

Product Data Sheet GWP2184NB

SMART [PRO] 2.0



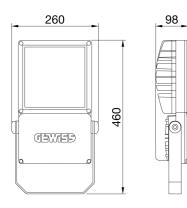
SMART [PRO] 2.0 is a medium power outdoor and indoor LED projector, suitable for lighting sports areas and facilities. It can be installed on the wall, ceiling or ground thanks to the polyester powder coated galvanised steel bracket, with trivalent passivation, equipped with adjustable goniometric scale 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.

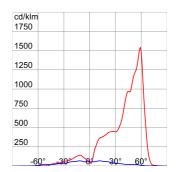
Reflector made of metallic HT PC or anodised and polished aluminium. Hardened front glass with 4mm thickness, anti-ageing silicone seals and A2 stainless steel exterior screws. Plastic venting and anticondensation device. Electrical connection via IP68 connector for 1.5mm2 cables. Insulation class 2. Driver integrated in DALI options. 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 degree of protection and impacts up to IK08 grade.

Luminaire LED luminaire with small, mid and high lumen power Unified Glare Rating G*6 - ULOR = power Application Indoor / Outdoor Lumen output (lm) 1760 Unique digital code (Datamatrix) Currently not present Efficacy 10 Colour Graphite grey Colour temperature 4000 Colour Graphite grey Colour temperature 4000 System power 165 W Standard Deviation Colour Matching SDCM = photobiological Risk Class LED Lifetime L90B10(Tq25°C)=50.000h; L80B10 Photobiological Risk Class IEC62471; EN1320 Weight (kg) 5 7 Standard Deviation Colour Matching SDCM = photobiological Risk Class Warranty 5 years Supply voltage 220 - 240 Operating temperature -30°C + +50 °C Rated frequency (Hz) 50/C Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99.99% pure Control System DM 6 kV / CM 10 k Colour Hexagonal metric screws Stainless steel Tilt Rotation on b	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING F	EATURES -
Application Indoor / Outdoor Lume nutput (lm) 1760 Unique digital code (Datamatrix) Currently not present Efficacy (lm/W) 00 Colour Graphite grey Colour temperature 4000 Type of light source LED Colour temperature 4000 Type of light source L90B10(Tq25°C)=50.000h; L80B10 Photobiological Risk Class CRI>E Weight (kg) 5.7 Standard EN60598-1; EN60598-2-5; EN60598-2-24; IEC 6277 Warranty 5 years ELETRICAL AND LIGHTING FEATURES ELEC 2471; EN1320 Stocking temperature - 30°C + +50 °C Rated frequency (Hz) 50 / 60 Operating temperature - 30°C + +50 °C Rated frequency (Hz) 50 / 60 Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99,99% pure Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour mounting External screw Stainless steel Tilt Rotation on bracket with integrate goniometet Group Colour Polye	Context	Sport, Big Areas	Optic	A3 - Assymetric Narrow
Unique digital code (Datamatrix) Currently not present Efficacy (m/W) 10 Colour Graphite grey Colour Rendering Index CRI>E System power 165 W Standard Deviation Colour Matching SDCM = LED Lifetime L90B10(Tq25°C)=50.000h; L80B10 Photobiological Risk Class Risk Class Weight (kg) 5.7 Standard Deviation Colour Matching SDCM = Warranty 5 years ELETRICAL AND LIGHTING FEATURES IEC6277; EN1320 Varranty 5 years ELETRICAL AND LIGHTING FEATURES 220 - 240 Operating temperature - 30°C ÷ +50°C Rated frequency (Hz) 50 / 6 MATERALS - Driver Include Include Body Die-cast aluminium Driver failure rate F10 = 100.000h Tq25° Shield type Flat tempered glass 4mm Overvoltage protection DM kV / CM 10 kV Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE INSTALLATION AND MAINTENANCE Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour mouting Colour Polyester powder coated Wiring Watertight connect	Luminaire		Unified Glare Rating	G*6 - ULOR = 0
Colour Graphite grey Colour temperature 4000 Type of light source LED Colour Rendering Index CRI>E System power 166 W Standard Deviation Colour Matching SDCM = LED Lifetime L90B10(Tq25°C)=50.000h; L80B10 Photobiological Risk Class Photobiological Risk Class Weight (kg) Colour Rendering Index EN60598-1; EN60598-2-5; EN60598-2-24; IEC 6277; IEC 6277: IEC62471; EN1320 Warranty 5 years ELETRICAL AND LIGHTING FEATURES IEC62471; EN1320 Varranty 5 years ELETRICAL AND LIGHTING FEATURES 220 - 240 Operating temperature -30°C + +50 °C Rated frequency (Hz) 50 / 6 MATERIALS Driver Include Include Optic Polished anodised aluminum reflector with 99.99% pure aluminum Overvoltage protection DM 6 kV / CM 10 k Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE Data installation High-mast lighting - Wall mounting - Grour mouting and installation Colour Polyester powder coated Wiring Watertight connect Stankes steel Tit Rotation on bracket with integrate genometers Colour Polyester powder coat	Application	Indoor / Outdoor	Lumen output (Im)	17600
Type of light source LED Colour Rendering Index CRI>E System power 165 W Standard Deviation Colour Matching SDCM = LED Lifetime L90B10(Tq25°C)=50.000h; L80B10 (Tq25°C)=110.000h Photobiological Risk Class Photobiological Risk Class Weight (kg) 5.7 Standard EN60598-1; EN60598-2-5; EN60598-2-24; IEC 6277; IEC62471; EN1320 Warranty 5 years ELETRICAL AND LIGHTING FEATURES IEC62471; EN1320 Stocking temperature - 30°C ÷ +50 °C Rated frequency (Hz) 50 / 6 MATERIALS - Driver Include Include Optic Polished anodised aluminum reflector with 99.99% pure Gasket Overvoltage protection DM 6 kV / CM 10 k Control System Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour motorin Colour Polyester powder coated Wiring Watertight connect Wiring Watertight connect Wiring Colour Polyester powder coated Wiring Watertight connect Watertight connect Colour Polyester powder coated Wiring Watertight connect Watertight connect Calasification - Light souce replaceability By professio	Unique digital code (Datam	atrix) Currently not present		107
System power 165 W Standard Deviation Colour Matching SDCM = LED Lifetime L90B10(Tq25°C)=50.000h; L80.000h Photobiological Risk Class Photobiological Risk Class Weight (kg) 5.7 Standard EN60598-1; EN60598-2-5; EN60598-2-24; IEC 6277, IEC62471; EN1320 Warranty 5 years ELETRICAL AND LIGHTING FEATURES IEC62471; EN1320 Stocking temperature - 30°C + +50 °C Rated frequency (Hz) 50 / 6 MATERIALS - Driver Include Include Body Die-cast aluminium Driver failure rate F10 = 100.000h Tq25° Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / M10 k Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA 6 kV / M10 k Gasket Anti-agring silicone INSTALLATION AND MAINTENANCE Mounting and installation High-mast lighting - Wall mounting - Grour moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Grour moutin Colour Polyester powder coated Wiring Watertight connect Colour Polyester powder coated Fixing Brack	Colour	Graphite grey	Colour temperature	4000 K
LED Lifetime L90B10(Tq25°C)=50.000h; L80B10 (Tq25°C)=110.000h Photobiological Risk Class Weight (kg) 5.7 Standard EN60598-1; EN60598-2-5; EN60598-2-4; IEC 6277; IEC62471; EN1320 Warranty 5 years ELETRICAL AND LIGHTING FEATURES Stocking temperature - Supply voltage 220 - 240 Operating temperature -30°C + 50 °C Rated frequency (Hz) 6/ 6 MATERIALS - Driver Include Body Die-cast aluminium - Driver failure rate F10 = 100.000h Tq25° Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE Mounting and installation High-mast lighting - Wall mounting - Grour mouting External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connect goniomete Colour Polyester powder coated Fixing Bracket Classification - Light souce replaceability	Type of light source	LED	Colour Rendering Index	CRI>80
Image: Construction of the co	System power	165 W	Standard Deviation Colour Mate	ching SDCM = 3
Warranty 5 years ELETRICAL AND LIGHTING FEATURES Stocking temperature - Supply voltage 220 - 240 Operating temperature -30°C + +50 °C Rated frequency (Hz) 50 / 6 MATERIALS - Driver Include Body Die-cast aluminium Driver failure rate F10 = 100.000h Tq25° Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE Mounting and installation High-mast lighting - Wall mounting - Grour moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connect Brack StanDARDS AND APPROVALS - Fixing Brack Classification - Light souce replaceability By profession	LED Lifetime		Photobiological Risk Class	
Stocking temperature - Supply voltage 220 - 240 Operating temperature -30°C ÷ +50 °C Rated frequency (Hz) 50 / 6 MATERIALS - Driver Include Body Die-cast aluminum Driver failure rate F10 = 100.000h Tq25° Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CMD Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE Mounting and installation High-mast lighting - Wall mounting - Grour moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connect goniomete Stainless steel Fixing Brack Classification - Light souce replaceability By profession	Weight (kg)	5.7	Standard	EN60598-1; EN60598-2-5; EN60598-2-24; IEC 62778; IEC62471; EN13201
Operating temperature -30°C ÷ +50 °C Rated frequency (Hz) 50 / 6 MATERIALS - Driver Include Body Die-cast aluminium - Driver failure rate F10 = 100.000 h 7q5° Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE DA Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grout mounting External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connect Material connect Material for the screws Station in the screw Classification - Fixing Bracket	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	
MATERIALS Driver Include Body Die-cast aluminium - Driver failure rate F10 = 100.000h Tq25° Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99.99% pure aluminum Overvoltage protection DM 6 kV / CM 10 k Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE DA Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connect STANDARDS AND APPROVALS - Fixing Brack Classification - Light souce replaceability By profession	Stocking temperature	-	Supply voltage	220 - 240 V
Body Die-cast aluminium - Driver failure rate F10 = 100.000h Tq25° Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE DA Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connect STANDARDS AND APPROVALS - Fixing Bracket Classification - Light souce replaceability By profession	Operating temperature	-30°C ÷ +50 °C	Rated frequency (Hz)	50 / 60
Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 k Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE DA Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connects STANDARDS AND APPROVALS - Fixing By profession	MATERIALS	-	Driver	Included
Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System DA Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE DA Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connects STANDARDS AND APPROVALS - Fixing Bracket Classification - Light souce replaceability By profession	Body	Die-cast aluminium -	Driver failure rate	F10 = 100.000h Tq25°C
aluminum Gasket Anti-aging silicone Locking Hook Hexagonal metric screws External screw Stainless steel Colour Polyester powder coated STANDARDS AND APPROVALS Viring Classification - Fixing			Overvoltage protection	DM 6 kV / CM 10 kV
Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting - Grour moutin moutin External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Wiring Watertight connects STANDARDS AND APPROVALS - Fixing Bracks Classification - Light souce replaceability By profession	Optic P		Control System	DALI
External screw Stainless steel Tilt Rotation on bracket with integrate goniomete Colour Polyester powder coated Wiring Watertight connects STANDARDS AND APPROVALS - Fixing Bracks Classification - Light souce replaceability By profession	Gasket	Anti-aging silicone	INSTALLATION AND MAINTE	NANCE -
Colour Polyester powder coated Wiring Watertight connect STANDARDS AND APPROVALS - Fixing Brack Classification - Light souce replaceability By profession	Locking Hook	Hexagonal metric screws	Mounting and installation	High-mast lighting - Wall mounting - Ground mouting
STANDARDS AND APPROVALS - Fixing Brack Classification - Light souce replaceability By profession	External screw	Stainless steel	Tilt	Rotation on bracket with integrated goniometer
Classification - Light souce replaceability By profession	Colour	Polyester powder coated	Wiring	Watertight connector
	STANDARDS AND APPRO	OVALS -	Fixing	Bracket
	Classification	-	Light souce replaceability	By professional
Device with reduced surface temperature res Controlgear replaceability By profession	Device with reduced surface	e temperature Yes	Controlgear replaceability	By professional
DIN 18032-3 certification Available Driver Box Built-	DIN 18032-3 certification	Available	Driver Box	Built-in
	IPEA	-	Maximum surface exposed to th	ne wind 0,085 m2
Insulation class	Insulation class			-
IP degree IP66	IP degree	IP66		-
Mechanical resistance IK08	Mechanical resistance	IK08		-
Glow Wire Test -	Glow Wire Test	-		-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



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Product Data Sheet GWP2184NB

SMART [PRO] 2.0

TECHNICAL SYMBOLOGY



m2

IP IP66 IK

IK08

GWT

STANDARDS/APPROVALS



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