



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

| | |
|-----------------------------------|---|
| Context | Verlichting voor industrieën en grote sportfaciliteiten |
| Armatuur | LED industriële reflector |
| Toepassing | Intern |
| Unieke digitale code (Datamatrix) | Datamatrix |
| Kleur | Grijs RAL 7035 |
| Soort lichtbron | LED |
| Systeem vermogen | 189 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 | Dikte gehard glas 4 mm |
| 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) |

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|-----------------------|--------|
| IPEA | - |
| Isolatie klasse | I |
| IP waarde | IP66 |
| Mechanische weerstand | IK08 |
| Gloeidraadtest | 850 °C |

OPTISCHE EN VERLICHTINGSKENMERKEN

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|-----------------------------|----------|
| Optiek | Matrix |
| Unified Glare Rating | UGR ≤ 25 |
| Lumen output (lm) | 29200 |
| Effectiviteit (lm/W) | 154 |
| Kleur temperatuur | 3000 K |
| Kleurweergave-index (CRI) | CRI>80 |
| Kleurconsistentie (SDCM) | SDCM = 3 |
| Fotobiologisch risicoklasse | RG0 |

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|-----------|---|
| Standaard | EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24 |
|-----------|---|

ELEKTRISCHE EN VERLICHTINGSKENMERKEN

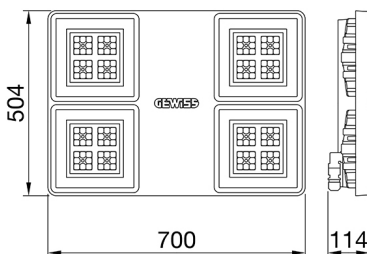
| | |
|--------------------------|--------------------------------------|
| Voeding voltage | 220 - 240 V |
| Nominale frequentie (Hz) | 50/60 Hz |
| Driver | Inbegrepen |
| Uitvalpercentage driver | F10=100.000u Tq25 °C/50.000u Tq50 °C |
| Overspanningsbescherming | DM 6 kV / CM 10 kV |
| Besturingssysteem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

INSTALLATIE EN ONDERHOUD

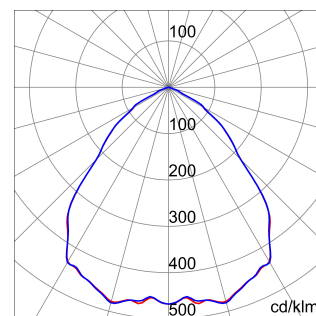
| | |
|-----------------------------------|--------------------------------------|
| Montage en installatie | Plafond - Wandmontage - Ophanging |
| Helling | Met beugelaccessoire |
| Bedrading | Met GW connect waterdichte connector |
| Bevestiging | - |
| Vervangbaarheid lichtbron | Door professional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

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

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY





Product Data Sheet

GWS4421AA830

SMART [4]

STANDARDS/APPROVALS

