

# Product Data Sheet

## GWS4222BH830

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 sports facilities     | Optic                               | 60°                                       |
| Luminaire                               | LED Industrial Reflector                          | Unified Glare Rating                | UGR ≤ 22                                  |
| Application                             | Internal  | Lumen output (lm)                   | 19000                                     |
| Unique digital code (Datamatrix)        | Datamatrix  | Efficacy (lm/W)                     | 152                                       |
| Colour                                  | Grey RAL 7035                                     | Colour temperature                  | 3000 K                                    |
| Type of light source                    | LED   | Colour Rendering Index              | CRI>80                                    |
| System power                            | 125 W   | Standard Deviation Colour Matching  | SDCM = 3                                  |
| LED Lifetime                            | L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h | Photobiological Risk Class          | RG0                                       |
| Weight (kg)                             | 6.5   | Standard                            | EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24 |
| Warranty                                | 5 years   | ELETRICAL AND LIGHTING FEATURES     |   |
| Stocking temperature                    | -40 +70 °C  | Supply voltage                      | 220 - 240 V                               |
| Operating temperature                   | -30°C ÷ +50 °C                                    | Rated frequency (Hz)                | 50/60 Hz                                  |
| MATERIALS                               |   | Driver                              | Included                                  |
| Body                                    | PA6 "Halogen Free" loaded fibreglass              | Driver failure rate                 | F10 = 70.000h Tq25°C/35.000h Tq50°C       |
| Shield type                             | Tempered glass Thickness 4mm                      | Overvoltage protection              | DM 6kV / CM 6kV                           |
| Optic                                   | Metallic PC reflector and PMMA lenses             | Control System                      | ON / OFF                                  |
| Gasket                                  | anti-aging silicone                               | INSTALLATION AND MAINTENANCE        |   |
| Locking Hook                            | -   | Mounting and installation           | Ceiling - Wallmounting - Suspension       |
| External screw                          | Stainless steel                                   | Tilt                                | With bracket accessory                    |
| Colour                                  | Grey RAL 7035                                     | Wiring                              | With GW connect watertight connector      |
| STANDARDS AND APPROVALS                 |   | Fixing                              | -   |
| Classification                          | -   | Light source replaceability         | By professional                           |
| Device with reduced surface temperature | Yes   | Controlgear replaceability          | By professional                           |
| DIN 18032-3 certification               | With Bracket - Rope Kit + terminal (in approval)  | Driver Box                          | Built-in                                  |
| IPEA                                    | -   | Maximum surface exposed to the wind | 0,184 m²                                  |
| 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

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STANDARDS/APPROVALS

