# Product Data Sheet GWP2184BB

SMART [PRO] 2.0



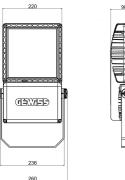
SMART [PRO] 2.0 is a medium power outdoor and indoor LED projector, suitable for lighting sports areas and facilities. It can be installed on the wall, ceiling or ground thanks to the polyester powder coated galvanised steel bracket, with trivalent passivation, equipped with adjustable goniometric scale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

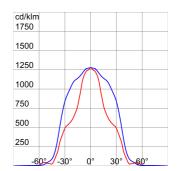
Context   Sport, Big Areas   Optic   S2 - Symmetric Medium     Luminaire   LED luminaire with small,mid and high lume power   Unifed Glare Rating   G*6 - ULOR = 0     Application   Indoor / Outdoor   Lume output (Im)   19000     Unique digital code (Datamatrix)   Currently not present   Efficacy   115     Colour   Graphite grey   Colour temperature   4000 K     System power   165 W   Standard Deviation Colour Matching   SDCH = 3     LED Lifetime   L90810(Tq25*C)=50.000h; L80810   Photobiological Risk Class   -     Weight (kg)   5.7   Standard Deviation Colour Matching   SDCH = 3     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -30 - 50 °C   Rated frequency (Hz)   60 / 60     Optic   Polished anodised aluminum   Driver failure rate   F10 = 00.000h Tq25*C   -     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV   Optic     Optic   Polished anodised aluminum reflector with 99.99 wpre   Control System   Outrol System   -     Colour   Polyester powder coated   Wiring <th colspan="2">GENERAL INFORMATION -</th> <th colspan="2">OPTIC AND ILLUMINATING FEATURES -</th>	GENERAL INFORMATION -		OPTIC AND ILLUMINATING FEATURES -	
power     Indoor / Outdoor     Lumen output (Im)     19000       Unique digital code (Datamatrix)     Currently not present     Efficacy     115       Colour     Graphite grey     Colour temperature     4000 K       System power     165 W     Standard Deviation Colour Matching     SDDM = 3       LED Lifetime     L90B10(Tq25*C)=50.000h: L80B10     Photobiological Risk Class     -       Warranty     5.7     Standard Deviation Colour Matching     SDDM = 3       Warranty     5 years     ELETRICAL AND LIGHTING FEATURES     -       Operating temperature     -30 + 50 °C     Rated frequency (Hz)     50 / 60       Operating temperature     -30 + 50 °C     Rated frequency (Hz)     50 / 60       Marranty     Di-ecast aluminum     Driver failure rate     F10 = 100.0000 rt Q25 °C       Sheld type     F1at tempered glass 4mm     Overvoltage protection     DM 6 kV / CM 10 kV       Optic     Polished anodised aluminum reflector with 99.98% pure aluminum     Ital.LITION AND MAINTENANCE     -       Colour     Polyester powder coated     Wuring     Waterught connector     Mounting and installation     High-mast lighting - Wall moun	Context	Sport, Big Areas	Optic	S2 - Symmetric Medium
Application   Indoor / Outdoor   Lumen output (Im)   19000     Unique digital code (Datamatrix)   Currently not present   Efficacy   15     Octour   Graphite grey   Colour Rendering Index   CRI>80     System power   165 W   Standard Deviation Colour Matching   SDCM = 3     LED   LED   Colour Rendering Index   CRI>80     Verifiet (kg)   5.7   Standard Deviation Colour Matching   SDCM = 3     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Verifiet interperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C     Stocking temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C     Stocking temperature   -   Overvoltage protection   DM & kV / CM 10 kV     Optic   Polished anodised aluminum reflector with 99 % pure   Included   Mounting and Installation   High-mast lighting - Wall mounting - Ground     Colour	Luminaire	LED luminaire with small, mid and high lumen	Unified Glare Rating	G*6 - ULOR = 0
Unique digital code (Datamatrix)   Currently not present   Effective function   115     Colour   Graphite grey   Colour Rendering index   CRI>60     System power   165   Standard Devisition Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25*C)=50.000h; L80B10   Photobiological Risk Class   -     Weight (kg)   5.7   Standard Devisition Colour Matching   SDCM = 3     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Operating temperature   -30 + 50 °C   Standard Devisition Colour Matching   220 - 240 V     Operating temperature   -30 + 50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   Driver failure rate   F10 = 100.000h Tq25*C   50 / 60     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM & kV / CM 10 kV   Colour System   DALI     Gasket   Anti-aging silicone   Mounting and installation   High-mast lighting - Wall mounting - Ground mouting   -     Colour   Polyseter power coated   Wiring   Watertight connector   Standard Evelocability   Baroktic duminum   Baroktic duminum   -     Locking Hook   Hexagonal metric screws		power		
Colour   Graphite grey   Colour temperature   4000 K     Type of light source   LED   Colour Rendering Index   CRI>60     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 Eviation Colour Matching   SDCM = 3     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Warranty   5 years   Standard Reviework (Hz)   50 / 60     MATERIALS   Driver   Supply voltage   220 - 240 V     Operating temperature   -30 + 50 °C   Rated frequency (Hz)   50 / 60     Body   Die-cast aluminium   Driver   Included   Molton Dra25*C     Sheid type   Flat tempered glass 4mm   Overotilage protection   DM k kV / CM 10 kV   DALI     Gasket   Anti-aging silicone   Mounting and installation   High-mast lighting - Wall mounting - Ground   mounting     Colour   Polyester powder coated   Wiring   Wateriand   Bracket   Itilt     Colour   Polyester powder coated   Wiring   Bracket <t< td=""><td>Application</td><td>Indoor / Outdoor</td><td>Lumen output (Im)</td><td>19000</td></t<>	Application	Indoor / Outdoor	Lumen output (Im)	19000
Type of light source LED Colour Rendering Index CRI>80   System power 165 W Standard Deviation Colour Matching SDCM = 3   LED Lifetime L90B10(Tq25°C)=50.000h; L80B10 Photobiological Risk Class -   Waranty 5.7 Standard Deviation Colour Matching SDCM = 3   Waranty 5 years Standard Deviation Colour Matching C20240 V   Operating temperature -30 +50 °C Rated frequency (Hz) 50 / 60   MATERIALS - Driver failure rate F10 = 100.000h rQ25°C   Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV / CM 10 kV   Optic Polished anodised aluminum reflector with 99.99% pure aluminum Overvoltage protection DM 6 kV / CM 10 kV   Colour Polyester powder coated Tit Rotation on bracket with integrated goinometer -   Colour Polyester powder coated Wiring Tit Bratextet with integrated goinometer   Colour Polyester powder coated Wiring Bratextet with integrated goinometer -   Colour Polyester powder coated Wiring Bratextet with integrated goinometer -   Colour Polyester powder coated Wiring Bratextet with integrated goinometer -   Colour	Unique digital code (Datamat	rix) Currently not present		115
System power 165 W Standard Deviation Colour Matching SDCM = 3   LED Lifetime L90B10(Tq25°C)=50.00h; L80B10 (Tq25°C)=10.00h Photobiological Risk Class -   Warranty 5.7 Standard Deviation Colour Matching SDCM = 3   Warranty 5.7 Standard Deviation Colour Matching SDCM = 3   Warranty 5 years Standard EN60598-1; EN60598-2-5; EN60598-2-4; IEC 62778; IEC 6277	Colour	Graphite grey	Colour temperature	4000 K
LÉD Lifetime   L90B10(Tq25°C)=50.000h; L80B10 (Tq25°C)=110.000h   Photobiological Risk Class   -     Weight (kg)   5.7   Standard   EN60598-2-5; EN60598-2-24; IEC 62778; IEC 62471; EN13201     Stocking temperature   5.7   Standard   EN60598-1; EN60598-2-5; EN60598-2-24; IEC 62778; IEC 62471; EN13201     Stocking temperature   -   Supply voltage   220 - 240 V     Operating temperature   -   Supply voltage   220 - 240 V     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 anodised aluminum reflector with 99.99% pure aluminum   Control System   DALI     Gasket   Anti-aging silicone Locking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground mouting     Colour   Polyester powder coated   Viring   Watertlight connector     Stanlbas steel   Fixing   Bracket   Stanless steel     Colour   Polyester powder coated   Viring   Watertlight connector     Stanlbas Stote IIPEA	Type of light source	LED	Colour Rendering Index	CRI>80
Image: Non-Strep in the second sec	System power	165 W	Standard Deviation Colour Matching	SDCM = 3
Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   IEC62471; EN13201     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 failure rate   F10 = 100.000 h kV / CM 10 kV     Optic   Polished anodised aluminum reflector with 99.99% pure aluminum   Overvoltage protection   DM 6 kV / CM 10 kV     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground mounting - Ground mounting - Ground mounting - Ground mounting and installation   Figh-mast lighting - Wall mounting - Ground mounting - Ground mounting and installation     External screw   Stainless steel   Tilt   Rotation on bracket with integrated gonionneter     Colour   Polyester powder coated   Wiring   Watertight concector   By professional     Device with reduced surface temperature   Yes   Driver Box   Bilitation   By professional     Device with reduced surface temperature   Yes   Driver Box   Bilitation   Bilitatio	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 = 100.000h Tq25°C     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished anodised aluminum reflector with 99.99% pure aluminum   Control System   DALI     Gasket   Anti-aging silicone Locking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground mounting     External screw   Stainless steel   Tilt   Rotation on bracket with integrated gonometer     Colour   Polyester powder coated   Wiring   Wiring   Watertight connector     Stainless fication   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Driver Box   Bit integrated     Instaltion class   II   Polyester poxed   Bit integrated     IP degree   IP66   -   Polyester	Weight (kg)	5.7	Standard EN6	
Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver   Included     Body   Die-cast aluminium -   Driver failure rate   F10 = 100.000 h Tq 15 °C     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 °C     Optic   Polished anodised aluminum reflector with 99.99% pure aluminum   Control System   DALI     Gasket   Anti-aging silicone   Mounting and installation   High-mast lighting - Wall mounting - Ground mouting     Colour   Polyester powder coated   Wiring   Rotation on bracket with integrated gonometer     Colour   Polyester powder coated   Fixing   Bracket     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   Maximum surface exposed to the wind   0,085 m2     Mechanical resistance   IK08   -   -	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 anodised aluminum reflector with 99.99% pure aluminum   Overvoltage protection   DM 6 kV / CM 10 kV     Gasket   Anti-aging silicone Locking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground mouting mout	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 anodised aluminum reflector with 99.9% pure aluminum   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   Wring   Watertight connector     STANDARDS AND APPROVALS   -   Fixing   Barcket     Device with reduced surface temperature   Yes   Control gear replaceability   By professional     DIN 18032-3 certification   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     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 anodised aluminum reflector with 99.99% pure aluminum   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   Water plate and is sufficient on the screws   Water plate and is sufficient on the screw     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     Insulation class   II   IP   -   -     IPegree   IP66   -   -     Mechanical resistance   IK08   -   -	MATERIALS	-	Driver	Included
Optic   Polished anodised aluminum reflector with 99.99% pure aluminum   Control System   DALI     Gasket   Anti-aging silicone aluminum   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   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,085 m2     IP degree   IP66   -   -     Mechanical resistance   IK08   -   -	Body	Die-cast aluminium -	Driver failure rate	F10 = 100.000h Tq25°C
aluminum     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     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   -   -     IPegee   IP66   -   -     Mechanical resistance   IK08   -   -	Shield type	Flat tempered glass 4mm	Overvoltage protection	DM 6 kV / CM 10 kV
Locking HookHexagonal metric screwsMounting and installationHigh-mast lighting - Wall mounting - Ground moutingExternal screwStainless steelTiltRotation on bracket with integrated goniometerColourPolyester powder coatedWiringWatertight connectorSTANDARDS AND APPROVALS-FixingBracketClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControlgear replaceabilityBy professionalIN 18032-3 certificationYesDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,085 m2IIIIIP degreeIP66-Mechanical resistanceIK08-	Optic Pol		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   -   -     IPegree   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
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 -	Device with reduced surface temperature Yes			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 wir	nd 0,085 m2
Mechanical resistance IK08 -	Insulation class	I		-
	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 GWP2184BB**

SMART [PRO] 2.0







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# STANDARDS/APPROVALS

