# Product Data Sheet GWP2183HB

SMART [PRO] 2.0



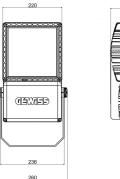
SMART [PRO] 2.0 is a medium power outdoor and indoor LED projector, suitable for lighting sports areas and facilities. It can be installed on the wall, ceiling or ground thanks to the polyester powder coated galvanised steel bracket, with trivalent passivation, equipped with adjustable goniometric scale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

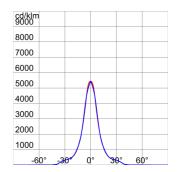
Luminaire   LED luminaire with small,mid and high lumen power   Unified Glare Rating   G*6 - ULOR = 0     Application   Indoor / Outdoor   Lumen output (Im)   17800     Unique digital code (Datamatrix)   Currently not present   Efficacy   108     Colour   Graphite grey   Colour Rendering Index   CRI>80     System power   165 W   Standard Deviation Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25*C)=50.000h; L80B10 (Tq25*C)=50.000h; L80B10 (Tq25*C)=510.000h   Photobiological Risk Class   -     Warranty   5 years   Standard Deviation Colour Matching   SDCM = 3     Warranty   5 years   Standard Enko598-1; EN60598-2-5; EN60598-2-24; IEC 62778; IEC62471; EN13201     Warranty   5 years   Standard Enko598-1; EN60598-2-5; EN60598-2-24; IEC 62778; IEC62471; EN13201     Warranty   5 years   Standard Enko598-1; EN60598-2-2; EN60598-2-24; IEC 62778; IEC62471; EN13201     Stocking temperature   -3   Supply voltage   220 - 240 V     Operating temperature   -30 + 50 °C   Rate frequency (Hz)   50 / 60     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished quartz and metali	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEAT	URES -
powerpowerpowerApplicationIndoor / OutdoorLumen output (lm)17800Unique digital code (Datamatrix)Currently not presentEfficacy108ColourGraphite greyColour temperature3000 KSystem power165 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25*C)=50.000h; L80B10 (Tq25*C)=10.000hPhotobiological Risk Class-Weight (kg)5.7Standard Deviation Colour MatchingSDCM = 3Stocking temperature-30 + 50 °CRated frequency (Hz)50 / 60Operating temperature-30 + 50 °CRated frequency (Hz)50 / 60BodyDie-acst aluminiumDriver failure rateF10 = 100.000 n 128°C-OpicPolished quartz and metallized PC HTItRotation on bracket with integrated-ColourPolyester power coatedWiringWaterlight connectorMounting and installationHigh-mast lighting - Wall mounting - Ground mountingStandarD SAND APPROVALS-FixingClourPolyester power coatedWiringWaterlight connector-ClourPolyester power coatedWiringWaterlight connector-Stanlactication-Light sourceGasketAnti-aging siliconColourPolyester power coatedWiringWaterlight connector-Stanlactar StrantardsDivier Box	Context	Sport, Big Areas	Optic	C3 - Circular 20°
Application   Indoor / Outdoor   Lumen output (Im)   17800     Unique digital code (Datamatrix)   Currently not present   Efficacy   108     Colour   Graphite grey   Colour Rendering Index   CRI>80     Ype of light source   LED   Colour Rendering Index   CRI>80     System power   165 W   Standard Deviation Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25*C)=50.000, KI.B0B10   Photobiological Risk Class   -     Warantly   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -   Supply voltage   220 - 240 V     Operating temperature   -30 + 50 °C   Rated frequency (Hz)   50 / 60     MATERNALS   -   Driver failure rate   F10 = 100.000 h Tq25*C     Stocking temperature   -30 + 50 °C   Rated frequency (Hz)   50 / 60     MATERNALS   -   Driver failure rate   F10 = 100.000 h Tq25*C     Stocking temperature   -0   Driver failure rate   F10 = 100.000 h Tq25*C     Gasket   Anti-aging silicon   -   Included     Gody   Deised quartz and metalized PC HT   Mounting and installation	Luminaire L	ED luminaire with small, mid and high lumen	Unified Glare Rating	G*6 - ULOR = 0
Unique digital code (Datamatrix)Currently not present (Imax)Efficacy (Imax)108ColourGraphitle greyColour Rendering IndexCRI>60Type of light sourceLEDColour Rendering IndexCRI>60System power165 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10 (Tq25°C)=101.000hPhotobiological Risk Class-Weight (kg)5.7Standard Deviation Colour MatchingSDCM = 3Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Varranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-30 + 50 °CStandard Deviation colour System-Operating temperature-30 + 50 °CRated frequency (Hz)50 / 60MATERIALSDriver failure rateF10 = 100.000h Tq25°C-Shield typeFlat tempered glass 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpicPolished quartz and metalized PC HT reflectorMounting and installationHigh-mast lighting - Wall mounting - Ground moutingGasketAnti-aging siliconeHits source replaceabilityBy professional BracketColourPolyester powder coatedWiringWatertight connectorStanDARDS AND APPROVALS-FixingBracketClassificationYersControlgear replaceabilityBy professional Diver BoxDivi RegueIfe6IPegreeIP66IPagreeIP66- <td< td=""><td></td><td>power</td><td></td><td></td></td<>		power		
Colour   Graphite grey   Colour temperature   3000 K     Type of light source   LED   Colour temperature   3000 K     System power   165 W   Standard Deviation Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25°C)=50.000h, L80B10   Photobiological Risk Class   -     Weight (kg)   5.7   Standard Deviation Colour Matching   SDCM = 3     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MatTeriALS   Driver   Included   Driver   Included     Body   Die-cast aluminium   Driver failure rate   F10 = 100.000h Tq25°C   Stol KV 10 kV     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM kV / 10 kV   DALI     Optic   Polished quatz and metalized PC HT   F10 = 100.000h Tq25°C   Mounting and installation   Mounting - Ground     Colour   Polyseter powder coated   Wring   Watteridu connector   Mounting and installation   Mounting and installation   Backet     Colour   Polyseter powder coated   Wring   Watterutoucd surface temperature   Ye				
Type of light sourceLEDColour Rendering IndexCRI>80System power165 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10Photobiological Risk Class-Wright (kg)5.7Standard Deviation Colour MatchingSDCM = 3Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-30 +50 °CRated frequency (Hz)50 / 60MATERIALSDriverIncluded50 / 60BodyDie-cast aluminiumDriver failure rateF10 = 100.000 h q25°CGasketAnti-aging siliconeCortrol SystemDAILocking HookHexagonal metric screwsMouting and installationHigh-mast lighting - Wall mouting - Ground moutingColourPolyester powder coatedWiringWiringWatertight connector grofescionalStoladis out wiringStainless steelTiltStainless steelColourPolyester powder coatedWiringWatertight connector gonometerStainlessIlight souce replaceabilityBy professional Diver BoxDiver Gassification-Light souce replaceabilityBy professional Diver BoxDiver BoxIlight souce replaceabilityBy professional Diver BoxBy professional Diver BoxDiver BoxIlight souce replaceabilityBy professional Diver Box-ColourPolyester powder coatedWiringWatertight connector Stainless steelColourPolyester powder coatedWiring<	Unique digital code (Datamatrix)	Currently not present		108
System power 165 W Standard Deviation Colour Matching SDCM = 3   LED Lifetime L90B10(Tq25°C)=50.000h; L80B10 (Tq25°C)=10.00h Photobiological Risk Class -   Warranty 5.7 Standard Deviation Colour Matching SDCM = 3   Warranty 5 years ELETRICAL AND LIGHTING FEATURES -   Operating temperature -0 Standard ELETRICAL AND LIGHTING FEATURES -   Operating temperature -30 +50° C Rated frequency (Hz) 50 / 60 -   Body Die-cast aluminum Diver falture rate F10 = 100.000h Tq25° C -   Shield type Polished quartz and metallized PC HT Control System DALI -   Gasket Anti-aging silicone Control System DALI -   Colour Polyester powder coated Mounting and installation High-mast lighting - Wall mounting - Ground mouting -   Colour Polyester powder coated Wiring Wiring By professional   Diver solute could surface temperature Yes Control System By professional   Diver soluta could surface temperature Yes Control System By professional   Diver soluta could surface temperature Yes Controlgear replaceability By professional   Diver soluta co	Colour	Graphite grey	Colour temperature	3000 K
LÉD Lifetime   L90B10(Tq25°C)=50.000h; L80B10 (Tq25°C)=110.000h   Photobiological Risk Class   -     Weight (kg)   5.7   Standard   EN60598-2; EN60598-2; St. EN60598-2	Type of light source	LED	Colour Rendering Index	CRI>80
Weight (kg)   5.7.   Standard   EN60598-1; EN60598-2-5; EN60598-2-24; IEC 62778; IEC62471; EN13201     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -   Supply voltage   220 - 240 V     Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   Diver failure rate   F10 = 100.000h Tq25°C   50 / 60     Body   Die-cast aluminium   Driver failure rate   F10 = 100.000h Tq25°C     Shield type   Flat tempered glass drm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished quartz and metallized PC HT reflector   Control System   DALI     Clocking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground motic screws     Stainless steel   Colour   Polyester powder coated   Wiring   Watertight connector mounting - Ground motic screws     Stainless steel   Light souce replaceability   By professional   Bracket     Classification   -   King   Bracket     DiN 18032-3 certification   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the	System power	165 W	Standard Deviation Colour Matching	SDCM = 3
Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver   Included     Body   Die-cast aluminum   Driver attempered glass 4mm   Overvoltage protection   DM & KV / CM 10 kV     Optic   Polished quartz and metallized PC HT reflector   Control System   DAL   -     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -   -     Locking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground mounting   -     StankDRS AND APPROVALS   -   Fixing   Barcket   -     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Driver Box   Bilti to the wind   Box     INS32-3 certification   Yes   Driver Box   Bilti to the wind   0,085 m2     Insulation class   II   Priver Box   Bilti to the wind   0,085 m2     Insulation class <t< td=""><td>LED Lifetime</td><td></td><td>Photobiological Risk Class</td><td>-</td></t<>	LED Lifetime		Photobiological Risk Class	-
Stocking temperature   -   Supply voltage   220 - 240 V     Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   Driver   Included     Body   Die-cast aluminium -   Driver failure rate   F10 = 100.000 h rq25°C     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished quartz and metallized PC HT   Control System   DALI     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground mounting m	Weight (kg)	5.7	Standard EN6	
Operating temperature-30 +50 °CRated frequency (Hz)50 / 60MATERIALS-DriverIncludedBodyDie-cast aluminium -Driver failure rateF10 = 100.000 h Tq15 °CShield typeFlat tempered glass 4mmOvervoltage protectionDM 6 kV / CM 10 6 kV / CM	Warranty	5 years	ELETRICAL AND LIGHTING FEAT	URES -
MATERIALS   Driver   Included     Body   Die-cast aluminium -   Driver failure rate   F10 = 100.000h Tq25°C     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished quartz and metallized PC HT   Control System   DALI     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Hexagonal metric screws   Mounting 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   -   Fixing   Bracket     Device with reduced surface temperature   Yes   Driver Box   By professional     Device with reduced surface temperature   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     IP degree   IP66   -   -   Maximum surface exposed to the wind   0,085 m2     IP degree   IP66   -   -   -   -   -	Stocking temperature		Supply voltage	220 - 240 V
Body   Die-cast aluminium -   Driver failure rate   F10 = 100.000h Tq25°C     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished quartz and metallized PC HT   Control System   DALI     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Hexagonal metric screws   Mounting 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     Stainless teel   Fixing   By professional     Device with reduced surface temperature   Yes   Control gear replaceability   By professional     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   -   -     IP degree   IP66   -   -     Mechanical resistance   IK08   -   -	Operating temperature	-30 +50 °C	Rated frequency (Hz)	50 / 60
Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished quartz and metallized PC HT reflector   Control System   DALI     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Hexagonal metric screws   Mounting 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   Wiring   By professional     Device with reduced surface temperature   Yes   Control Sear exposed to the wind   0,085 m2     IP EA   -   Maximum surface exposed to the wind   0,085 m2     IP degree   IP66   -   -     Mechanical resistance   IK08   -   -	MATERIALS	-	Driver	Included
Optic Polished quartz and metallized PC HT reflector Control System DALI   Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE -   Locking Hook Hexagonal metric screws Mounting 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 - Light souce replaceability By professional   Device with reduced surface temperature Yes Control gear replaceability By professional   IPEA - Maximum surface exposed to the wind 0,085 m2   Insulation class II - -   IP degree IP66 -   Mechanical resistance IK08 -	Body	Die-cast aluminium -	Driver failure rate	F10 = 100.000h Tq25°C
reflector     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Hexagonal metric screws   Mounting 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   Watertlight connector     STANDARDS AND APPROVALS   Fixing   Bracket     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Controlgear replaceability   By professional     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   -   -     Mechanical resistance   IK08   -   -	Shield type		Overvoltage protection	DM 6 kV / CM 10 kV
Locking Hook   Hexagonal metric screws   Mounting 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   Watertlight connector     STANDARDS AND APPROVALS   -   Fixing   Bracket     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Controlgear replaceability   By professional     IN 18032-3 certification   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   -   -     IP degree   IP66   -   -     Mechanical resistance   IK08   -   -	Optic		Control System	DALI
External screw   Stainless steel   Tilt   Rotation on bracket with integrated goniometer goniometer     Colour   Polyester powder coated   Wiring   Watertight connector     STANDARDS AND APPROVALS   -   Fixing   Bracket     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Controlgear replaceability   By professional     DIN 18032-3 certification   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   -   -     IP degree   IP66   -   -     Mechanical resistance   IK08   -   -	Gasket	Anti-aging silicone	INSTALLATION AND MAINTENAN	CE -
goniometer     Colour   Polyester powder coated   Wiring   Watertight connector     STANDARDS AND APPROVALS   -   Fixing   Bracket     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Controlgear replaceability   By professional     DIN 18032-3 certification   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   -   -     Mechanical resistance   IK08   -   -	Locking Hook	Hexagonal metric screws	Mounting and installation	
STANDARDS AND APPROVALS   -   Fixing   Bracket     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Controlgear replaceability   By professional     DIN 18032-3 certification   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   -   -     IP degree   IP66   -   -     Mechanical resistance   IK08   -   -	External screw	Stainless steel	Tilt	
Classification - Light souce replaceability By professional   Device with reduced surface temperature Yes Controlgear replaceability By professional   DIN 18032-3 certification Yes Driver Box Built-in   IPEA - Maximum surface exposed to the wind 0,085 m2   Insulation class II - -   IP degree IP66 -   Mechanical resistance IK08 -	Colour	Polyester powder coated	Wiring	Watertight connector
Device with reduced surface temperature Yes Controlgear replaceability By professional   DIN 18032-3 certification Yes Driver Box Built-in   IPEA - Maximum surface exposed to the wind 0,085 m2   Insulation class II - -   IP degree IP66 -   Mechanical resistance IK08 -	STANDARDS AND APPROVALS	- · · · · · -	Fixing	Bracket
DIN 18032-3 certification Yes Driver Box Built-in   IPEA - Maximum surface exposed to the wind 0,085 m2   Insulation class II -   IP degree IP66 -   Mechanical resistance IK08 -	Classification	-	Light souce replaceability	By professional
IPEA - Maximum surface exposed to the wind 0,085 m2   Insulation class II -   IP degree IP66 -   Mechanical resistance IK08 -	Device with reduced surface temperation	ture Yes	Controlgear replaceability	By professional
Insulation class II -   IP degree IP66 -   Mechanical resistance IK08 -	DIN 18032-3 certification	Yes	Driver Box	Built-in
IP degree IP66 -   Mechanical resistance IK08 -	IPEA		Maximum surface exposed to the wi	nd 0,085 m2
Mechanical resistance IK08 -	Insulation class			-
	IP degree	IP66		-
Glow Wire Test	Mechanical resistance	IK08		
	Glow Wire Test	-		-

#### DIMENSIONAL





#### PHOTOMETRIC DISTRIBUTION



Data, measures, designs and pictures are for information purpose only, last update 20/04/2023. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C. Terms of warranty at https://www.gewiss.com/it/en/company/landingpage/led-warranty. - 1 of 2

## **Product Data Sheet** GWP2183HB

SMART [PRO] 2.0









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### STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 20/04/2023. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C. Terms of warranty at https://www.gewiss.com/it/en/company/landingpage/led-warranty. - 2 of 2