



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         | 186 W @ 0,85A                                     |
| LED Lifetime         | L90B10(Tq25°C)>115.000h; L90B10 (Tq40°C)=115.000h |

|                       |            |
|-----------------------|------------|
| Weight (kg)           | 9.1        |
| Warranty              | 5 years    |
| Stocking temperature  | -          |
| Operating temperature | -25 +40 °C |

#### MATERIALS

|                |                                |
|----------------|--------------------------------|
| 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 |
|--------|----------------|

#### STANDARDS AND APPROVALS

|                                         |               |
|-----------------------------------------|---------------|
| Classification                          | -             |
| Device with reduced surface temperature | -             |
| DIN 18032-3 certification               | Not available |
| IPEA                                    | -             |
| Insulation class                        | II            |
| 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)    | 25800          |
| Efficacy (lm/W)      | 139            |

|                                    |          |
|------------------------------------|----------|
| 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

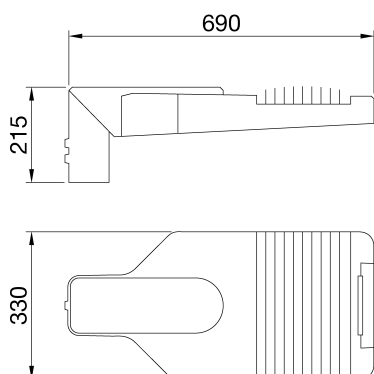
|                      |                                      |
|----------------------|--------------------------------------|
| Supply voltage       | 220 - 240 V                          |
| Rated frequency (Hz) | 50 / 60                              |
| Driver failure rate  | F10 = 100.000h Tq25°C/50.000h Tq40°C |

|                        |                             |
|------------------------|-----------------------------|
| Driver                 | Included                    |
| Overvoltage protection | DM 10KV / CM 10KV           |
| Control System         | Bi-power with self-learning |

#### 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

### GWR5216B

40 CDI Range

#### STANDARDS/APPROVALS

