



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		- OPTIC AND ILLUMINATING FEATURES	
Context	Street and parking lighting	Optic	HUGE
Luminaire	LED Road Equipment	Unified Glare Rating	G*4 - ULOR = 0
Application	External	Lumen output (lm)	24400
Unique digital code (Datamatrix)	Currently not present	Efficacy (lm/W)	131
Colour	Graphite grey	Colour temperature	4000 K
Type of light source	LED	Colour Rendering Index	CRI>70
System power	186 W @ 0,85A	Standard Deviation Colour Matching	SDCM = 5
LED Lifetime	L90B10(Tq25°C)>115.000h; L90B10 (Tq40°C)=115.000h	Photobiological Risk Class	RG0
Weight (kg)	9.1	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 +40 °C	Rated frequency (Hz)	50 / 60
MATERIALS		Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq40°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	Dimmable 1-10 V
Gasket	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 bracket - -10° ÷ +20° pole head
Colour	Powder coating	Wiring	Isolating switch
STANDARDS AND APPROVALS		Fixing	Pole Head - Outreach
Classification	-	Light source replaceability	By professional
Device with reduced surface temperature	-	Controlgear replaceability	By professional
DIN 18032-3 certification	Not available	Driver Box	Built-in
IPEA	-	Maximum surface exposed to the wind	0.19 m²
Insulation class	I		
IP degree	IP66		
Mechanical resistance	IK08		
Glow Wire Test	-		

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

GWT
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Product Data Sheet

GWR5616M

ROAD [5] Range

STANDARDS/APPROVALS

