mounting and installation   Earth     External screw   Stainless steel   Tilt   -     Colour   Powder coating   Wiring   With power cable     Device with reduced surface temperature   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   Green Areas B   Maximum surface exposed to the wind   -     IPEA   Green Areas B   Maximum surface exposed to the wind   -   -     IPdegree   IP65   -   -	System power	8 W	Standard Deviation Colour Matching	SDCM = 5
Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   62493     Varranty   5 years   Supply voltage   100-240 V     Stocking temperature   -20° +45°   Supply voltage   100-240 V     Operating temperature   -20° +45°   Rated frequency (Hz)   50/06 Hz     MATERIALS   Driver   Built-in     Body   Die-cast aluminium   Driver failure rate   F025 (Tq=25°C) = 50.000 h     Shield type   Polycarbonate   Overvoltage protection   DM 0,5KV / CM 1KV     Optic   Bi-emission polycarbonate diffuser   Control System   ON / OFF     Gasket   -   Mounting and installation   Earth     External screw   Stainless steel   Tilt   -     Colour   Powder coating   Wiring   Ground anchorage using 4 expansion plugs     Classification   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   -   Control gare replaceability   Non-replaceable     Diver Box   Insultation   Earth   -   -     Insulation class   1   -   -     Ipegree   IP65	LED Lifetime	L80B50 (Tq25°) = 50.000h	Photobiological Risk Class	RG0
Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-20° +65°Supply voltage100-240 VOperating temperature-20° +45°Rated frequency (Hz)50060 HzMATERIALS-DriverBuilt-inBodyDie-cast aluminiumDriver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonateOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OFFGasket-INSTALLATION AND MAINTENANCE-Locking Hook-Mouting and installationEarthExternal screwStainless steelTilt-ColourPowder coatingWiringWith power cableDevice with reduced surface temperature-Control Gyear replaceabilityNon-replaceableDevice with reduced surface temperature-Control gear replaceabilityNon-replaceableDevice with reduced surface temperature-Maximum surface exposed to the wind-Insulation class1Ip degreeIP65Mechanical resistanceIK08	Weight (kg)	1.72	Standard	EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN
Stocking temperature-20° +65°Supply voltage100-240 VOperating temperature-20° +45°Rated frequency (Hz)50/60 HzMATERIALS-DriverBuilt-inBodyDie-cast aluminium-Driver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonateOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OFFGasket-INSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationEarthExternal screwStainless steelTilt-ColourPowder coatingWiringWith power cableStainless steelFixingGround anchorage using 4 expansion plugsClassificationNot availableDriver BoxBuilt-inIPEAGreen Areas BMaximum surface exposed to the wind-Insulation classIIP degreeIP65IP degreeIK08				
Operating temperature-20° +45°Rated frequency (Hz)50/60 HzMATERIALSDriverBuilt-inBodyDie-cast aluminium -Driver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonateOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OFLocking Hook-INSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationEarthExternal screwStainless steelTilt-ColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureNot availableDriver BoxBuilt-inIPEAGreen Areas BMaximum surface exposed to the wind-Insulation classIIIP degreeIP65Mechanical resistanceIK08			ELETRICAL AND LIGHTING FEATU	
MATERIALS   -   Driver   Built-in     Body   Die-cast aluminium -   Driver failure rate   F025 (Tq=25°C) = 50.00 h     Shield type   Polycarbonate   Overvoltage protection   DM 0,5KV / CM 1KV     Optic   Bi-emission polycarbonate diffuser   Control System   ON 0,5KV / CM 1KV     Casket   -   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Earth     External screw   Stainless steel   Tilt   -     Colour   Powder coating   Wiring   With power cable     STANDARDS AND APPROVALS   -   Exigns   Ground anchorage using 4 expansion plugs     Classification   -   Light souce replaceability   Non-replaceable     Driver Box   -   Controlgear replaceability   Non-replaceable     DIN 18032-3 certification   Not available   Driver Box   Built-in     IPEA   Green Areas B   Maximum surface exposed to the wind   -     Insulation class   I   -   -     IP degree   IP65   -   -     Mechanical resistance   IK08   -		-20° +65°		100-240 V
BodyDie-cast aluminium - Driver failure rateF025 (Tq=25°C) = 50.000 hShield typePolycarbonateOvervoltage protectionDM 0,5KV / CM 1KVOpticBi-emission polycarbonate diffuserControl SystemON / OFFGasket-INSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationEarthExternal screwStainless steelTilt-ColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-FixingGround anchorage using 4 expansion plugsClassification-Light souce replaceabilityNon-replaceableDriver BoxControl SearceDriver BoxBuilt-inIPEAGreen AreasMaximum surface exposed to the wind-IP degreeIP65Mechanical resistanceIK08		-20° +45°		
Shield type   Polycarbonate   Overvoltage protection   DM 0,5KV / CM 1KV     Optic   Bi-emission polycarbonate diffuser   Control System   ON / OFF     Gasket   -   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Earth     External screw   Stainless steel   Tilt   -     Colour   Powder coating   Wiring   With power cable     STANDARDS AND APPROVALS   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   -   Control Sear   Built-in     IPEA   Green Areas   Maximum surface exposed to the wind   -     IP degree   IP65   -   -     Mechanical resistance   IK08   -   -	MATERIALS	-		
OpticBi-emission polycarbonate diffuserControl SystemON / OFFGasketINSTALLATION AND MAINTENANCE-Locking HookMounting and installationEarthExternal screwStainless steelTiltColourPowder coatingWiringSTANDARDS AND APPROVALSFixingGround anchorage using 4 expansion plugsClassificationLight souce replaceabilityNon-replaceableDevice with reduced surface temperatureOt availableDriver BoxIPEAGreen AreasMaximum surface exposed to the wind-Insulation classIIP degreeIP65Mechanical resistanceIK08	Body	Die-cast aluminium -	Driver failure rate	F025 (Tq=25°C) = 50.000 h
Gasket   -   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Earth     External screw   Stainless steel   Tilt   -     Colour   Powder coating   Wiring   With power cable     STANDARDS AND APPROVALS   -   Fixing   Ground anchorage using 4 expansion plugs     Classification   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   -   Controlgear replaceability   Non-replaceable     DIN 18032-3 certification   Not available   Driver Box   Built-in     IPEA   Green Areas B   Maximum surface exposed to the wind   -     Insulation class   1   -   -     IP degree   IP65   -   -     Mechanical resistance   IK08   -   -	Shield type	Polycarbonate	Overvoltage protection	DM 0,5KV / CM 1KV
Locking Hook-Mounting and installationEarthExternal screwStainless steelTilt-ColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-FixingGround anchorage using 4 expansion plugsClassification-Light souce replaceabilityNon-replaceableDevice with reduced surface temperature-Controlgear replaceabilityNon-replaceableDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEAGreen Areas BMaximum surface exposed to the wind-Insulation classI-IP degreeIP65-Mechanical resistanceIK08-	Optic	Bi-emission polycarbonate diffuser		
External screwStainless steelTilt-ColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-FixingGround anchorage using 4 expansion plugsClassification-Light souce replaceabilityNon-replaceableDevice with reduced surface temperature-Controlgear replaceabilityNon-replaceableDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEAGreen Areas BMaximum surface exposed to the wind-IP degreeIP65-Mechanical resistanceIK08-	Gasket	-	INSTALLATION AND MAINTENANC	E
ColourPowder coatingWiringWith power cableSTANDARDS AND APPROVALS-FixingGround anchorage using 4 expansion plugsClassification-Light souce replaceabilityNon-replaceableDevice with reduced surface temperature-Controlgear replaceabilityNon-replaceableDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEAGreen Areas BMaximum surface exposed to the wind-Insulation classIP degreeIP65Mechanical resistanceIK08	Locking Hook	-	Mounting and installation	Earth
STANDARDS AND APPROVALS   -   Fixing   Ground anchorage using 4 expansion plugs     Classification   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   -   Controlgear replaceability   Non-replaceable     DIN 18032-3 certification   Not available   Driver Box   Built-in     IPEA   Green Areas   Maximum surface exposed to the wind   -     Insulation class   -   -   -     IP degree   IP65   -   -     Mechanical resistance   IK08   -   -	External screw	Stainless steel		-
Classification   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   -   Controlgear replaceability   Non-replaceable     DIN 18032-3 certification   Not available   Driver Box   Built-in     IPEA   Green Areas   Maximum surface exposed to the wind   -     Insulation class   1   -   -     IP degree   IP65   -     Mechanical resistance   IK08   -	Colour	Powder coating	Wiring	With power cable
Device with reduced surface temperature - Controlgear replaceability Non-replaceable   DIN 18032-3 certification Not available Driver Box Built-in   IPEA Green Areas B Maximum surface exposed to the wind -   Insulation class I -   IP degree IP65 -   Mechanical resistance IK08 -	STANDARDS AND APPROVALS	-	Fixing	Ground anchorage using 4 expansion plugs
DIN 18032-3 certification Not available Driver Box Built-in   IPEA Green Areas B Maximum surface exposed to the wind -   Insulation class I -   IP degree IP65 -   Mechanical resistance IK08 -	Classification	-	Light souce replaceability	Non-replaceable
IPEA Green Areas B Maximum surface exposed to the wind -   Insulation class I -   IP degree IP65 -   Mechanical resistance IK08 -	Device with reduced surface temperature	-	Controlgear replaceability	Non-replaceable
Insulation class I -   IP degree IP65 -   Mechanical resistance IK08 -	DIN 18032-3 certification	Not available	Driver Box	Built-in
IP degree IP65 -   Mechanical resistance IK08 -	IPEA	Green Areas B	Maximum surface exposed to the wind	- 1
Mechanical resistance IK08 -	Insulation class	I		
Mechanical resistance IK08 -	IP degree	IP65		-
Glow Wire Test     750 °C     -	Mechanical resistance	IK08		-
	Glow Wire Test	750 °C		-

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



IP

IP65

## **TECHNICAL SYMBOLOGY**







IK	GWT
IK08	750 °C

#### STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 23/04/2024. 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 1