



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).

### ALGEMENE INFORMATIE

|                                   |   |
|-----------------------------------|---|
| Context                           | Verlichting van logistieke en industriële voedselproductieruimten |
| Armatuur                          | LED industriële reflector   |
| Toepassing                        | Intern  |
| Unieke digitale code (Datamatrix) | Datamatrix  |
| Kleur                             | Grijs RAL 7035  |
| Soort lichtbron                   | LED   |
| Systeem vermogen                  | 253 W   |
| Levensduur led                    | L90B10(Tq25 °C)>150.000u; L90B10 (Tq50 °C)=100.000u               |
| Gewicht (kg)                      | 13.5  |

|                     |                 |
|---------------------|-----------------|
| Garantie            | 5 jaar          |
| Opslagtemperatuur   | -40 +70 °C      |
| Bedrijfstemperatuur | -30 °C + +50 °C |

### MATERIALEN

|                 |   |
|-----------------|---|
| Behuizing       | PA6 "Halogeenvrij" belaste glasvezel    |
| Schildtype      | PMMA                                    |
| Optiek          | Gemetalliseerde polycarbonaat reflector |
| Pakking         | anti-aging silicone                     |
| Slothaak        | -                                       |
| Externe schroef | Rvs                                     |
| Kleur           | Grijs RAL 7035                          |

### NORMEN EN GOEDKEURINGEN

|  |   |
|--|---|
| Classificatie                                    | -   |
| Apparaat met gereduceerde oppervlaktetemperatuur | Ja  |
| DIN 18032-3 certificering                        | Beschikbaar (onder bepaalde installatievoorwaarden) |

|                       |        |
|-----------------------|--------|
| IPEA                  | -      |
| Isolatie klasse       | I      |
| IP waarde             | IP65   |
| Mechanische weerstand | IK07   |
| Gloeidraadtest        | 650 °C |

### OPTISCHE EN VERLICHTINGSKENMERKEN

|                             |   |
|-----------------------------|---|
| Optiek                      | Matrix                                    |
| Unified Glare Rating        | UGR ≤ 25                                  |
| Lumen output (lm)           | 39600                                     |
| Effectiviteit (lm/W)        | 157                                       |
| Kleur temperatuur           | 4000 K                                    |
| Kleurweergave-index (CRI)   | CRI>80                                    |
| Kleurconsistentie (SDCM)    | SDCM = 3                                  |
| Fotobiologisch risicoklasse | RG0                                       |
| Standaard                   | EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24 |

### ELEKTRISCHE EN VERLICHTINGSKENMERKEN

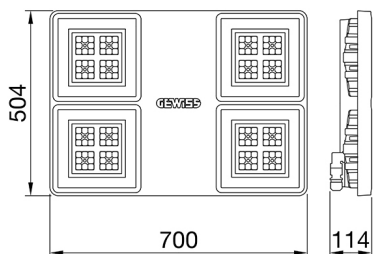
|                          |                                      |
|--------------------------|--------------------------------------|
| Voeding voltage          | 220 - 240 V                          |
| Nominale frequentie (Hz) | 50/60 Hz                             |
| Driver                   | Inbegrepen                           |
| Uitvalpercentage driver  | F10=100.000u Tq25 °C/50.000u Tq50 °C |
| Overspanningsbescherming | DM 6 kV / CM 10 kV                   |
| Besturingssysteem        | 1 x DALI DT6                         |

### INSTALLATIE EN ONDERHOUD

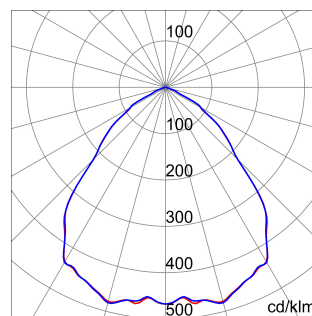
|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Montage en installatie            | Plafond - Wandmontage - Ophanging    |
| Helling                           | Met beugelaccessoire                 |
| Bedrading                         | Met GW connect waterdichte connector |
| Bevestiging                       | -                                    |
| Vervangbaarheid lichtbron         | Door professional                    |
| Vervangbaarheid verdeelinrichting | Door professional                    |
| Driver box                        | Ingebouwd                            |

|   |          |
|---|----------|
| Maximaal oppervlak blootgesteld aan de wind | 0,350 m² |
|---|----------|

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY





# Product Data Sheet

## GWS4421HA840

SMART [4]

### STANDARDS/APPROVALS

