



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+PV. 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.

#### GENERAL INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| Context                          | Street and parking lighting |
| Luminaire                        | LED Road Equipment          |
| Application                      | External                    |
| Unique digital code (Datamatrix) | Currently not present       |

|                       |   |
|-----------------------|---|
| Colour                | Graphite grey                                     |
| Type of light source  | LED   |
| System power          | 127 W @ 0,7A                                      |
| LED Lifetime          | L90B10(Tq25°C)>115.000h; L90B10 (Tq50°C)=115.000h |
| Weight (kg)           | 8.8   |
| Warranty              | 5 years   |
| Stocking temperature  | -   |
| Operating temperature | -25 +50 °C  |

|                  |                                |
|------------------|--------------------------------|
| <b>MATERIALS</b> | -                              |
| 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                |

|   |                |
|---|----------------|
| Colour                                  | Powder coating |
| <b>STANDARDS AND APPROVALS</b>          | -              |
| Classification                          | -              |
| Device with reduced surface temperature | -              |
| DIN 18032-3 certification               | Not available  |
| IPEA                                    | -              |
| Insulation class                        | I              |
| IP degree                               | IP66           |
| Mechanical resistance                   | IK08           |
| Glow Wire Test                          | -              |

#### OPTIC AND ILLUMINATING FEATURES

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Optic                              | WIDE                                  |
| Unified Glare Rating               | G*4 - ULOR = 0                        |
| Lumen output (lm)                  | 18300                                 |
| Efficacy (lm/W)                    | 144                                   |
| Colour temperature                 | 4000 K                                |
| Colour Rendering Index             | CRI>70                                |
| Standard Deviation Colour Matching | SDCM = 5                              |
| Photobiological Risk Class         | RG0                                   |
| Standard                           | EN 60598-2-3, EN 60598-1 IEC/TR 62778 |

#### ELETRICAL AND LIGHTING FEATURES

|                        |                                      |
|------------------------|--------------------------------------|
| Supply voltage         | 220 - 240 V                          |
| Rated frequency (Hz)   | 50 / 60                              |
| Driver failure rate    | F10 = 100.000h Tq25°C/50.000h Tq50°C |
| Driver                 | Included                             |
| Overvoltage protection | DM 10KV / CM 10KV                    |
| Control System         | Stand alone                          |

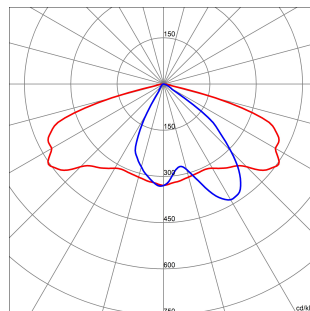
#### INSTALLATION AND MAINTENANCE

|                                     |  |
|-------------------------------------|--|
| Mounting and installation           | Pole Head - Outreach                             |
| Tilt                                | -20° ÷ +10° side bracket - -10° ÷ +20° pole head |
| Wiring                              | Isolating switch                                 |
| Fixing                              | Pole Head - Outreach                             |
| Light source replaceability         | By professional                                  |
| Controlgear replaceability          | By professional                                  |
| Driver Box                          | Built-in   |
| Maximum surface exposed to the wind | 0.19 m²  |

#### DIMENSIONAL



#### PHOTOMETRIC DISTRIBUTION



#### TECHNICAL SYMBOLOGY



IP  
IP66

IK  
IK08

GWT  
-



## Product Data Sheet

**GWR5775**

ROAD [5] Range

### STANDARDS/APPROVALS

