

Smart [PRO]e



SMART [PRO]e 1M is a medium-power outdoor and indoor LED floodlight, ideal for lighting small to medium-sized areas and sports facilities. It can be installed on the wall, ceiling or ground thanks to the galvanised steel bracket which is powder coated in polyester with trivalent passivation and equipped with an adjustable goniometric scale and supplied in kit form. The main body is made in die cast aluminium EN AB 46100, with an integrated passive heat sink, and powder coated polyester frame with trivalent passivation. COB LED technology for high efficacy. Reflector made of metallised PC-HT or anodised and polished aluminium. 4mm thick toughened front glass, silkscreen printed for symmetrical versions or with anti-reflective nanocoating for asymmetrical versions. Anti-ageing silicone gaskets and A2 stainless steel exterior screws. Plastic venting and anti-condensation device. Electrical connection via 5x1mm² H07RN-F cable. Insulation Class 1. Built-in 1-10V dimmable driver. Available with five different types of optics, three types of Correlated Colour Temperature (3000K/4000K/5700K) and two different types of Colour Rendering Index (CRI70, CRI80). Designed to withstand surges up to 6KV (differential mode) and 10KV (common mode), temperature variations from -30°C to +40°C, water and dust penetration up to IP66, and impact up to IK08.

GENERAL INFORMATION

| | |
|----------------------------------|---|
| Context | Floodlighting and small- to medium-size sports facilities |
| Luminaire | LED luminaire with mid lumen power |
| Toepassing | Binnenshuis / buitenshuis |
| Unique digital code (Datamatrix) | Currently not present |
| Kleur | Grafietgrijs |
| Type lichtbron | Led - niet vervangbaar |
| System vermogen | 150 W |
| LED Lifetime | L90B10 (Tq+25°C) = 100000h; L80B10 (Tq+25°C) > 150000h |
| Gewicht (kg) | 5.7 |
| Garantie | 5 jaar |
| Opslagtemperatuur | - |
| Operating temperature | -30 +40 °C |

OPTIC AND ILLUMINATING FEATURES

| | |
|------------------------------------|---|
| Optiek | ASW - Asymmetrical Wide |
| Unified Glare Rating | G*6 - ULOR = 0% |
| Lumen-vermogen (lm) | 22800 |
| Efficacy (lm/W) | 152 |
| Kleur temperatuur | 5700 K |
| Colour Rendering Index | CRI>70 |
| Standard Deviation Colour Matching | SDCM = 3 |
| Photobiological Risk Class | RG1 |
| Standaard | EN60598-1; EN60598-2-5; IEC62778; EN13201 |

MATERIALS

| | |
|----------------|--|
| Body | Gietaluminium - |
| Type plaat | Anti-reflective super-transparent 4 mm thick surface glass |
| Optic | Polished anodised aluminium reflector with 99.99% pure aluminium |
| Gasket | Anti-ageing silicone |
| Locking Hook | - |
| External screw | Stainless steel |
| Colour | Polyester powder coated with epoxy base coat |

ELETRICAL AND LIGHTING FEATURES

| | |
|--------------------------|-----------------------|
| Voedings-spanning | 220 - 240 V |
| Nominale frequentie (Hz) | 50 / 60 |
| Driver | Included |
| Driver failure rate | F10 = 100.000h Tq25°C |
| Overvoltage protection | DM 6 kV / CM 10 kV |
| Control System | Standalone - 1/10 V |

INSTALLATION AND MAINTENANCE

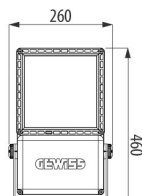
| | |
|----------------------------|---|
| Mounting and installation | High-mast lighting - Wall mounting - Ground mouting |
| Tilt | Rotation on bracket with integrated goniometer |
| Wiring | With H07RN-F multi-pole cable |
| Bevestiging | Beugel |
| Light souce replaceability | By professional |
| Controlgear replaceability | - |

STANDARDS AND APPROVALS

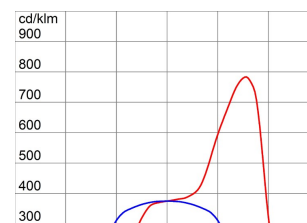
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|--|---------|
| Classificering | - |
| Toestel met verlaagde oppervlaktetemperatuur | - |
| DIN 18032-3-certificering | Conform |
| IPEA | - |
| Isolatie-klasse | I |
| IP-graad | IP66 |
| Stootbestendigheid | IK08 |

| | |
|-------------------------------------|---|
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| Wiring | With H07RN-F multi-pole cable |
| Bevestiging | Beugel |
| Light souce replaceability | By professional |
| Controlgear replaceability | - |
| Driver Box | Ingebouwd |
| Maximum surface exposed to the wind | 0,085 m2 |

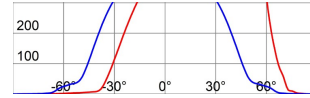
DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



Smart [PRO]e



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

STANDARDS/APPROVALS

