

Product Data Sheet

GWS4220FC840

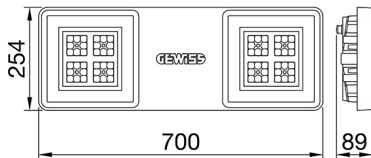
SMART [4]



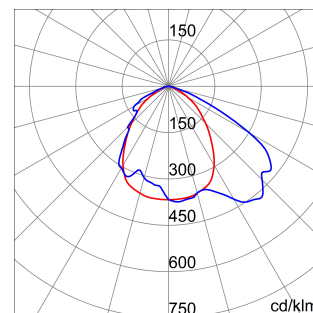
Smart [4] ATEX is the series of LED indoor lighting appliances ideal for use in areas where flammable gases, vapours and dust are present. Two different sizes available: 1M, 2M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with venting and anti-condensation device, 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 | Asymmetrical |
| Luminaire Application | LED Industrial Reflector Internal | Unified Glare Rating | - |
| Unique digital code (Datamatrix) | Datamatrix | Lumen output (lm) | 17800 |
| Colour | Grey RAL 7035 | Efficacy (lm/W) | 140 |
| Type of light source | LED | Colour temperature | 4000 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) | 7 | 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

