Product Data Sheet GWR5214

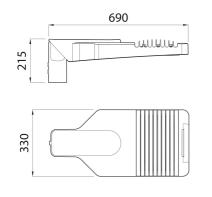
ROAD [5] Range



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.

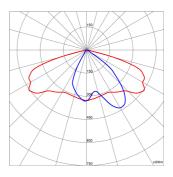
LuminaireLED Road EquipmentUnified Glare RatingG*4 - ULOR = 0ApplicationExternalLume output (im)19700Unique digital code (Datamatrix)Currently not presentEfficacy (im/W)133ColourGraphite greyColour temperature4000 KType of light sourceLEDColour Rendering IndexCRI>70System148 W@ 1AStandard Deviation Colour MatchingSDCM = 5powerLEDColour temperature4000 KLED LifetimeL90B10(Tq25°C)>115.000h; L90B10 (Tq40°C)=115.000hPhotobiological Risk ClassRG0Weight (kg)8.4StandardEN 60598-2-3, EN 60598-1 IEC/TR 62778Waranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +40 °CRated frequency (Hz)50 / 60MatTERIALSDriver failure rateF10 = 100.000h Tq25°C/50.00h Tq4°C-BodyDie-cast aluminiumDriverIncluded-Sheld type4nm thick flat tempered glassOvervoltage protectionDM 10K // CM 10KV-ColourPowder coatingWiringIsolating switchColourPowder coatingWiringIsolating switchStand alooneFixingOvervoltage rotectionMountread- Outreach-ColourPowder coatingWiringIsolating switchStand typeStandatos-Itit<-20° + +10° side bracket -10° + +20° pole head-Colour <td< th=""><th>GENERAL INFORMATION</th><th>-</th><th>OPTIC AND ILLUMINATING FEATURES</th><th>-</th></td<>	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Application External Lumen output (Im) 19700 Unique digital code (Datamatrix) Currently not present Efficacy (m/W) 133 Colour Graphite grey Colour remperature 4000 K Type of light source LED Colour remperature 4000 K System 148 W @ 1A Standard Deviation Colour Matching SDCM = 5 power LED Lifetime L90B10(Tq25°C)>115.000h; L90B10 (Tq40°C)=115.000h Photobiological Risk Class RGO Weight (kg) 8.4 Standard Deviation Colour Matching SDCM = 5 Stocking temperature Supply voltage 22.0 -24.0 V Operating temperature -25 +40 °C Rated frequency (Hz) 50 / 60 MATERIALS Diver catal aluminium Driver failure rate F10 = 100.000h Tq25°C/50.00h (Tq40°C Sheld type 4mm thick flat tempered glass Overvoltage protection DM 10KV / CM 10KV Optic Silver PVD aluminium Driver failure rate F10 = 100.000h Tq25°C/50.00h (Tq40°C Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Colour Power coating Wiring Sloating witch Sta	Context	Street and parking lighting	Optic	WIDE
Unique digital code (Datamatrix) Currently not present Efficacy 133 Colour Graphite grey (imW) 000 K Colour Graphite grey 200 remetyring index CRP70 Type of light source LED Colour remperature 4000 K System 148 W @ 1A Standard Deviation Colour Matching SDCM = 5 power L90 B10(Tq25°C)>115.000 h; L90B10 Photobiological Risk Class RG0 Weight (kg) 8.4 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 Warranty 5 years Standard EN 60598-2-3; EN 60598-1 IEC/TR 62778 MarteriALS Supply voltage 220 - 240 V Standard EU ETRICAL AND LIGHTING FEATURES - Sold type Jbie-cast aluminium Driver faiture rate F10 = 100.0000 Tq25°C/50.000 Tq2	Luminaire	LED Road Equipment	Unified Glare Rating	G*4 - ULOR = 0
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ColourGraphite greyColour temperature4000 KType of light sourceLEDColour Rendering IndexCRI>70System148 W @ 1AStandard Deviation Colour MatchingSDCH = 5powerLED LifetimeL90B10(Tq25°C)>115.000h; L90B10 (Tq40°C)=115.000hPhotobiological Risk ClassRG0Weight (kg)8.4Standard Deviation Colour MatchingSDCH = 5Waranty5 yearsELETRCAL AND LIGHTING FEATURES-Stocking temperature-25 +40 °CRated frequency (Hz)50 / 60MaTERIALSDie-cast aluminiumDriver failure rateF10 = 100.000h Tq25°C/50.000h Tq40°COpticSilver PVD aluminium reflectorControl SystemStand aloneColourNovervoltage protectionDM 10K// CM 10KVMounting and installationPole Head - OutreachColourPowder coatingTit-20° + +10° side bracket - 10° + +20° pole head-ColourPowder coatingWiringIsolating switchColourPowder coatingWiringIsolating switchDevice with reduced surface temperature-Control SystemSulver Pole Head - OutreachDevice with reduced surface temperature-Light souce replaceabilityBy professionalDiver failure ratePole Head - OutreachHead-ColourPowder coatingWiringIsolating switchDevice with reduced surface temperature-Control SystemBuirteachDevice with reduced surface temperature-Control SystemBu	Unique digital code (Datamatrix)	Currently not present	Efficacy	133
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pówer Construint Contrestruint Contrestear isotance <th< td=""><td>Type of light source</td><td>LED</td><td>Colour Rendering Index</td><td>CRI>70</td></th<>	Type of light source	LED	Colour Rendering Index	CRI>70
LED LifetimeL90B10(Tq25°C)>115.000h; L90B10 (Tq40°C)=115.000h (Tq40°C)=115.000hPhotobiological Risk ClassRG0Weight (kg)6.8.4StandardEN 60598-2-3, EN 60598-11 IEC/TR 62778Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-Supply voltage220 - 240 VOperating temperature-25 +40 °CRated frequency (Hz)50 / 60MATERIAS-Driver failure rateF10 = 100.000h Tq25°C/50.000h Tq40°CBodyDie-cast aluminium -DriverIncludedOpticSilver PVD aluminium reflectorControl SystemStand aloneGasketAnti-aging siliconeControl System-Locking HookIntegrated front handleMounting and installationPole Head - Outreach HeadColourPowder coatingTit-20° + +10° side bracket10° + +20° pole 	System	148 W @ 1A	Standard Deviation Colour Matching	SDCM = 5
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Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperatureSupply voltage220 - 240 VOperating temperature-25 +40 °CRated frequency (Hz)50 / 60MATERIALSDirver failure rateF10 = 100.000h Tq25°C/50.000h Tq40°CBodyDie-cast aluminium -Driver failure rateF10 = 100.000h Tq25°C/50.000h Tq40°CBodyShield type4mm thick flat tempered glassOvervoltage protectionDM 10KV / CM 10KVOpticSilver PVD aluminium reflectorControl SystemStand aloneGasketAnti-aging siliconeINSTALLATION AND MAINTENANCE-Locking HookIntegrated front handleMounting and installationPole Head - OutreachExternal screwStainless steelTit-20° + +10° side bracket10° + +20° pole headColourPowder coatingWiringIsolating switchSTANDARDS AND APPROVALSFixingPole Head - OutreachDevice with reduced surface temperature-Control gear replaceabilityBy professionalDevice with reduced surface temperature-Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.19 m²IP degreeIP66Mechanical resistanceIK08-	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature - Supply voltage 220 - 240 V Operating temperature -25 +40 °C Rated frequency (Hz) 50 / 60 MATERIALS - Driver failure rate F10 = 100.000h Tq25°C/50.000h Tq40°C Body Die-cast aluminium - Driver failure rate F10 = 100.000h Tq25°C/50.000h Tq40°C Body Amm thick flat tempered glass Overvoltage protection DM 10KV / CM 10KV Optic Silver PVD aluminium reflector Control System Stand alone Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS - Fixing Pole Head - Outreach Device with reduced surface temperature - Control Gase replaceability By professional Device with reduced surface temperature - Control Gase replaceability By professional Diver Box III - - Built-in IPEA - Maximum surface exposed to the wind 0.19 m² <t< td=""><td>Weight (kg)</td><td>8.4</td><td>Standard</td><td>EN 60598-2-3, EN 60598-1 IEC/TR 62778</td></t<>	Weight (kg)	8.4	Standard	EN 60598-2-3, EN 60598-1 IEC/TR 62778
Operating temperature -25 +40 °C Rated frequency (Hz) 50 / 60 MATERIALS Diver failure rate F10 = 100.000h Tq25°C/50.000h Tq40°C Body Die-cast aluminium - Driver Shield type 4mm thick flat tempered glass Overvoltage protection DM 10KV / CM 10KV Optic Silver PVD aluminium reflector Control System Stand alone Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS Fixing Pole Head - Outreach Device with reduced surface temperature Control gear replaceability By professional Device with reduced surface temperature Driver Box Built-in IPEA Insulation class II - IP degree IP66 - - Mechanical resistance IK08 - -	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
MATERIALS Driver failure rate F10 = 100.00h Tq25°C/50.000h Tq40°C Body Die-cast aluminium - Driver Included Shield type 4mm thick flat tempered glass Overvoltage protection DM 10KV / CM 10KV Optic Silver PVD aluminium reflector Control System Stand alone Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach Colour Powder coating Wiring Isolating switch STANDARDS AND APPROVALS Fixing Pole Head - Outreach Classification Light souce replaceability By professional DIN 18032-3 certification Driver Box Built-in IPEA Maximum surface exposed to the wind 0.19 m² Insulation class II - - IP degree IP66 - - Maximur surface exposed to the wind 0.19 m² -	Stocking temperature	-	Supply voltage	220 - 240 V
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Locking Hook Integrated front handle Mounting and installation Pole Head - Outreach External screw Stainless steel Tilt -20° ÷ +10° side bracket10° ÷ +20° pole 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 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	Stand alone
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 - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - - IP degree IP66 - - Mechanical resistance IK08 - -	Gasket	Anti-aging silicone	INSTALLATION AND MAINTENANCE	-
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 - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - - IP degree IP66 - - Mechanical resistance IK08 - -	Locking Hook	Integrated front handle	Mounting and installation	Pole Head - Outreach
ColourPowder coating Powder coatingWiringIsolating switchSTANDARDS AND APPROVALS-FixingPole Head - OutreachClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDIN 18032-3 certification-Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0.19 m²Insulation classIIIP degreeIP66Mechanical resistanceIK08	External screw	Stainless steel	Tilt	-20° ÷ +10° side bracket10° ÷ +20° pole
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 - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - - IP degree IP66 - - Mechanical resistance IK08 - -				
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 0.19 m ² Insulation class II - - IP degree IP66 - - Mechanical resistance IK08 - -	Colour	Powder coating	0	
Device with reduced surface temperature - Controlgear replaceability By professional DIN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - IP degree IP6 - Mechanical resistance IK08 -	STANDARDS AND APPROVALS	-		Pole Head - Outreach
DIN 18032-3 certification - Driver Box Built-in IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - IP degree IP66 - Mechanical resistance IK08 -	Classification	-		
IPEA - Maximum surface exposed to the wind 0.19 m² Insulation class II - IP degree IP66 - Mechanical resistance IK08 -	Device with reduced surface temperature	-		
II IP degree IP66 - Mechanical resistance IK08 -	DIN 18032-3 certification	-		Built-in
IP degree IP66 - Mechanical resistance IK08 -	IPEA	-	Maximum surface exposed to the wind	0.19 m²
Mechanical resistance IK08 -	Insulation class			-
	IP degree			-
Glow Wire Test	Mechanical resistance	IK08		-
	Glow Wire Test	-		-

DIMENSIONAL





PHOTOMETRIC DISTRIBUTION



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IK08

GWT

IP

IP66

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 GWR5214

ROAD [5] Range



