

### Product Data Sheet

### GWF2300PR840

ELIA BL - Bollard LED

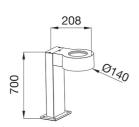


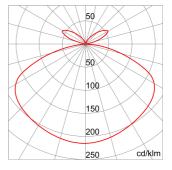
ELIA BL is a die-cast aluminum luminaire for ground mounting, ideal for bollard lighting in residential areas and passageways. Designed in two different sizes (500mm and 700mm) with opal diffusing polycarbonate diffuser with double high and low emission) to create a comfortable atmosphere, color temperatures 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.

Luminaire         LED luminaire for external lighting         Unified Glare Rating         UGR ≤ 25           Application         External         Lumen output (Irm)         650           Unique digital code (Datamatrix)         Currently not present (IrmW)         Efficacy         81           Colour         Black         Colour temperature         4000 K           Type of light source         LED         Colour Rendering Index         CRI 80           System power         8 W         Standard Deviation Colour Matching         SDCM = 5           LED Lifetime         L80B50 (Tq25°) = 50,000 h         Photobiogical Risk Class         RG0           Weight (kg)         2.15         Standard Deviation Colour Matching         SDCM = 5           Warranty         5 years         Standard Deviation Colour Matching         RG0           Warranty         5 years         Standard Deviation Colour Matching         RG0           Warranty         5 years         Standard Deviation Colour Matching         RG0           Varranty         5 years         Standard Deviation Colour Matching         NG0598-2-1; IEC/TR 62778; EN           Stocking temperature         -20° +65°         Operating temperature         -30° +45°           Driver Fallure rate         F025 (Tq=25°C) = 50,000 h         Shield type	GENERAL INFORMATION	_	OPTIC AND ILLUMINATING FEATU	RES -
Application	Context	Outdoor architectural lighting	Optic	Wide opal
	Luminaire	LED luminaire for external lighting	Unified Glare Rating	UGR ≤ 25
Colour	Application	External	Lumen output (lm)	650
Colour         Black Type of light source         Colour temperature         4000 K Colour temperature         4000 K Colour temperature         4000 K Colour temperature         Colour temperature         4000 K Colour Matching         CR18 80 Colour Matching         SDCM = 5 Standard Deviation Colour Matching	Unique digital code (Datamatrix)	Currently not present		81
Colour Rendering Index				
System power   S W   Standard Deviation Colour Matching   SDCM = 5	Colour			
LÉD Lifetime L80B50 (Tq25°) = 50.000h Weight (kg) 2.15 Standard EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 62493 EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 62493 EN 60598-1; EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-1; EN 60598-1; EN 60598-2-1; IEC/TR 62778; EN 62493 EN 60598-2-1; IEC/TR 6278; EN 62493 EN 60598-2-1; IEC/TR 6278; EN 62493 EN 6249	Type of light source	LED		CRI 80
Meight (kg)   2.15	System power	8 W	Standard Deviation Colour Matching	SDCM = 5
Marranty 5 years ELETRICAL AND LIGHTING FEATURES - 5 Constitution of the product	LED Lifetime	L80B50 (Tq25°) = 50.000h	Photobiological Risk Class	RG0
Syears   Syears   Syears   Syears   Stocking temperature   -20° +65°   Operating temperature   -20° +45°     Rated frequency (Hz)   50/60 Hz   MATERIALS   -20° +45°     Rote frequency (Hz)   50/60 Hz   MATERIALS   -20° +45°     Driver failure rate   F025 (Tq=25°C) = 50.000 h   Shield type   Die-cast aluminium -   Driver failure rate   F025 (Tq=25°C) = 50.000 h   Shield type   Shield type   Polycarbonate     Driver failure rate   F025 (Tq=25°C) = 50.000 h   Shield type   Shield type   Shield type   Polycarbonate diffuser     Driver failure rate   F025 (Tq=25°C) = 50.000 h   Shield type   Shield type   Shield type   Shield type     Driver System   ON / OFF   Gasket   -1	Weight (kg)	2.15	Standard	
Stocking temperature -20° +65° Operating temperature -20° +45° Rated frequency (Hz) 50/60 Hz Briter   S0/60 Hz Driver   S0/60 Hz   Body   Die-cast aluminium - Driver failure rate   F025 (Tq=25°C) = 50.000 h Optice   Shield type   Shield type   Siemission polycarbonate diffuser   Optice   Standard St				
Rated frequency (Hz) 50/60 Hz Built-in Driver failure rate F025 (Tq=25°C) = 50.000 h Overvoltage protection DM 0,5KV / CM 1KV Optic Bi-emission polycarbonate diffuser Overvoltage protection System ON / OFF ON STALLATION AND MAINTENANCE	Warranty			
Driver failure rate F025 (Tq=25°C) = 50.000 h Driver foilure rate F025 (Tq=25°C) = 50.000 h Driver Sox F025 (Tq=25°C) = 50.000 h Driver Box F0				-20° +45°
Driver failure rate F025 (Tq=25°C) = 50.000 h Overvoltage protection DM 0,5KV / CM 1KV Control System ON / OFF INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Earth Tilt - Colour System With power cable Fixing Ground anchorage using 4 expansion plugs Light souce replaceability Non-replaceable Driver Box Maximum surface exposed to the wind Maximum surface exposed t				-
Overvoltage protection DM 0,5KV / CM 1KV Optic Bi-emission polycarbonate diffuser Control System ON / OFF INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Earth External screw Stainless steel Tilt - Colour Powder coating Wiring With power cable Fixing Ground anchorage using 4 expansion plugs Light souce replaceability Non-replaceable Controlgear replaceability Non-replaceable Driver Box Built-in Maximum surface exposed to the wind Powder Stainless Steel Tile Accordance StanDARDS AND APPROVALS - Classification - DiN1 18032-3 certification Not available Driver Box Built-in IPEA Green Areas B Maximum surface exposed to the wind Pipe StanDards StanD	Driver		•	
Control System ON / OFF INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Earth Tilt - Colour Powder coating Wiring Wiring Ground anchorage using 4 expansion plugs Light souce replaceability Non-replaceable Controlgear replaceability Non-replaceable Driver Box Built-in Maximum surface exposed to the wind - Insulation Class Insulation class - IPEA Green Areas B Mechanical resistance - IPG Mechanical resistance - IK08		\ 1 /	, ·	•
Stainless steel   Earth   External screw   Stainless steel	Overvoltage protection	DM 0,5KV / CM 1KV	Optic	Bi-emission polycarbonate diffuser
Mounting and installation  Earth Tilt  Colour Powder coating Wiring Wiring Wiring Ground anchorage using 4 expansion plugs Light souce replaceability Non-replaceable Controlgear replaceability Non-replaceable Driver Box Maximum surface exposed to the wind  Insulation class  External screw Stainless steel Colour STANDARDS AND APPROVALS  Classification Classification Device with reduced surface temperature Device with reduced surface temperature Diln 18032-3 certification Not available IPEA Green Areas B Maximum surface exposed to the wind  Insulation class I ple degree IP65 Mechanical resistance IK08	Control System	ON / OFF	Gasket	-
Tilt - Colour Powder coating Wiring With power cable Fixing Ground anchorage using 4 expansion plugs Light souce replaceability Non-replaceable Controlgear replaceability Non-replaceable Driver Box Built-in Maximum surface exposed to the wind Powder Standard Report Stan	INSTALLATION AND MAINTENANCE	<u>-</u>	Locking Hook	-
Wiring With power cable Fixing Ground anchorage using 4 expansion plugs Light souce replaceability Non-replaceable Driver Box Maximum surface exposed to the wind Facility Fixed Fix	Mounting and installation	Earth	External screw	Stainless steel
Fixing Ground anchorage using 4 expansion plugs  Light souce replaceability Non-replaceable Controlgear replaceability Non-replaceable Driver Box Built-in Maximum surface exposed to the wind Insulation class IP65  - Wechanical resistance IP65  - Mechanical resistance IP65  - Insulation IP65  - Mechanical resistance IP65	Tilt	<u>-</u>	Colour	Powder coating
plugs Light souce replaceability Non-replaceable Oriver Box Maximum surface exposed to the wind Device with reduced surface temperature DiN 18032-3 certification DiN 18032-3 certification DiN 18032-3 certification Not available DiPEA Green Areas B IPEA IP degree IP65 Bechanical resistance IK08	Wiring	With power cable	STANDARDS AND APPROVALS	<u>-</u>
Light souce replaceability Non-replaceable Controlgear replaceability Non-replaceable Diver Box Maximum surface exposed to the wind	Fixing	Ground anchorage using 4 expansion	Classification	-
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		1 0		
Driver Box         Built-in         IPEA         Green Areas B           Maximum surface exposed to the wind         -         Insulation class         I           -         IP degree         IP65           -         Mechanical resistance         IK08	Light souce replaceability	Non-replaceable	Device with reduced surface tempera	ture -
Maximum surface exposed to the wind         -         Insulation class         I           -         IP degree         IP65           -         Mechanical resistance         IK08	Controlgear replaceability	Non-replaceable		Not available
- IP degree IP65 - Mechanical resistance IK08	Driver Box	Built-in	IPEA	Green Areas B
- Mechanical resistance IK08	Maximum surface exposed to the wind		Insulation class	
				IP65
- Glow Wire Test 750 °C		<u>-</u>		
CIOW WITC TOST		-	Glow Wire Test	750 °C

### **DIMENSIONAL**

## PHOTOMETRIC DISTRIBUTION





#### **TECHNICAL SYMBOLOGY**













IP IP65 IK IK08 **GWT** 750 °C



STANDARDS/APPROVALS

UK CA & (E

# Product Data Sheet GWF2300PR840

ELIA BL - Bollard LED