

### Smart [PRO] 2.0



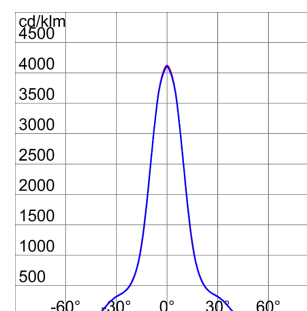
SMART [PRO] 2.0 is a medium power outdoor and indoor LED projector, suitable for lighting sports areas and facilities. It can be installed on the wall, ceiling or ground thanks to the polyester powder coated galvanised steel bracket, with trivalent passivation, equipped with adjustable goniometric scale and supplied in kit. The body is produced in aluminium die casting EN AB 46100, with integrated passive heat sink, powder coated polyester with trivalent passivation. Metal core PCB with CSP LED. Reflector made of metallic HT PC or anodised and polished aluminium. Hardened front glass with 4mm thickness, anti-ageing silicone seals and A2 stainless steel exterior screws. Plastic venting and anti-condensation device. Electrical connection via IP68 connector for 1.5mm<sup>2</sup> cables. Insulation class 1. Driver integrated in options 1-10 V or DALI. Available with nine different types of optics, three types of Colour Temperature (3,000K/4,000K/5,700K) and two different types of Chromatic Yield Index (CRI>70, CRI>80). Designed to withstand surges up to 5KV (RCCB mode) and 10KV (common mode), temperature variations from -30°C to +50°C, water and dust penetration up to IP66 protection and impacts up to IK08.

GENERAL INFORMATION		OPTIC AND ILLUMINATING FEATURES	
Context	Sport, Big Areas	Óptica	C2 - Circular 25°
Luminaire	LED luminaire with small, mid and high lumen power	Unified Glare Rating	G*6 - ULOR = 0
Aplicação	Interior/Exterior	Lúmen saída (lm)	20000
Unique digital code (Datamatrix)	Currently not present	Efficiency (lm/W)	121
Cor	Cinza grafite	Temperatura de cor	5700 K
Tipo de fonte luminosa	LED - Não substituível	Color Rendering Index	CRI>70
Potência de sistema	165 W	Standard Deviation Colour Matching	SDCM = 5
LED Lifetime	L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=110.000h	Photobiological Risk Class	-
Peso (kg)	5.7	Norma	EN60598-1; EN60598-2-5; EN60598-2-24; IEC 62778; IEC62471; EN13201
Garantia	5 anos	ELETRICAL AND LIGHTING FEATURES	
Temperatura de armazenagem	-	Tensão de alimentação	220 - 240 V
Operating temperature	-30 +40 °C	Frequência nominal (Hz)	50 / 60
MATERIALS		Driver	Included
Body	Injeção de alumínio	Driver failure rate	F10 = 100.000h Tq25°C
Vidro	Flat tempered glass 4mm	Overvoltage protection	DM 6 kV / CM 10 kV
Optic	Polished quartz and metallized PC HT reflector	Control System	Stand Alone - 1/10V
Gasket	Anti-ageing silicone	INSTALLATION AND MAINTENANCE	
Locking Hook	Hexagonal metric screws	Mouting and installation	High-mast lighting - Wall mounting - Ground mouting
External screw	Stainless steel	Tilt	Rotation on bracket with integrated goniometer
Colour	Polyester powder coated	Wiring	Watertight connector
STANDARDS AND APPROVALS		Fixação	Bracket
Classificação	-	Optic Maintenance	Not available
Aparelho com reduzida temperatura superficial	Si	LED Maintenance	Not available
Certificação DIN 18032-3	Si	Driver Box	Integrado
IPEA	-	Superfície máxima exposta ao vento	0,085 m2
Classe isolamento	I		-
Grau de protecção	IP66		-
Resistên. golpes	IK08		-
Glow Wire Test	-		-

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



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### TECHNICAL SYMBOLOGY



**IP**  
IP66

**IK**  
IK08

**GWT**  
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### STANDARDS/APPROVALS

