Product Data Sheet GWS4220FA857

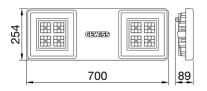
SMART [4]



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.

Luminaire LED Industrial Reflector Unified Glare Rating UGR ≤ Application Internal Lumen output (Im) 198 Unique digital code (Datamatrix) Datamatrix Efficacy 1 Colour Grey RAL 7035 Colour temperature 5700 Type of light source LED Colour Rendering Index CRI> System power 127 W Standard Deviation Colour Matching SDCM = LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 Photobiological Risk Class Rt Weight (kg) 6.5 Standard EN 60079-0; EN 60079-15; EN 60079-31; EN 60598-1; F 60598-2 Warranty 5 years ELETRICAL AND LIGHTING FEATURES 605060 Warranty 5 years ELETRICAL AND LIGHTING FEATURES 50/600 MATERIALS - Driver Driver 10/1000 Operating temperature +5°C + +40°C Rated frequency (Hz) 50/600 Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6 kV / CM 10 Optic Metallized polycarbonate reflector Control System<	GENERAL INFORMATION	-	OPTIC AND ILLUMINA	ATING FEATURES	-
Application Internal Lumen output (Im) 198 Unique digital code (Datamatrix) Datamatrix Efficacy (Im/W) 1 Colour Grey RAL 7035 Colour temperature 5700 Type of light source LED Colour Rendering Index CRI> System power 127 W Standard Deviation Colour Matching SDCM = LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 Photobiological Risk Class R Weight (kg) 6.5 Standard EN 60079-0; EN 60079-15; EN 60079-31; EN 60598-1; EN 60598-2; EL ETRICAL AND LIGHTING FEATURES Warranty 5 years ELETRICAL AND LIGHTING FEATURES Warranty 5 years ELETRICAL AND LIGHTING FEATURES Stocking temperature +5°C + +40 °C Rated frequency (Hz) 50/60 MATERIALS Driver Includ S0/40 PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=100.000h Tq25°C/50.000h Tq40 S0/40 Overvoltage protection DM 6 kV / CM 10 ON / O Gasket antti-aging silicou - Mounting and in	Context		Optic		Array
Unique digital code (Datamatrix) Datamatrix Efficacy (Im/W) 1 Colour Grey RAL 7035 Colour temperature 5700 Type of light source LED Colour Rendering Index CRI> System power 127 W Standard Deviation Colour Matching SDCM = LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 Photobiological Risk Class Rt Weight (kg) 6.5 Standard EN 60079-0; EN 60079-15; EN 60079-31; EN 60598-1; E 60588-2 Warranty 5 years ELETRICAL AND LIGHTING FEATURES 60588-2 Stocking temperature -40 +70 °C Supply voltage 220 - 240 Operating temperature -40 +70 °C Supply voltage 220 - 240 Operating temperature -40 +70 °C Rted frequency (Hz) 50/60 MATERIALS - Driver Includ 50/60 Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6 kV / CM 10 Optic Metallized polycarbonate reflector Control System ON / O Gasket anti-aging silicone INSTALLATION AND MAINTENANCE Single wiring with anti-breathing cable exiting metallic PG (for Contr	Luminaire	LED Industrial Reflector	Unified Glare Rating	UG	GR ≤ 25
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Type of light sourceLEDColour Rendering IndexCRI>System power127 WStandard Deviation Colour MatchingSDCM =LED LifetimeL90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000hPhotobiological Risk ClassRtWeight (kg)6.5Standard Deviation Colour MatchingSDCM =Warranty5 yearsELETRICAL AND LIGHTING FEATURES60598-2Stocking temperature-40 +70 °CSupply voltage220 - 240 60598-2Operating temperature+5°C + +40 °CRated frequency (Hz)50000 Tq25°C/50.000h Tq40BodyPA6 "Halogen Free" loaded fibreglassDriverF10=100.000h Tq25°C/50.000h Tq40Shield typeTempered glass Thickness 4mmOvervoltage protectionDM 6 kV / CN 10OpticMetallized polycarbonate reflectorControl SystemON / OGasketanti-aging siliconeTiltWith bracket accessLocking Hook-TiltWith bracket accessColourGrey RAL 7035ViringSingle wiring with anti-breathing cable exiting metallic PG (from the control system contro	Unique digital code (Datamatrix)	Datamatrix			156
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Warranty 5 years ELETRICAL AND LIGHTING FEATURES Stocking temperature -40 +70 °C Supply voltage 220 - 240 Operating temperature +5°C + 40 °C Rated frequency (Hz) 50/60 MATERIALS Driver Includ Body PA6 "Halogen Free" loaded fibreglass Driver r Includ Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6 kV / CM 10 Optic Metallized polycarbonate reflector Control System ON / O Gasket anti-aging silicone INSTALLATION AND MAINTENANCE Supply with bracket accesses Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspensi External screw Stainless steel Tilt With bracket accesses Colour Grey RAL 7035 Viring Single wiring with anti-breathing cable exiting metallic PG (M STANDARDS AND APPROVALS - Fixing Connect	LED Lifetime		Photobiological Risk Cl	lass	RG0
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External screw Stainless steel Tilt With bracket access Colour Grey RAL 7035 Wiring Single wiring with anti-breathing cable exiting metallic PG (to connect STANDARDS AND APPROVALS - Fixing	Gasket	anti-aging silicone	INSTALLATION AND	MAINTENANCE	-
Colour Grey RAL 7035 Wiring Single wiring with anti-breathing cable exiting metallic PG (Note: Connect	Locking Hook	-			
STANDARDS AND APPROVALS - Fixing	External screw	Stainless steel			
	Colour	Grey RAL 7035	Wiring		
Classification ATEX: II 3 G Ex nR IIC T6 Gc - II 3 D Ex to IIIC Light source replaceability By profession			Fixing		-
T65°C Dc	Classification	ATEX: II 3 G Ex nR IIC T6 Gc - II 3 D Ex tc IIIC T65°C Dc	Light souce replaceabil	ility By profe	essional
Device with reduced surface temperature Yes Controlgear replaceability By profession	Device with reduced surface temperature Yes		Controlgear replaceabi	ility By profe	essional
DIN 18032-3 certification - Driver Box Built	DIN 18032-3 certification -		Driver Box		Built-in
IPEA - Maximum surface exposed to the wind 0,184	IPEA		Maximum surface expo	osed to the wind 0	,184 m²
Insulation class	Insulation class				-
IP degree IP66	IP degree	IP66			-
Mechanical resistance IK08	Mechanical resistance	IK08			-
Glow Wire Test 850 °C	Glow Wire Test	850 °C			-

DIMENSIONAL



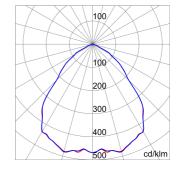
TECHNICAL SYMBOLOGY







Data, measures, designs and pictures are for information purpose only, last update 20/04/2023. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C. Terms of warranty at https://www.gewiss.com/it/en/company/landingpage/led-warranty. - 1 of 2



PHOTOMETRIC DISTRIBUTION

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SMART [4]

STANDARDS/APPROVALS

