

# Product Data Sheet

## GWS4220FC857

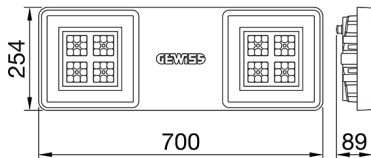
SMART [4]



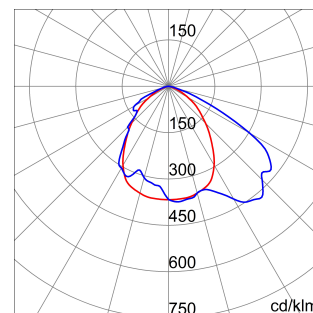
Smart [4] ATEX is the series of LED indoor lighting appliances ideal for use in areas where flammable gases, vapours and dust are present. Two different sizes available: 1M, 2M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with venting and anti-condensation device, 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<sup>2</sup> 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                  | 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)                             | 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  | ELECTRICAL 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 <sup>2</sup>   |
| 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 m<sup>2</sup>

Product Data Sheet  
**GWS4220FC857**

SMART [4]

STANDARDS/APPROVALS

