



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

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Context                          | Lighting for industries and large sports facilities |
| Luminaire                        | LED Industrial Reflector                            |
| Application                      | Internal                                            |
| Unique digital code (Datamatrix) | Datamatrix                                          |
| Colour                           | Grey RAL 7035                                       |
| Type of light source             | LED                                                 |
| System power                     | 253 W                                               |
| LED Lifetime                     | L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h   |
| Weight (kg)                      | 13.5                                                |

|                       |                |
|-----------------------|----------------|
| Warranty              | 5 years        |
| Stocking temperature  | -40°C ÷ +70°C  |
| Operating temperature | -30°C ÷ +50 °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                              | Asymmetrical                              |
| Unified Glare Rating               | -                                         |
| Lumen output (lm)                  | 35600                                     |
| Efficacy (lm/W)                    | 141                                       |
| 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

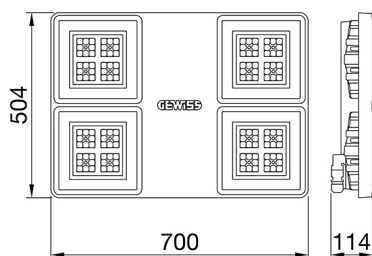
|                        |                                     |
|------------------------|-------------------------------------|
| Supply voltage         | 220 - 240 V                         |
| Rated frequency (Hz)   | 50/60 Hz                            |
| Driver                 | Included                            |
| Driver failure rate    | F10 = 70.000h Tq25°C/35.000h Tq50°C |
| Overvoltage protection | DM 6kV / CM 6kV                     |
| Control System         | ON / OFF                            |

#### INSTALLATION AND MAINTENANCE

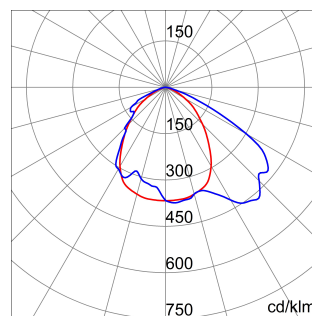
|                            |                                      |
|----------------------------|--------------------------------------|
| Mounting and installation  | Ceiling - Wallmounting - Suspension  |
| Tilt                       | With bracket accessory               |
| Wiring            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

|                                     |          |
|-------------------------------------|----------|
| Maximum surface exposed to the wind | 0,350 m² |
|-------------------------------------|----------|

#### DIMENSIONAL



#### PHOTOMETRIC DISTRIBUTION



#### TECHNICAL SYMBOLOGY





# Product Data Sheet

## GWS4422BC840

40 CDI Range

### STANDARDS/APPROVALS

