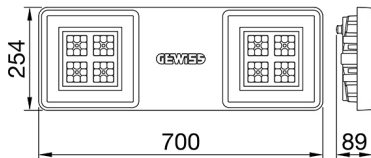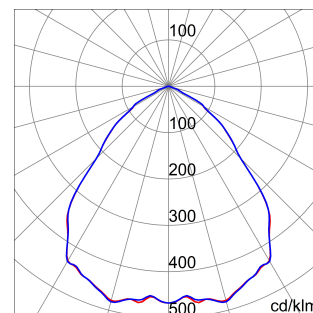# Product Data Sheet

GWS4220FA857

SMART [4]

Smart [4] ATEX is the series of LED indoor lighting appliances ideal for use in areas where flammable gases, vapours and dust are present. Two different sizes available: 1M, 2M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with venting and anti-condensation device, aluminium alloy heat dissipation device EN AB 44300. It is equipped with a dual optical system that includes a metallic reflector with ARRAY optics and a metallic reflector with UV stabilized PMMA lenses, with high efficiency, which allow a wide variety of 60°, 90° and asymmetric light distributions. The electrical connection is via a 3x1.5 mm ² H07RN-F cable with anti-condensation device exiting the product via a PG13.5 ATEX certified metal cable gland. The industrial reflector is certified ATEX II 3 G Ex nR IIC T6 Gc - II 3 D Ex tc IIIC T65°C Dc. Suspension, wall and projection appliances can be installed. It is available with three types of Colour Temperature (4000K / 5700K), Color Rendering Index CRI>80 and ON/OFF power supply.

GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Context	Logistics and industrial manufacturing lighting	Optic	Array
Luminaire	LED Industrial Reflector	Unified Glare Rating	UGR ≤ 25
Application	Internal	Lumen output (lm)	19800
Unique digital code (Datamatrix)	Datamatrix	Efficacy (lm/W)	156
Colour	Grey RAL 7035	Colour temperature	5700 K
Type of light source	LED	Colour Rendering Index	CRI>80
System power	127 W	Standard Deviation Colour Matching	SDCM = 3
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h	Photobiological Risk Class	RG0
Weight (kg)	6.5	Standard	EN 60079-0 ; EN 60079-15 ; EN 60079-31 ; EN 60598-1 ; EN 60598-2-1
Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Operating temperature	+5°C ÷ +40 °C	Rated frequency (Hz)	50/60 Hz
MATERIALS	-	Driver	Included
Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10=100.000h Tq25°C/50.000h Tq40°C
Shield type	Tempered glass Thickness 4mm	Overvoltage protection	DM 6 kV / CM 10 kV
Optic	Metallized polycarbonate reflector	Control System	ON / OFF
Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
Locking Hook	-	Mounting and installation	Ceiling - Wallmounting - Suspension
External screw	Stainless steel	Tilt	With bracket accessory
Colour	Grey RAL 7035	Wiring	Single wiring with anti-breathing cable exiting metallic PG (NO Connector)
STANDARDS AND APPROVALS	-	Fixing	-
Classification	ATEX: II 3 G Ex nR IIC T6 Gc - II 3 D Ex tc IIIC T65°C Dc	Light souce replaceability	By professional
Device with reduced surface temperature	Yes	Controlgear replaceability	By professional
DIN 18032-3 certification	-	Driver Box	Built-in
IPEA	-	Maximum surface exposed to the wind	0,184 m²
Insulation class	I		-
IP degree	IP66		-
Mechanical resistance	IK08		-
Glow Wire Test	850 °C		-

DIMENSIONAL

PHOTOMETRIC DISTRIBUTION

TECHNICAL SYMBOLOGY

5 YEARS WARRANTY

0,184 m² | **IP** IP66 | **IK** IK08 | **GWT** 850 °C

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SMART [4]

STANDARDS/APPROVALS