



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	91 W @ 0,5A
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

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
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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)	13500
Efficacy (lm/W)	148
Colour temperature	4000 K
Colour Rendering Index	CRI>70
Standard Deviation Colour Matching	SDCM = 5
Photobiological Risk Class	RG0

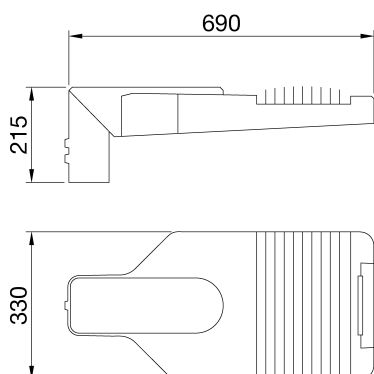
ELETRICAL AND LIGHTING FEATURES

Standard	EN 60598-2-3, EN 60598-1 IEC/TR 62778
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	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

0.19 m²

TECHNICAL SYMBOLOGY



IP

IP66

IK

IK08

GWT

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Product Data Sheet

GWR5255B

40 CDI Range

STANDARDS/APPROVALS

