



SMART[PRO]e 1M is a medium-power LED floodlight for outdoor and indoor use, ideal for illuminating small and medium-sized areas and sports facilities. It can be installed on walls, ceilings or the ground thanks to its galvanised steel bracket, painted with polyester powder with trivalent passivation and equipped with an adjustable goniometric scale.

EN AB 46100 die-cast aluminium housing with integrated passive heat sink and polyester powder-coated 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 external screws. Plastic venting and anti-condensation device. Electrical connection via 5x1mm² H07RN-F cable. Insulation Class 1.

Integrated 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 (CRI>70, CRI>80). Designed to withstand overvoltage 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	Proiezione e impianti sportivi di piccole e medie dimensioni
Luminaire	Apparecchio per proiezione LED di media potenza
Application	Indoor / Outdoor
Unique digital code (Datamatrix)	Currently not present
Colour	Graphite grey
Type of light source	LED - Not replaceable
System power	150 W
LED Lifetime	L90B10 (Tq+25°C) = 100000h; L80B10 (Tq+25°C) > 150000h
Weight (kg)	5.7
Warranty	5 years
Stocking temperature	-
Operating temperature	-30 +40 °C

MATERIALS

Body	Die-cast aluminium
Shield type	Flat tempered glass 4mm
Optic	Riflettore in PC HT metallizzato
Gasket	Anti-ageing silicone
Locking Hook	-
External screw	Stainless steel
Colour	Verniciato a polvere poliestere con fondo epossidico

STANDARDS AND APPROVALS

Classification	-
Device with reduced surface temperature	-
DIN 18032-3 certification	Yes
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08

OPTIC AND ILLUMINATING FEATURES

Optic	SM - Symmetrical Medium
Unified Glare Rating	G*6 - ULOR = 0%
Lumen output (lm)	20900
Efficiency (lm/W)	139
Colour temperature	3000 K
Color Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG1
Standard	EN60598-1; EN60598-2-5; IEC62778; EN13201

ELETRICAL AND LIGHTING FEATURES

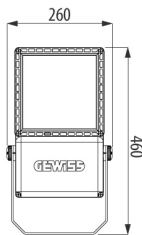
Supply voltage	220 - 240 V
Rated frequency (Hz)	50 / 60
Driver	Included
Driver failure rate	F10 = 100.000h Tq25°C
Overvoltage protection	DM 6 kV / CM 10 kV
Control System	Stand Alone - 1/10V

INSTALLATION AND MAINTENANCE

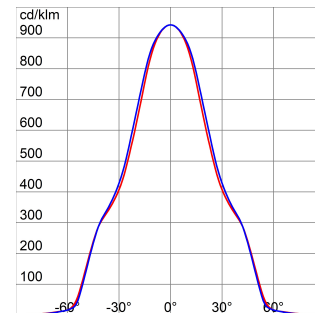
Mounting and installation	High-mast lighting - Wall mounting - Ground mouting
Tilt	Rotation on bracket with integrated goniometer
Wiring	Con cavo multipolare H07RN-F

Fixing	Bracket
Light souce replaceability	By professional
Controlgear replaceability	-
Driver Box	Built-in
Maximum surface exposed to the wind	0,085 m ²

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

STANDARDS/APPROVALS

