

# Product Data Sheet

## GWS4420AQ830

SMART [4]



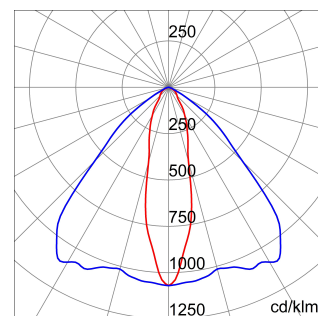
Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded 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                               | Elliptical                                |
| Luminaire Application                   | LED Industrial Reflector Internal                   | Unified Glare Rating                | -   |
| Unique digital code (Datamatrix)        | Datamatrix  | Lumen output (lm)                   | 27200                                     |
| Colour                                  | Grey RAL 7035                                       | Efficacy (lm/W)                     | 144                                       |
| Type of light source                    | LED   | Colour temperature                  | 3000 K                                    |
| System power                            | 189 W   | Colour Rendering Index              | CRI>80                                    |
| LED Lifetime                            | L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h   | Standard Deviation Colour Matching  | SDCM = 3                                  |
| Weight (kg)                             | 13.5  | Photobiological Risk Class          | RG0                                       |
| Warranty                                | 5 years   | Standard                            | EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24 |
| Stocking temperature                    | -40 +70 °C  | ELETRICAL AND LIGHTING FEATURES     |   |
| Operating temperature                   | -30°C + +50 °C                                      | Supply voltage                      | 220 - 240 V                               |
| <b>MATERIALS</b>                        |   | Rated frequency (Hz)                | 50/60 Hz                                  |
| Body                                    | PA6 "Halogen Free" loaded fibreglass                | Driver                              | Included                                  |
| Shield type                             | Tempered glass Thickness 4mm                        | Driver failure rate                 | F10=70.000h Tq25°C/35.000h Tq50°C         |
| Optic                                   | Metallic PC reflector and PMMA lenses               | Overvoltage protection              | DM 6kV / CM 6kV                           |
| 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                    |
| <b>STANDARDS AND APPROVALS</b>          |   | Wiring                              | With GW connect watertight connector      |
| Classification                          | -   | Fixing                              | -   |
| Device with reduced surface temperature | Yes   | Light souce replaceability          | By professional                           |
| DIN 18032-3 certification               | With Bracket - Rope Kit + terminal (in approval)    | Controlgear replaceability          | By professional                           |
| IPEA                                    | -   | Driver Box                          | Built-in                                  |
| Insulation class                        | I   | Maximum surface exposed to the wind | 0,350 m²                                  |
| IP degree                               | IP66  |                                     | -   |
| Mechanical resistance                   | IK08  |                                     | -   |
| Glow Wire Test                          | 850 °C  |                                     | -   |

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP  
IP66

IK  
IK08

GWT  
850 °C

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STANDARDS/APPROVALS

