

Product Data Sheet

GWS4220FH857

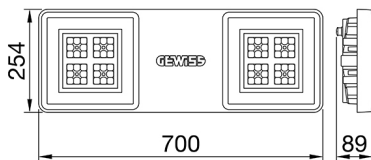
SMART [4]



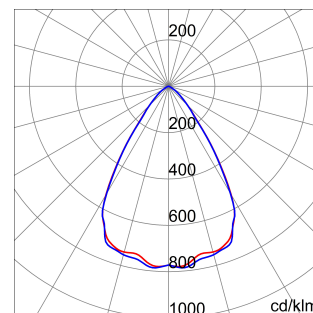
Smart [4] ATEX is the series of LED indoor lighting appliances ideal for use in areas where flammable gases, vapours and dust are present. Two different sizes available: 1M, 2M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with venting and anti-condensation device, 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 mm² 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	60°
Luminaire Application	LED Industrial Reflector Internal	Unified Glare Rating	UGR ≤ 22
Unique digital code (Datamatrix)	Datamatrix	Lumen output (lm)	19800
Colour	Grey RAL 7035	Efficacy (lm/W)	156
Type of light source	LED	Colour temperature	5700 K
System power	127 W	Colour Rendering Index	CRI>80
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h	Standard Deviation Colour Matching	SDCM = 3
Weight (kg)	6	Photobiological Risk Class	RG0
Warranty	5 years	Standard	EN 60079-0 ; EN 60079-15 ; EN 60079-31 ; EN 60598-1 ; EN 60598-2-1
Stocking temperature	-40 +70 °C	ELETRICAL AND LIGHTING FEATURES	
Operating temperature	+5°C ÷ +40 °C	Supply voltage	220 - 240 V
MATERIALS		Rated frequency (Hz)	50/60 Hz
Body	PA6 "Halogen Free" loaded fibreglass	Driver	Included
Shield type	Tempered glass Thickness 4mm	Driver failure rate	F10=100.000h Tq25°C/50.000h Tq40°C
Optic	Metallic PC reflector and PMMA lenses	Overvoltage protection	DM 6 kV / CM 10 kV
Gasket	anti-aging silicone	Control System	ON / OFF
Locking Hook	-	INSTALLATION AND MAINTENANCE	
External screw	Stainless steel	Mounting and installation	Ceiling - Wallmounting - Suspension
Colour	Grey RAL 7035	Tilt	With bracket accessory
		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 source 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 m ²
Insulation class	I		-
IP degree	IP66		-
Mechanical resistance	IK08		-
Glow Wire Test	850 °C		-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP

IP66

IK

IK08

GWT

850 °C

0,184 m²

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STANDARDS/APPROVALS

