

Smart [PRO]e



SMART [PRO]e 2M 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. Power supply unit and IP68 connector kit supplied separately. 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 +50°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
System vermogen	300 W
LED Lifetime	L90B10 (Tq+25°C) = 100000h; L80B10 (Tq+25°C) > 150000h
Gewicht (kg)	8
Garantie	5 jaar
Opslagtemperatuur	-
Operating temperature	-30°C ÷ +50 °C

MATERIALS

Body	Gietaluminium -
Type plaat	Flat tempered glass 4mm
Optic	Metallised PC-HT Reflector
Gasket	Anti-ageing silicone
Locking Hook	-
External screw	Stainless steel
Colour	Polyester powder coated with epoxy base coat

STANDARDS AND APPROVALS

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

OPTIC AND ILLUMINATING FEATURES

Optiek	SM - Symmetrical Medium
Unified Glare Rating	G*6 - ULOR = 0%
Lumen-vermogen (lm)	45000
Efficacy (lm/W)	150
Kleurtemperatuur	4000 K
Colour Rendering Index	CRI>70
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG1
Standaard	EN60598-1; EN60598-2-5; IEC62778; EN13201

ELECTRICAL AND LIGHTING FEATURES

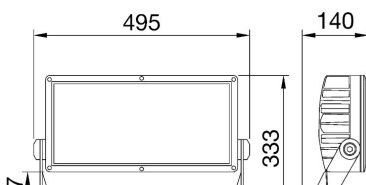
Voedings-spanning	See external supply unit
Nominale frequentie (Hz)	See external supply unit
Driver	Included
Driver failure rate	See external supply unit
Overvoltage protection	See external supply unit
Control System	See external supply unit

INSTALLATION AND MAINTENANCE

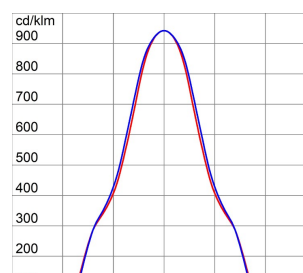
Mounting and installation	High-mast lighting - Wall mounting - Ground mouting
Tilt	Rotation on bracket with integrated goniometer
Wiring	Watertight connector between floodlight and power supply - to be ordered separately
Bevestiging	Beugel
Light source replaceability	By professional
Controlgear replaceability	-

Driver Box	Extern
Maximum surface exposed to the wind	0.1 m ²

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



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TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

STANDARDS/APPROVALS

