# Product Data Sheet GWP2174HB

SMART [PRO] 2.0



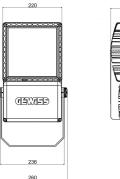
SMART [PRO] 2.0 is a medium power outdoor and indoor LED projector, suitable for lighting sports areas and facilities. It can be installed on the wall, ceiling or ground thanks to the polyester powder coated galvanised steel bracket, with trivalent passivation, equipped with adjustable goniometric scale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

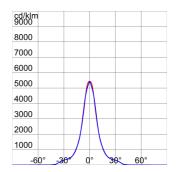
Context   Sport, Big Areas   Optic   C3 - Circular 20°     Luminaire   LED luminaire with small, mid and high lumo power   Unifed Glare Rating   G°6 - ULOR = 0     Application   Indoor / Outdoor   Lume output (Im)   20500     Unique digital code (Datamatrix)   Currently not present   Efficacy   124     Colour   Graphite grey   Colour temperature   4000 K     System power   LED   Colour temperature   4000 K     System power   1690 Standard Deviation Colour Matching   SDCH = 5     LED Lifetime   L90810(Tq25°C)=50.000h; L80810   Photobiological Risk Class   -     Weight (kg)   5.7   Standard Deviation Colour Matching   SDCH = 5     Veright (kg)   5.7   Standard Extension   -     Veright (kg)   5.7   Standard Extension   -     Veright (kg)   5.9   ELETRICAL AND LIGHTING FEATURES   -     Supply voltage   220 - 240 V   SU   -     Stocking temperature   -30 - 50° C   Rated frequency (Hz)   50 / 60     Martenalu   Priver failure rate   F10 = 100.000h Tq25° C   Supply voltage   -	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEA	ATURES -
powerpowerpowerApplicationIndoor / OutdoorLumen output (Im)20500Unique digital code (Datamatrix)Currently not presentEfficacy124ColourGraphite greyColour temperature4000 KSystem power165 WStandard Deviation Colour MatchingSDCM = 5LED LifetimeL90B10(Tq25*C)=50.000h: L80B10Photobiological Risk Class-Weight (kg)5.7Standard Deviation Colour MatchingSDCM = 5Varranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-30 + 50 *CRated frequency (Hz)50 / 60Operating temperature-30 + 50 *CRated frequency (Hz)50 / 60Shield typeFlat tempered glass 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticPolished quartz and metallized PC HTCortol SystemDALLColourPolyeage stanless steelTitRated installationHigh-mast lighting - Wall mounting - Ground mounting - Ground mound mounting - Ground mound moun	Context	Sport, Big Areas	Optic	C3 - Circular 20°
Application   Indoor / Outdoor   Lumen output (Im)   20500     Unique digital code (Datamatrix)   Currently not present   Efficacy   124     Colour   Graphite grey   Colour Rendering Index   CRI>70     Ype of light source   LED   Colour Rendering Index   CRI>70     System power   165 W   Standard Deviation Colour Matching   SDCM = 5     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10   Photobiological Risk Class   -     Warantly   5 years   ELETRICAL AND LIGHTING FEATURES   -     Vorantly   5 years   Supply voltage   224 oV   -     Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60   -     MarterNALS   -   Driver failure rate   F10 = 100.000h Tq25°C   -     Stocking temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60   -     MarterNALS   -   Driver failure rate   F10 = 100.000h Tq25°C   -     Stocking temperature   -   Control System   Dul edata tam mediatized PC HT   Control System   -     Gody   Die-cast aluminum-   Driver failure rate   F10 = 100.000	Luminaire L		Unified Glare Rating	G*6 - ULOR = 0
Unique digital code (Datamatrix)   Currently not present   Efficiency   124     Colour   Graphite grey   Colour Rendering index   CRI>70     System power   LED   Colour Rendering index   CRI>70     LED Lifetime   L90B10(Tq25*C)=50.000h; L80B10   Protobiological Risk Class   -     Weight (kg)   5.7   Standard Devisition Colour Matching   SDCM= 52.     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   Die-cast aluminium   Driver failure rate   F10 = 100.000h Tq25*C   -     Supply outage   Overvoltage protection   DM 6 kV / CM 10 kV   Colour System   DAL     Optic   Polished quartz and metalized PC HT   reflector   Mounting and installation   High-mast lighting - Wall mounting - Ground mouting     Colour   Polyseter power coated   Stainless steel   Tit   Rotation on bracket with integrated goinometer     Gasket   Anti-aging silicone   High-mast lighting - Wall mounting - Ground mouting - Ground mouting - Ground Mounting and installati				
Colour     Graphite grey     Colour temperature     4000 K       Type of light source     LED     Colour Rendering Index     CRI>70       System power     165 W     Stadard Deviation Colour Matching     SDCM = 5       LED Lifetime     L90B10(Tq25*C)=50.000h; L80B10     Photobiological Risk Class     -       Weight (kg)     5.7     Standard Deviation Colour Matching     SDCM = 5       Warranty     5 years     Standard Reviation Colour Matching     220 - 240 V       Operating temperature     -30 + 50 °C     Rated frequency (Hz)     50 / 60       Body     Die-cast aluminium -     Driver     Included     Driver failure rate     F10 = 100.000h Tq25*C       Shield type     Flat tempered glass 4mm     Overvoltage protection     DM k kV / CM 10 kV     DALI       Gasket     Anti-aging silicone     Mounting and installation     High-mast lighting - Wall mounting - Ground go installation     Mounting and installation     Brattent on bracket with integrated go installation       Colour     Polyester powder coated     Wring     Wattent on bracket with integrated go installation     Brattent on bracket with integrated go installation       Colour     Polyester powder c				
Type of light source   LED   Colour Rendering Index   CRI>70     System power   165 W   Standard Deviation Colour Matching   SDCM = 5     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10   Photobiological Risk Class   -     Waranty   5.7   Standard Deviation Colour Matching   SDCM = 5     Waranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 60     MATERIALS   -   Driver failure rate   F10 = 100.000h Tq25°C     Solekit type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Polished quartz and metallized PC HT   reflector   -     Colour   Polyester powder coated   INSTALLATION AND MAINTENANCE   -     Colour   Polyester powder coated   Wiring   Watertight connector     Colour   Polyester powder coated   Wiring   Bratchesition   -     Colour   Polyester powder coated   Wiring   Watertight connector   -     Stanless steel   -   Control System   Baracket   -     Colour   Polyester powder	Unique digital code (Datamatrix)	Currently not present		124
System power   165 W   Standard Deviation Colour Matching   SDCM = 5     LED Lifetime   L90B10(Tq25°C)=50.00h), L80B10 (Tq25°C)=10.00h   Fotobiological Risk Class   -     Weight (kg)   5.7   Standard Deviation Colour Matching   SDCM = 5     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Varranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Operating temperature   -30 +50 °C   Rated frequency (Hz)   50 / 00.00h   -     Body   Die-cast aluminium-   Driver   Included   -	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; EN60598-2; St. EN60598-2	Type of light source	LED	Colour Rendering Index	CRI>70
Weight (kg)   5.7   Standard   EN60598-1; EN60598-2-2; 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   -   Driver   Included     Body   Die-cast aluminum   Driver failure rate   F10 = 100.000h Tq25°C     Optic   Polished quartz and metallized PC HT reflector   Control System   DALI     Casket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Hexagonal metric screws   Mounting and installation   High-mast lighting - Wall mounting - Ground mouting   -     Colour   Polyester powder coated   Wiring   Watertight connector   -     Standards   -   Eight souce replaceability   By professional     Device with reduced surface temperature   Yes   Control gear replaceability   By professional     Classification   -   Light souce replaceability   By professional   Built-in     Device with reduced surface temperature   Yes	System power	165 W	Standard Deviation Colour Matchi	ing SDCM = 5
Weight (kg) 5.7 Standard EN60598-1; EN60598-2-3; EN10528-100001   Stocking temperature -30 +50 °C Refereuency (Hz) S0 / 60   MATERIALS Dirver aluminum Driver Driver S0 / 60   MATERIALS Dirver aluminum Driver alure rate F10 = 100.000 h Tq25°C S0 / 60   Sheld type Flat tempered glass 4mm Overvoltage protection DM 6 k/ / CM 10 kV   Optic Polished quart and metallized PC HT Cortol System Outrol System DALI   Gasket Anti-aging silicom INSTALLATION AND MAINTENANCE - -   External screw Stainless steel Tit Rotation on bracket with integrated gorine dominated gorine dominated moutring - Ground gorine det goring - External s	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     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 goniometer     Colour   Polyester powder coated   Wiring   Watertight connector     Stainless steel   Fixing   By professional     Device with reduced surface temperature   Yes   Ortorlogear replaceability   By professional     Device with reduced surface temperature   Yes   Driver Box   Built-in     IPEA   III   Maximum surface exposed to the wind   0,085 m2     Insulation class   III   Maximum surface exposed to the wind   0,085 m2     IPedegree <td< td=""><td>Weight (kg)</td><td></td><td>Standard El</td><td></td></td<>	Weight (kg)		Standard El	
Operating temperature-30 +50 °CRated frequency (Hz)50 / 60MATERIALS-DriverIncludedBodyDie-cast aluminiumDriver failure rateF10 = 100.000h Tq25°CShield typeFlat tempered glass 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticPolished quartz and metallized PC HTControl SystemDM 6 kV / CM 10 kVGasketAnti-aging siliconeINSTALLATION AND MAINTENANCE-Locking HookHexagonal metric screwStainless steelTiltRotation on bracket with integrated gonometerColourPolyester powder coatedWiringWiringWatertight connectorStainless steelFixingStainless steelFixingBracketClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,085 m2InsulationIIMaximum surface exposed to the wind0,085 m2IpegreeIP66	Warranty	5 years	ELETRICAL AND LIGHTING FE	ATURES -
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   Backet     Device with reduced surface temperature   Yes   Control gear 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     IPedgree   IP66   -   -   -   - <td>Stocking temperature</td> <td>-</td> <td>Supply voltage</td> <td>220 - 240 V</td>	Stocking temperature	-	Supply voltage	220 - 240 V
BodyDie-cast aluminium - Flat tempered glass 4mmDriver failure rateF10 = 100.000h Tq25°CShield typeFlat tempered glass 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticPolished quartz and metallized PC HT reflectorControl SystemDALIGasketAnti-aging siliconeINSTALLATION AND MAINTENANCE-Locking HookHexagonal metric screwsMounting and installationHigh-mast lighting - Wall mounting - Ground moutingExternal screwStainless steelTiltRotation on bracket with integrated goniometerColourPolyester powder coatedWiringWatertight connectorStasification-Ligh souce replaceabilityBy professional Device with reduced surface temperatureYesDevice with reduced surface temperatureYesDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,085 m2Insulation classIIHexagonal-IP degreeIP66Mechanical resistanceIK08	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   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 gear replaceability   By professional     IPEA   -   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   -   Exign and the reduced surface temperature   Yes     Device with reduced surface temperature   Yes   Control Spart replaceability   By professional     IPEA   -   Maximum surface exposed to the wind   0,085 m2   -     IPeagree   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   Watertight connector     STANDARDS AND APPROVALS   -   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   -   -     IP degree   IP66   -     Mechanical resistance   IK08   -	Shield type	Flat tempered glass 4mm	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   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   -   -   -	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 MAINTEN	ANCE -
External screwStainless steelTiltRotation on bracket with integrated goniometerColourPolyester powder coatedWiringWatertight connectorSTANDARDS AND APPROVALS-FixingBracketClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControlgear replaceabilityBy professionalDIN 18032-3 certificationYesDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,085 m2Insulation classIIIP degreeIP66-Mechanical resistanceIK08-	Locking Hook	Hexagonal metric screws	Mounting and installation	
ColourPolyester powder coatedWiringWatertight connectorSTANDARDS AND APPROVALS-FixingBracketClassification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControlgear replaceabilityBy professionalDIN 18032-3 certificationYesDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,085 m2Insulation classIIIP degreeIP66Mechanical resistanceIK08	External screw	Stainless steel	Tilt	Rotation on bracket with integrated
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   -   -     IPederee   IP66   -   -     Mechanical resistance   IK08   -   -	Colour	Polvester powder coated	Wiring	
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	
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 - -	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 tempera	ture Yes		
Insulation class II -   IP degree IP66 -   Mechanical resistance IK08 -			Driver Box	Built-in
IP degree IP66 -   Mechanical resistance IK08 -	IPEA	-	Maximum surface exposed to the	wind 0,085 m2
Mechanical resistance IK08 -	Insulation class	II		-
	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 GWP2174HB**

SMART [PRO] 2.0







IP66

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IK08

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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