

SMART [4]



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 sports facilities |
| Luminaire | LED Industrial Reflector |
| Toepassing | Intern |
| Unique digital code (Datamatrix) | Datamatrix |
| Kleur | Grijs RAL 7035 |
| Type lichtbron | LED |
| System power | 125 W (+5W Emerg.) |
| LED Lifetime | L90B10(Tq25°C)>150.000h; L90B10(Tq40°C)=140.000h |
| Gewicht (kg) | 8 |
| Garantie | 5 jaar |
| Opslagtemperatuur | -40 +70 °C |
| Operating temperature | 0 + +40 °C |

OPTIC AND ILLUMINATING FEATURES

| | |
|------------------------------------|--|
| Optiek | Array |
| Unified Glare Rating | - |
| Lumen output (lm) | 19800 (950 Em.) |
| Efficacy (lm/W) | 158 |
| Kleur temperatuur | 5700 K |
| Colour Rendering Index | CRI>80 |
| Standard Deviation Colour Matching | SDCM = 3 |
| Photobiological Risk Class | RG0 |
| Standaard | EN 60598-2-22 ; EN 60598-1 ; EN 60598-2-24 |

MATERIALS

| | |
|----------------|--------------------------------------|
| Body | PA6 "Halogen Free" loaded fibreglass |
| Type plaat | Tempered glass Thickness 4mm |
| Optic | Metallized polycarbonate reflector |
| Gasket | anti-aging silicone |
| Locking Hook | - |
| External screw | Roestvrij staal |
| Colour | Grijs RAL 7035 |

ELETRICAL AND LIGHTING FEATURES

| | |
|--------------------------|---|
| Voedings-spanning | 220 - 240 V |
| Nominale frequentie (Hz) | 50/60 Hz |
| Driver | Included |
| Driver failure rate | F10 = 100.000h Tq25°C/50.000h Tq40°C |
| Overvoltage protection | DM 6 kV / CM 10 kV |
| Control System | 1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h) |

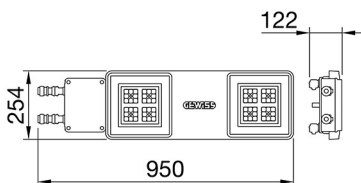
STANDARDS AND APPROVALS

| | |
|--|---|
| Classificering | - |
| Toestel met verlaagde oppervlaktetemperatuur | Ja |
| DIN 18032-3-certificering | Available (under certain installation conditions) |
| IPEA | - |
| Isolatie-klasse | I |
| IP-graad | IP65 |
| Stootbestendigheid | IK08 |
| Glow Wire Test | 850 °C |

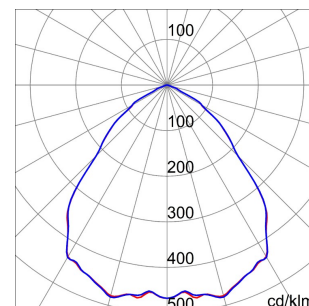
INSTALLATION AND MAINTENANCE

| | |
|-----------------------------|--------------------------------------|
| Mounting and installation | Ceiling light - Suspension |
| Tilt | - |
| Wiring | With GW connect watertight connector |
| Bevestiging | - |
| Light source replaceability | By professional |
| Controlgear replaceability | By professional |

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



SMART [4]

TECHNICAL SYMBOLOGY



0,220 m²



IP
IP65

IK
IK08

GWT
850 °C

STANDARDS/APPROVALS

