



Smart [4] HT is the series of LED indoor appliances suitable for the food industry, production areas or warehouses where critical temperatures develop. Three different sizes available: 1M, 2M and 4M. 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-stabilised, high-efficiency PMMA lenses, which allow a wide variety of 60°, 90° and Elliptical light distributions. Operating temperature range "Ta" between -30°C and + 60°C. 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

|                                  |  |
|----------------------------------|--|
| Context                          | Logistics and industrial manufacturing lighting  |
| Luminaire                        | LED Industrial Reflector                         |
| Application                      | Internal   |
| Unique digital code (Datamatrix) | Datamatrix                                       |
| Colour                           | Grey RAL 7035                                    |
| Type of light source             | LED  |
| System power                     | 95 W   |
| LED Lifetime                     | L90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000h |
| Weight (kg)                      | 6.5  |

|                       |                |
|-----------------------|----------------|
| Warranty              | 5 years        |
| Stocking temperature  | -40 +70 °C     |
| Operating temperature | -30°C + +60 °C |

### MATERIALS

|                |                                       |
|----------------|---------------------------------------|
| Body           | PA6 "Halogen Free" loaded fibreglass  |
| Shield type    | Tempered glass Thickness 4mm          |
| Optic          | Metallic PC reflector and PMMA lenses |
| Gasket         | anti-aging silicone                   |
| Locking Hook   | -                                     |
| External screw | Stainless steel                       |
| Colour         | Grey RAL 7035                         |

### STANDARDS AND APPROVALS

|   |   |
|---|---|
| Classification                          | -   |
| Device with reduced surface temperature | Yes   |
| DIN 18032-3 certification               | Available (under certain installation conditions) |
| IPEA                                    | -   |
| Insulation class                        | I   |
| IP degree                               | IP66  |
| Mechanical resistance                   | IK08  |
| Glow Wire Test                          | 850 °C  |

### OPTIC AND ILLUMINATING FEATURES

|                                    |   |
|------------------------------------|---|
| Optic                              | Elliptical                                |
| Unified Glare Rating               | -   |
| Lumen output (lm)                  | 14200                                     |
| Efficacy (lm/W)                    | 149                                       |
| Colour temperature                 | 4000 K                                    |
| Colour Rendering Index             | CRI>80                                    |
| Standard Deviation Colour Matching | SDCM = 3                                  |
| Photobiological Risk Class         | RG0                                       |
| Standard                           | EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24 |

### ELETRICAL AND LIGHTING FEATURES

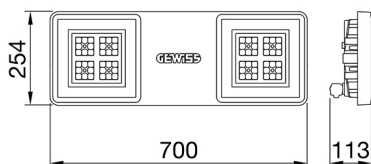
|                        |                                    |
|------------------------|------------------------------------|
| Supply voltage         | 220 - 240 V                        |
| Rated frequency (Hz)   | 50/60 Hz                           |
| Driver                 | Included                           |
| Driver failure rate    | F10=100.000h Tq25°C/50.000h Tq60°C |
| Overvoltage protection | DM 6 kV / CM 10 kV                 |
| Control System         | ON / OFF                           |

### INSTALLATION AND MAINTENANCE

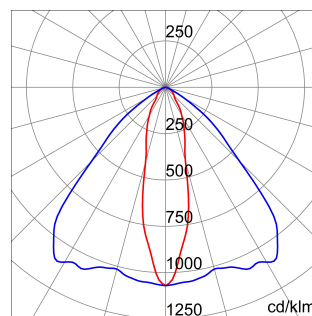
|                             |                                      |
|-----------------------------|--------------------------------------|
| Mounting and installation   | Ceiling - Wallmounting - Suspension  |
| Tilt                        | With bracket accessory               |
| Wiring                      | With GW connect watertight connector |
| Fixing                      | -                                    |
| Light source replaceability | By professional                      |
| Controlgear replaceability  | By professional                      |
| Driver Box                  | Built-in                             |

|                                     |          |
|-------------------------------------|----------|
| Maximum surface exposed to the wind | 0,184 m² |
|-------------------------------------|----------|

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY





Product Data Sheet  
**GWS4220CQ840**

SMART [4]

STANDARDS/APPROVALS

