

Product Data Sheet

GWR5274B

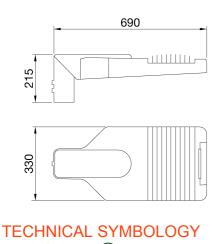
ROAD [5] Range



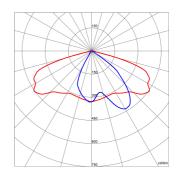
High-power LED streetlight with cover, frame, and pole attachment in EN AB 46100 die-cast aluminium with low copper content, with polyester powder coating. Suitable for installation both on top of the pole and offset, with 5° pitch adjustment. Opening and closing system with integrated front handle. Closure fabricated in tempered flat glass (thickness 4 mm). Cable input via PG13.5. Safety switch. Cable plate in PA6.6+FV. Printed Circuit Board (PCB) in metal core. Metallic PC optic system. Common mode surge protection up to 10 kV. Operational up to 50°C ambient temperature but with reduction of the supply current as indicated in the Instruction Manual.

Context Street and parking lighting LED Road Equipment External Unique digital code (Datamatrix) LED Road Equipment External Unique digital code (Datamatrix) Unified Glare Rating External Unique digital code (Datamatrix) G*4 - ULOR = 0 (Immovity) G*5 - Unified Glare Rating G*6 - Unified G	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Application External Unique digital code (Datamatrix) Lume not present (Im/W) Lefficacy (Im/W) 14800 Colour digital code (Datamatrix) Graphite grey (Im/W) Colour temperature 4000 K Colour of light source LED Colour temperature 4000 K System power 102 W @ 0,7A Standard Deviation Colour Matching SDCM = 5 LED Lifetime L90B10(Tq25°C)>115.000h; L90B10 (Tq50°C)=115.000h; L90B10 (Tq50°C)=115.000h Photobiological Risk Class RG0 Weight (kg) 8.4 Standard Standard EN 60598-2-3, EN 60598-1 IEC/TR 62778 Warranty 5 years Standard EN 60598-2-3, EN 60598-1 IEC/TR 62778 RG0 Stocking temperature - 5 Supply voltage 2-2-240 v Supply voltage 2-2-240 v 50 / 60 MATERIALS - 5 - 5 C Rated frequency (Hz) 50 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 10 / 60 1	Context	Street and parking lighting	Optic	WIDE
Unique digital code (Datamatrix) Currently not present (Im/W) (Im/W) 143 Colour Graphite grey Colour temperature 4000 K Type of light source LED Colour Rendering Index CRI>70 System 102 W @ 0,7A Standard Deviation Colour Matching SDCM = 5 Power Standard Deviation Colour Matching SDCM = 5 LED Lifetime L90B10(Tq25°C)>115.000h; L90B10 (Tq50°C)=115.000h RG0 Weight (kg) 8.4 Standard Deviation Colour Matching RG0 Warranty 8.4 Standard Deviation Colour Matching RG0 Stocking temperature 5 years Standard Deviation Colour Matching RG0 Matching temperature -25 +50 °C Rated frequency (Hz) 10 + 00000h Tq25°C/50.00h Tq50°C Body Image: Standard Standard Revision Colour Rate Requency (Hz) F10 = 100.000h Tq25°C/50.00h Tq50°C	Luminaire	LED Road Equipment	Unified Glare Rating	G*4 - ULOR = 0
Colour	Application	External	Lumen output (lm)	14600
Colour Graphite grey LED Colour Rendering Index 4000 K System power 102 W @ 0,7x Standard Deviation Colour Matching SDCM = 5 LED Lifetime L90810(Tq25°C)>115.000h; L90810 (Tq50°C)=115.000h Photobiological Risk Class RGO Weight (kg) 8.4 Standard EN 60598-2-3, EN 60598-1 IEC/TR 62778 Weight (kg) 8.4 Standard ELETRICAL AND LIGHTING FEATURES - Stocking temperature -25 +50 °C Rated frequency (Hz) 50991 voltage 220 - 240 V Operating temperature -25 +50 °C Rated frequency (Hz) 5000000 h Tq25°C/50 000h Tq50°C 500 v 500 v Driver failure rate F10 = 100.000h Tq25°C/50 000h Tq50°C 500 v 100 vver failure rate F10 = 100.000h Tq25°C/50 000h Tq50°C 500 v 500 vver failure rate 500 vver failure rate F10 = 100.000h Tq25°C/50 000h Tq50°C 500 vver failure rate 500 vver failure rate F10 = 100.000h Tq25°C/50 000h Tq50°C 500 vver failure rate	Unique digital code (Datamatrix)	Currently not present		143
Type of light source				
System power Standard Deviation Colour Matching power Standard Deviation Colour Matching power SDCM = 5 power LED Lifetime L90B10(Tq25°C)>115.000h; L90B10 (Tq50°C)=115.000h Photobiological Risk Class RG0 Weight (kg) 8.4 Standard EN 60598-2-3, EN 60598-1 IEC/TR 62778 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -25 +50°C Rated frequency (Hz) 50 / 60 MATERIALS -25 +50°C Rated frequency (Hz) 50 / 60 Body Die-cast aluminium - Shield type 4mm thick flat tempered glass Overvoltage protection Din 100,000h Tq25°C/50,000h Tq50°C Gasket Anti-aging silicone Control System Bi-power with self-learning Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE -Control System Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach Colour Powder coating Tikir -20° + +10° side brackt10° + +20° pole head STANDARDS AND APPROVALS Fixing Pole Head - Outreach Classification Not available Controle				
Pokas Poka	7. 0			
LED Lifetime L90B10(Tq25°C)>115.000h; L90B10 (Tq50°C)=115.000h Photobiological Risk Class RG0 Weight (kg) 8.4 Standard EN 60598-2-3, EN 60598-1 IEC/TR 62778 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -5 years Supply voltage 220 - 240 V Operating temperature -25 +50° C Rated frequency (Hz) 50 / 60 MATERIALS Die-cast alluminium - Shield type Priver failure rate F10 = 100.000h Tq25°C/50.000h Tq50°C Body Die-cast alluminium - Glector Driver failure rate F10 = 100.000h Tq25°C/50.000h Tq50°C Optic Silver PVD alluminium reflector Control System Bi-power with self-learning Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach External screw Stainless steel Tilt -20° + +10° side bracket10° + +20° pole head Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS Fixing Pole Head - Outreach Classification Fixing Pole Head - Outreach DIN 18032-3 certification Not available Driver Box By professional IPEA <		102 W @ 0,7A	Standard Deviation Colour Matching	SDCM = 5
Weight (kg) (Tq50°C)=115.000h Standard EN 60598-2-3, EN 60598-1 IEC/TR 62778 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature - Supply voltage 220 - 240 V Operating temperature -25 +50 °C Rated frequency (Hz) 50 / 60 MATERIALS - Driver failure rate F10 = 100.000h Tq55°C/50.000h Tq50°C Body Die-cast aluminium - Body Driver Included Shield type 4mm thick flat tempered glass Overvoltage protection DM 10KV / CM 10KV Optic Silver PVD aluminium reflector Control System Bi-power with self-learning Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE Mounting and installation Pole Head - Outreach External screw Stainless steel Tilt -20° ÷ +10° side bracket10° ÷ +20° pole head Closur Powder coating Wiring Isolating switch STANDARDS AND APPROVALS - Fixing Pole Head - Outreach Classification - Light souce replaceability By professional DIN 1803				
Stocking temperature - Supply voltage - 220 - 240 V Operating temperature - Supply voltage - 25 + 50 °C RATERIALS - Driver failure rate - Driver failure rate - Driver failure rate - F10 = 100.000h Tq25 °C/50.000h Tq50 °C Body Die-cast aluminium - Driver failure rate - Driver failure ra	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature-Supply voltage220 - 240 VOperating temperature-25 + 50 °CRated frequency (Hz)50 / 60MATERIALS-Driver failure rateF10 = 100.000h Tq25 °C/50.000h Tq50 °CBodyDie-cast aluminum - Shield typeDriver failure rateF10 = 100.000h Tq25 °C/50.000h Tq50 °CShield type4mm thick flat tempered glassOvervoltage protectionDM 10KV / CM 10KVOpticSilver PVD aluminium reflectorControl SystemBi-power with self-learningGasketAnti-aging siliconeINSTALLATION AND MAINTENANCE-Locking HookIntegrated front handleMounting and installationPole Head - OutreachExternal screwStainless steelTilt-20° * +10° side bracket10° * +220° poleColourPowder coatingWiringIsolating switchSTANDARDS AND APPROVALS-FixingPole Head - OutreachClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.19 m²Insulation classIP66Mechanical resistanceIK08	Weight (kg)	8.4	Standard	EN 60598-2-3, EN 60598-1 IEC/TR 62778
Operating temperature-25 +50 °CRated frequency (Hz)50 / 60MATERIALS-Driver failure rateF10 = 100.000h Tq25°C/50.000h Tq50°CBodyDie-cast aluminium Shield typeDriver failure rateF10 = 100.000h Tq25°C/50.000h Tq50°COptic4mm thick flat tempered glassOvervoltage protectionDM 10KV / CM 10KVOpticSilver PVD aluminium reflectorControl SystemBi-power with self-learningGasketAnti-aging siliconeINSTALLATION AND MAINTENANCE-Locking HookIntegrated front handleMounting and installationPole Head - OutreachExternal screwStainless steelWiringIsolating switchColourPowder coatingWiringIsolating switchSTANDARDS AND APPROVALS-FixingPole Head - OutreachClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.19 m²Insulation classIIMaximum surface exposed to the wind0.19 m²Mechanical resistanceIP66Mechanical resistanceIK08	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	<u>-</u>
MATERIALS - Driver failure rate F10 = 100.000h Tq25°C/50.000h Tq50°C Body Die-cast aluminium - Shield type Driver Included Optic 4mm thick flat tempered glass optic Overvoltage protection DM 10KV / CM 10KV Optic Silver PVD aluminium reflector Control System Bi-power with self-learning Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach External screw Stainless steel Tilt -20° + +10° side bracket10° + +20° pole head Colour Powder coating Wiring Isolating shaded STANDARDS AND APPROVALS Fixing Pole Head - Outreach Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² IP degree IP66	Stocking temperature	-	Supply voltage	220 - 240 V
Body Die-cast aluminium - Shield type 4mm thick flat tempered glass Optic Silver PVD aluminium reflector Gasket Anti-aging silicone Locking Hook Integrated front handle External screw Stainless steel STANDARDS AND APPROVALS Fixing Pole Head - Outreach Light souce replaceability By professional Device with reduced surface temperature Driver Box Built-in PEA Stainless Ill Ill Stainless Ill I	Operating temperature	-25 +50 °C	Rated frequency (Hz)	50 / 60
Shield type 4mm thick flat tempered glass Overvoltage protection DM 10KV / CM 10KV Optic Silver PVD aluminium reflector Control System Bi-power with self-learning Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach External screw Stainless steel Wiring Isolating switch Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS - Fixing Pole Head - Outreach Classification - Light souce replaceability By professional Device with reduced surface temperature - Control System By professional DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class III Maximum surface exposed to the wind - Mechanical resistance IK08 - -	MATERIALS	-	Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq50°C
Optic Silver PVD aluminium reflector Control System Bi-power with self-learning Gasket Anti-aging silicone Integrated front handle Mounting and installation Pole Head - Outreach External screw Stainless steel Tilt -20° ÷ +10° side bracket10° ÷ +20° pole head Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS - Fixing Pole Head - Outreach Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² IP degree IP66 - - Mechanical resistance IK08 - -	Body	Die-cast aluminium -	Driver	Included
Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach External screw Stainless steel Tilt -20° ÷ +10° side bracket10° ÷ +20° pole head Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS - Fixing Pole Head - Outreach Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II II IP degree IP66 - - Mechanical resistance IK08 - -	Shield type	4mm thick flat tempered glass	Overvoltage protection	DM 10KV / CM 10KV
Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach External screw Stainless steel Tilt -20° ÷ +10° side bracket10° ÷ +20° pole head Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS - Fixing Pole Head - Outreach Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - IP degree IP66 - - Mechanical resistance IK08 -	Optic	Silver PVD aluminium reflector	Control System	Bi-power with self-learning
External screwStainless steelTilt-20° ÷ +10° side bracket10° ÷ +20° pole headColourPowder coatingWiringIsolating switchSTANDARDS AND APPROVALS-FixingPole Head - OutreachClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.19 m²Insulation classII-IP degreeIP66Mechanical resistanceIK08-	Gasket		INSTALLATION AND MAINTENANCE	<u>-</u>
ColourPowder coatingWiringIsolating switchSTANDARDS AND APPROVALS-FixingPole Head - OutreachClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.19 m²Insulation classII-IP degreeIP66-Mechanical resistanceIK08-	Locking Hook	Integrated front handle	Mounting and installation	
ColourPowder coating STANDARDS AND APPROVALSWiringIsolating switchClassification-FixingPole Head - OutreachClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certificationNot availableDriver BoxBuillt-inIPEA-Maximum surface exposed to the wind0.19 m²Insulation classII-IP degreeIP66-Mechanical resistanceIK08-	External screw	Stainless steel	Tilt	
STANDARDS AND APPROVALS - Fixing Pole Head - Outreach Classification - Light souce replaceability By professional Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - 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 Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - IP degree IP66 - Mechanical resistance IK08 -		- Owder codding	9	
Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class III - IP degree IP66 - Mechanical resistance IK08 -		_		
DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - IP degree IP66 - Mechanical resistance IK08 -		_	. ,	, ,
IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - IP degree IP66 - Mechanical resistance IK08 -		Not available		
Insulation class II - IP degree IP66 - Mechanical resistance IK08 -		-		
Mechanical resistance IK08 -	Insulation class	l l		-
Mechanical resistance IK08 -		IP66		-
Glow Wire Test				-
	Glow Wire Test	-		-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION









IP IP66

IK IK08

GWT

0.19 m²



STANDARDS/APPROVALS

UK CA ∰³ (€

Product Data Sheet GWR5274B

ROAD [5] Range