## Product Data Sheet GWR5776B30K

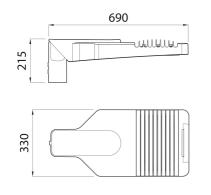
#### ROAD [5] Range



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.

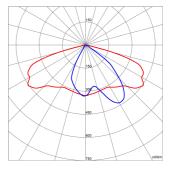
| LuminaireLED Road EquipmentUnified Glare RatingG*4 - ULOR = 0ApplicationExternalLumen output (Im)19000Jnique digital code (Datamatrix)Currently not presentEfficacy<br>(Im/W)124<br>(Im/W)ColourGraphite greyColour Rendering IndexCRI>70Yope of light sourceLEDColour Rendering IndexCRI>70System153 W @ 0,7AStandard Deviation Colour MatchingSDCM = 5SowerL9DB10(Tq25°C)>115.000h; L90B10<br>(Tq50°C)=115.000hPhotobiological Risk ClassRG0Weight (kg)9,1StandardEN 60598-2-3, EN 60598-1 IEC/TR 62778Derating temperature-25 +50 °CRated frequency (Hz)50 / 60Sheid typeDie-cast aluminumDriver failure rateF10 = 100.000h Tq25°C/50.000h Tq50°COpticSilver PVD aluminium reflectorDriver failure rateF10 = 100.000h Tq25°C/50.000h Tq50°CSheid typeAnti-aging silicoreOvervoltage protectionDM 10KV / CM 10KVOpticSilver PVD aluminium reflectorControl SystemBi-power with self-learningStandardIntegrated front haniessteelTit-20° + +10° side bracket10° + +20° pole<br>headColourPowder coatingWiringIsolating switchStandard Stanless SteelTit-20° + +10° side bracket10° + +20° pole<br>headDevice with reduced surface temperature-Light souce replaceabilityColourPowder coatingWiringIsolating switchStanless steelTit-20° + +10° side br  | GENERAL INFORMATION                     | -                              | OPTIC AND ILLUMINATING FEATURES     | -                                     |
|--|---|--------------------------------|-------------------------------------|---------------------------------------|
| Application   External   Lumen output (lm)   19000     Inique digital code (Datamatrix)   Currently not present   Efficacy   124     Colour   Graphite grey   Colour Rendering Index   CRI>70     Colour is unce   LED   Colour Rendering Index   CRI>70     System   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     System   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     Neight (kg)   9.1   Standard Deviation Colour Matching   SDCM = 5     Neranty   5 years   ELETRICAL AND LIGHTING FEATURES   RG0     Colour demperature   -25 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C/50.00h Tq50°C     Sody   Die-cast aluminium -   Driver failure rate   F10 = 100.000h Tq25°C/50.00h Tq50°C     Staket   Silver PVD aluminium reflector   Control System   Bi-power with self-learning     Coking Hook   Integrated front handle   Nerrol System   -     Colour   Powder coating   Wiring   Isolating switch     Standard Stoco   -   Mounting and installa  | Context                                 | Street and parking lighting    | Optic                               | WIDE                                  |
| Inique digital code (Datamatrix)   Currently not present   Efficacy   124     Colour   Graphite grey   Colour temperature   3000 K     Ype of light source   LED   Colour Rendering Index   CRI>70     System   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     ower  | Luminaire                               | LED Road Equipment             | Unified Glare Rating                | G*4 - ULOR = 0                        |
| Colour   Graphite grey   Colour temperature   3000     Colour   Graphite grey   Colour temperature   3000     System   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     sower  | Application                             | External                       | Lumen output (Im)                   | 19000                                 |
| Colour   Graphite grey   Colour temperature   3000 K     Type of light source   LED   Colour Rendering Index   CRI>70     System   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     System   L90B10(Tq25°C)>115.000h; L90B10   Photobiological Risk Class   RG0     (Tq50°C)=115.000h   Yearanty   S years   ELETRICAL AND LIGHTING FEATURES   -     Narranty   5 years   ELETRICAL AND LIGHTING FEATURES   -   220 - 240 V     Operating temperature   -25 +50 °C   Rted frequency (Hz)   50/ 60   50/ 60     Stocking temperature   -25 +50 °C   Rted frequency (Hz)   50/ 60   50/ 60     Sody   Die-cast aluminium -   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C   50/ 60     Staket   Anti-aging silicon   Overvoltage protection   DM 10KV / CM 10KV   VOV     Stainless steel   Integrated front handle   Mounting and installation   Pole Head - Outreach     Colour   Powder coating   Wiring   Isolating switch   Stalating switch     Stainless steel   Fixing   Pole Head - Outreach   By professional     Colour   | Unique digital code (Datamatrix)        | Currently not present          | Efficacy                            | 124                                   |
| Type of light source   LED   Colour Rendering Index   CRI>70     System   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     Sower   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     LeD Lifetime   L90B10(Tq25°C)>115.000h; L90B10<br>(Tq50°C)=115.000h   Photobiological Risk Class   RG0     Warranty   9.1   Standard   EN 60598-2-3, EN 60598-1 IEC/TR 62778     Varranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -25 +50 °C   Rated frequency (Hz)   50 / 60     MaTERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq25°C/ |   |                                | (Im/W)                              |                                       |
| System   153 W @ 0,7A   Standard Deviation Colour Matching   SDCM = 5     Dower   L90B10(Tq25°C)>115.000h; L90B10<br>(Tq50°C)=115.000h   Photobiological Risk Class   RG0     Veright (kg)   9.1   Standard   EN 60598-2-3, EN 60598-1 IEC/TR 62778     Varranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -25 +50 °C   Rated frequency (Hz)   50 / 60     Operating temperature   -25 +50 °C   Rated frequency (Hz)   50 / 60     Shield type   Die-cast aluminium -   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     3ody   Die-cast aluminium -   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Shield type   4mm thick flat tempered glass   Overvoltage protection   DM 10KV / CM 10KV     Optic   Sliver PVD aluminium reflector   Control System   Bi-power with self-learning     Golur   Powder coating   INSTALLATION AND MAINTENANCE   -     Colour   Powder coating   Wiring   Isolating switch     Standers steel   Tilt   -20° + +10° side bracket - 00° + +20° pofe head   head     Colour   Powder coating   Wiring   Isolating switch </td <td>Colour</td> <td>Graphite grey</td> <td>Colour temperature</td> <td></td>   | Colour                                  | Graphite grey                  | Colour temperature                  |                                       |
| Jower   RG0  | Type of light source                    | LED                            | Colour Rendering Index              | CRI>70                                |
| LED LifetimeL90B10(Tq25°C)>115.000h; L90B10<br>(Tq50°C)=115.000hPhotobiological Risk ClassRG0Weight (kg)9.1StandardEN 60598-2-3, EN 60598-1 IEC/TR 62778Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +50 °CRated frequency (Hz)50 / 60WATERIALS-Driver failure rateF10 = 100.000h Tq25°C/50.000h Tq5°C50 / 60MATERIALS-Driver failure rateF10 = 100.000h Tq25°C/50.000h Tq5°C10cludedShield type4mm thick flat tempered glassOvervoltage protectionDM 10KV / CM 10KVOpticSilver PVD aluminium reflectorControl SystemBi-power with self-learningSasketAnti-aging siliconeINSTALLATION AND MAINTENANCE-ColourPowder coatingWiringIsolating switchColourPowder coatingWiringIsolating switchColourPowder coatingFixingPole Head - OutreachColourPowder coatingWiringIsolating switchColourPowder coatingFixingPole Head - OutreachChasification-Light souce replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professionalDevice with reduced surface temperature-Controlgear replaceabilityBy professional  | System                                  | 153 W @ 0,7A                   | Standard Deviation Colour Matching  | SDCM = 5                              |
| Weight (kg)   9.1   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   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C   Driver     Sody   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   Bi-power with self-learning     Gasket   Anti-aging silicone   Intlegrated front handle   Mounting and installation   Pole Head - Outreach     Colour   Powder coating   Wiring   Isolating switch   Fixing   Pole Head - Outreach     Classification   Light souce replaceability   By professional   External screw   By professional  | power                                   |                                |                                     |                                       |
| Narranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -25 +50 °C   Supply voltage   220 - 240 V     Operating temperature   -25 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Body   Die-cast aluminium   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Body   Martick flat tempered glass   Overvoltage protection   DM 10KV / CM 10KV     Optic   Silver PVD aluminium reflector   Control System   Bi-power with self-learning     Jocking 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     Device with reduced surface temperature   Control gear replaceability   By professional  | LED Lifetime                            |                                | Photobiological Risk Class          | RG0                                   |
| Stocking temperature   -   Supply voltage   220 - 240 V     Operating temperature   -25 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°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   Bi-power with self-learning     Jacket   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     Device with reduced surface temperature   -   Controlgear replaceability   By professional   | Weight (kg)                             | 9.1                            | Standard                            | EN 60598-2-3, EN 60598-1 IEC/TR 62778 |
| Operating temperature   -25 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     3ody   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   Bi-power with self-learning     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     cocking Hook   Integrated front handle   Mounting and installation   Pole Head - Outreach     Colour   Powder coating   Wiring   Isolating switch     StandRDS AND APPROVALS   Fixing   Pole Head - Outreach     Classification   Light souce replaceability   By professional     Device with reduced surface temperature   Control gear replaceability   By professional   | Warranty                                | 5 years                        | ELETRICAL AND LIGHTING FEATURES     | -                                     |
| MATERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°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   Bi-power with self-learning     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     ocking 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   Control gear replaceability   By professional   | Stocking temperature                    | -                              | Supply voltage                      | 220 - 240 V                           |
| 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   Bi-power with self-learning     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     ocking 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     Classification   -   External screw   Pole Head - Outreach     Classification   -   Exting   Pole Head - Outreach     Device with reduced surface temperature   -   Control gear replaceability   By professional  | 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   Sasket Anti-aging silicorne INSTALLATION AND MAINTENANCE -   Jocking 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   Device with reduced surface temperature - Control gear replaceability By professional  | 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 INSTALLATION AND MAINTENANCE -   Jocking Hook Integrated front handle Mounting and installation Pole Head - Outreach   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 Control gar replaceability By professional  | Body                                    | Die-cast aluminium -           | Driver                              | Included                              |
| Basket 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  | Shield type                             | 4mm thick flat tempered glass  | Overvoltage protection              | DM 10KV / CM 10KV                     |
| Ocking 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  | Optic                                   | Silver PVD aluminium reflector | Control System                      | Bi-power with self-learning           |
| 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  | Gasket                                  | Anti-aging silicone            | INSTALLATION AND MAINTENANCE        | -                                     |
| 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  | Locking Hook                            | Integrated front handle        | Mounting and installation           |                                       |
| STANDARDS AND APPROVALS - Fixing Pole Head - Outreach   Classification - Light souce replaceability By professional   Device with reduced surface temperature - Controlgear replaceability By professional   | External screw                          | Stainless steel                | Tilt                                |                                       |
| Classification - Light souce replaceability By professional   Device with reduced surface temperature - Controlgear replaceability By professional   | Colour                                  | Powder coating                 | Wiring                              | Isolating switch                      |
| Device with reduced surface temperature - Controlgear replaceability By professional   | STANDARDS AND APPROVALS                 |                                | Fixing                              | Pole Head - Outreach                  |
|  | Classification                          | _                              | Light souce replaceability          | By professional                       |
|  | Device with reduced surface temperature | -                              | Controlgear replaceability          | By professional                       |
| JIN 18032-3 certification - Driver Box Built-in  | DIN 18032-3 certification               | -                              | Driver Box                          | Built-in                              |
| PEA - Maximum surface exposed to the wind 0.19 m <sup>2</sup>  | IPEA                                    | -                              | Maximum surface exposed to the wind | 0.19 m²                               |
| nsulation class I -  | Insulation class                        |                                |                                     | -                                     |
| P degree IP66 -  | IP degree                               | IP66                           |                                     | -                                     |
| Vechanical resistance IK08 -   | Mechanical resistance                   | IK08                           |                                     | -                                     |
| Slow Wire Test   | Glow Wire Test                          | -                              |                                     | -                                     |

### DIMENSIONAL





#### PHOTOMETRIC DISTRIBUTION



GWT

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 GWR5776B30K

ROAD [5] Range



