

Product Data Sheet

GWS4424AP857

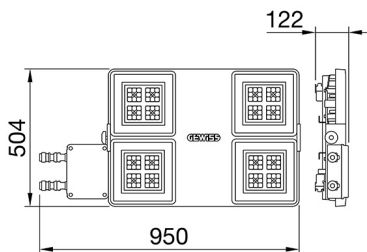
SMART [4]



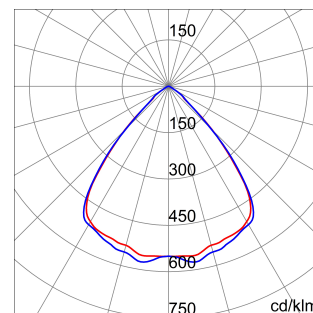
Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with vent and anti-condensation device, heat dissipation device in aluminium alloy 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 light distributions 30°, 60°, 90°, Asymmetric and Elliptical. The version with through wiring has pre-wired mechanical and electrical connection components. Suspension, wall and projection appliances can be installed. It is available with three types of Colour Temperature (3000K / 4000K / 5700K), Color Rendering Index CRI>80 and two power supply options (ON/OFF or DALI).

| GENERAL INFORMATION | | OPTIC AND ILLUMINATING FEATURES | |
|---|---|-------------------------------------|--|
| Context | Lighting for industries and large sports facilities | Optic | 90° |
| Luminaire Application | LED Industrial Reflector Internal | Unified Glare Rating | UGR ≤ 22 |
| Unique digital code (Datamatrix) | Datamatrix | Lumen output (lm) | 30800 (950 Em.) |
| Colour | Grey RAL 7035 | Efficacy (lm/W) | 163 |
| Type of light source | LED | Colour temperature | 5700 K |
| System power | 189 W (+5W Emerg.) | 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) | 15 | Photobiological Risk Class | RG0 |
| Warranty | 5 years | Standard | EN 60598-2-22 ; EN 60598-1 ; EN 60598-2-24 |
| Stocking temperature | -40 +70 °C | ELETRICAL AND LIGHTING FEATURES | |
| Operating temperature | 0 ÷ +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 | 2 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h) |
| Locking Hook | - | INSTALLATION AND MAINTENANCE | |
| External screw | Stainless steel | Mounting and installation | Ceiling light - Suspension |
| Colour | Grey RAL 7035 | Tilt | - |
| STANDARDS AND APPROVALS | | Wiring | With GW connect watertight connector |
| Classification | - | Fixing | - |
| Device with reduced surface temperature | Yes | Light source replaceability | By professional |
| DIN 18032-3 certification | - | Controlgear replaceability | By professional |
| IPEA | - | Driver Box | Built-in |
| Insulation class | I | Maximum surface exposed to the wind | 0,390 m² |
| IP degree | IP65 | - | - |
| Mechanical resistance | IK08 | - | - |
| Glow Wire Test | 850 °C | - | - |

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP

IK

GWT

0,390 m²

IP65

IK08

850 °C

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STANDARDS/APPROVALS

