



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).

| ALGEMENE INFORMATIE                              |   | OPTISCHE EN VERLICHTINGSKENMERKEN           |   |
|--|---|---|---|
| Context  | Verlichting voor industrieën en grote sportfaciliteiten | Optiek                                      | 90°                                       |
| Armatuur   | LED industriële reflector                               | Unified Glare Rating                        | UGR ≤ 22                                  |
| Toepassing                                       | Intern  | Lumen output (lm)                           | 30800                                     |
| Unieke digitale code (Datamatrix)                | Datamatrix  | Effectiviteit (lm/W)                        | 163                                       |
| Kleur  | Grijs RAL 7035  | Kleur temperatuur                           | 5700 K                                    |
| Soort lichtbron                                  | LED   | Kleurweergave-index (CRI)                   | CRI>80                                    |
| Systeem vermogen                                 | 189 W   | Kleurconsistentie (SDCM)                    | SDCM = 3                                  |
| Levensduur led                                   | L90B10(Tq25 °C)>150.000u; L90B10 (Tq50 °C)=100.000u     | Fotobiologisch risicoklasse                 | RG0                                       |
| Gewicht (kg)                                     | 13.5  | Standaard                                   | EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24 |
| Garantie   | 5 jaar  | ELEKTRISCHE EN VERLICHTINGSKENMERKEN        |   |
| Opslagtemperatuur                                | -40 +70 °C  | Voeding voltage                             | 220 - 240 V                               |
| Bedrijfstemperatuur                              | -30 °C ÷ +50 °C   | Nominale frequentie (Hz)                    | 50/60 Hz                                  |
| MATERIALEN                                       |   | Driver                                      | Inbegrepen                                |
| Behuizing  | PA6 "Halogeenvrij" belaste glasvezel                    | Uitvalpercentage driver                     | F10=100.000u Tq25 °C/50.000u Tq50 °C      |
| Schildtype                                       | Dikte gehard glas 4 mm                                  | Overspanningsbescherming                    | DM 6 kV / CM 10 kV                        |
| Optiek   | Metalen PC-reflector en PMMA-lenzen                     | Besturingssysteem                           | 1 x DALI DT6                              |
| Pakking  | anti-aging silicone                                     | INSTALLATIE EN ONDERHOUD                    |   |
| Slothaak   | -   | Montage en installatie                      | Plafond - Wandmontage - Ophanging         |
| Externe schroef                                  | Rvs   | Helling                                     | Met beugelaccessoire                      |
| Kleur  | Grijs RAL 7035  | Bedrading                                   | Met GW connect waterdichte connector      |
| NORMEN EN GOEDKEURINGEN                          |   | Bevestiging                                 | -   |
| Classificatie                                    | -   | Vervangbaarheid lichtbron                   | Door professional                         |
| Apparaat met gereduceerde oppervlaktetemperatuur | Ja  | Vervangbaarheid verdeelinrichting           | Door professional                         |
| DIN 18032-3 certificering                        | Beschikbaar (onder bepaalde installatievoorwaarden)     | Driver box                                  | Ingebouwd                                 |
| IPEA   | -   | Maximaal oppervlak blootgesteld aan de wind | 0,350 m²                                  |
| Isolatie klasse                                  | I   |   | -   |
| IP graad   | IP66  |   | -   |
| Mechanische weerstand                            | IK08  |   | -   |
| Gloedraadtest                                    | 850 °C  |   | -   |

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY





Product Data Sheet  
**GWS4421AP857**

SMART [4]

STANDARDS/APPROVALS

