### **Product Data Sheet**

# **GWR5231V**

ROAD [5] Range



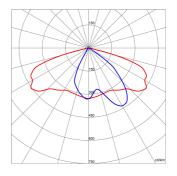
High-power LED streetlight with cover, frame, and pole attachment in EN AB 46100 die-cast aluminium with low copper content, with polyester powder coating. Suitable for installation both on top of the pole and offset, with 5° pitch adjustment. Opening and closing system with integrated front handle. 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

| GENERAL INFORMATION                     | _  | OPTIC AND ILLUMINATING FEATURES     | -   |
|---|--|-------------------------------------|---|
| Context                                 | Street and parking lighting                          | Optic                               | WIDE  |
| Luminaire                               | LED Road Equipment                                   | Unified Glare Rating                | G*4 - ULOR = 0                                  |
| Application                             | External   | Lumen output (lm)                   | 2000  |
| Unique digital code (Datamatrix)        | Currently not present                                | Efficacy<br>(lm/W)                  | 154   |
| Colour                                  | Graphite grey  | Colour temperature                  | 4000 K  |
| Type of light source                    | LED  | Colour Rendering Index              | CRI>70  |
| System                                  | 13 W @ 0,35A   | Standard Deviation Colour Matching  | SDCM = 5  |
| LED Lifetime                            | L90B10(Tq25°C)>115.000h; L90B10<br>(Tq50°C)=115.000h | Photobiological Risk Class          | RG0   |
| Weight (kg)                             | 6.4  | 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 Tq25°C/75.000h 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                      | DALI - 5 STEP                                   |
| Gasket                                  | Anti-aging silicone                                  | INSTALLATION AND MAINTENANCE        | <u>-</u>  |
| Locking Hook                            | Integrated front handle                              | Mounting and installation           | Pole Head - Outreach                            |
| External screw                          | Stainless steel                                      | Tilt                                | -20° ÷ +10° side bracket10° ÷ +20° pole<br>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               | <u>-</u>   | Driver Box                          | Built-in  |
| IPEA                                    | <u>-</u>   | Maximum surface exposed to the wind | 0.15 m <sup>2</sup>                             |
| Insulation class                        | II   |                                     | -   |
| IP degree                               | IP66   |                                     | <u>-</u>  |
| Mechanical resistance                   | IK08   |                                     | <u>-</u>  |
| Glow Wire Test                          |  |                                     | <u>-</u>  |

### **DIMENSIONAL**

# 560

# PHOTOMETRIC DISTRIBUTION



## **TECHNICAL SYMBOLOGY**

















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**GWT** 

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# STANDARDS/APPROVALS

