

# Product Data Sheet

## GWS4421HF840

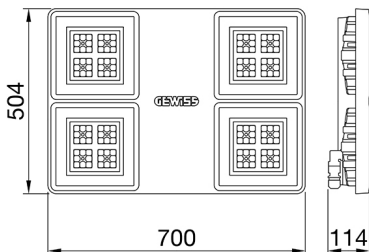
SMART [4]



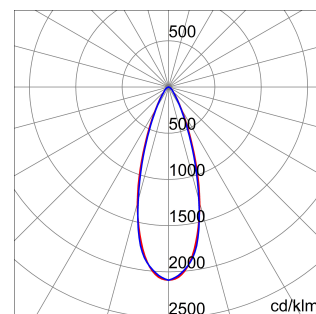
Smart [4] HACCP is the series of indoor LED lighting devices suitable for lighting in the food and beverage industry, ideal for illuminating production areas, warehouses and logistics areas. Three different sizes available: 1M, 2M and 4M. The body is made of nylon "Halogen-free" loaded with grey fibreglass (RAL7035) with venting and anti-condensation device, aluminium alloy heat dissipation device EN AB 44300. It is equipped with a double optical system that provides a metallic reflector with ARRAY optics and a metallic reflector with PMMA lenses stabilized at UV, high efficiency, which allow a wide variety of light distributions 30°, 60°, and 90°, asymmetric and elliptical, screen in PMMA. It is possible to install hanging, wall and projection devices. It is available with three types of Colour Temperature (4000K / 5700K), CRI>80 Colour Rendering Index and two power supply options (ON/OFF or DALI).

| GENERAL INFORMATION                     |  | OPTIC AND ILLUMINATING FEATURES     |   |
|---|--|-------------------------------------|---|
| Context                                 | Lighting of logistical and industrial food productive premises | Optic                               | 30°                                       |
| Luminaire                               | LED Industrial Reflector                                       | Unified Glare Rating                | UGR ≤ 19                                  |
| Application                             | Internal   | Lumen output (lm)                   | 39200                                     |
| Unique digital code (Datamatrix)        | Datamatrix   | Efficacy (lm/W)                     | 155                                       |
| Colour                                  | Grey RAL 7035  | Colour temperature                  | 4000 K                                    |
| Type of light source                    | LED  | Colour Rendering Index              | CRI>80                                    |
| System power                            | 253 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)                             | 13.5   | 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 +50 °C   | Rated frequency (Hz)                | 50/60 Hz                                  |
| MATERIALS                               |  | Driver                              | Included                                  |
| Body                                    | PA6 "Halogen Free" loaded fibreglass                           | Driver failure rate                 | F10=100.000h Tq25°C/50.000h Tq50°C        |
| Shield type                             | PMMA   | Overvoltage protection              | DM 6 kV / CM 10 kV                        |
| Optic                                   | Metallic PC reflector and PMMA lenses                          | Control System                      | 1 x DALI DT6                              |
| 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               | -  | Driver Box                          | Built-in                                  |
| IPEA                                    | -  | Maximum surface exposed to the wind | 0,350 m²                                  |
| Insulation class                        | I  |                                     | -   |
| IP degree                               | IP65   |                                     | -   |
| Mechanical resistance                   | IK07   |                                     | -   |
| Glow Wire Test                          | 650 °C   |                                     | -   |

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLLOGY



IP  
IP65

IK  
IK07

GWT  
650 °C

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STANDARDS/APPROVALS

