

# Product Data Sheet GWP2184NS

SMART [PRO] 2.0



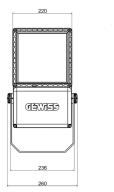
SMART [PRO] 2.0 is a medium power outdoor and indoor LED projector, suitable for lighting sports areas and facilities. It can be installed on the wall, ceiling or ground thanks to the polyester powder coated galvanised steel bracket, with trivalent passivation, equipped with adjustable goniometric scale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

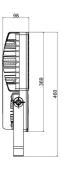
EN AB 46100, with integrated passive heat sink, powder coated polyester with trivalent passivation. Metal core PCB with CSP LED.

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 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.

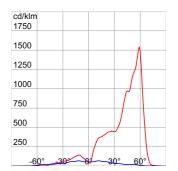
| Application   Indoor / Outdoor   Lumen output (Im)     Unique digital code (Datamatrix)   Currently not present   Efficacy<br>(Im/W)     Colour   Graphite grey   Colour temperature     Type of light source   LED   Colour Rendering Index     System power   165 W   Standard Deviation Colour Matching     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10<br>(Tq25°C)=110.000h   Photobiological Risk Class     Weight (kg)   5.7   Standard   EN60598-1; EN60598-2-5; EN60598-2-5; EN60598-2-42; II<br>IEC62471;     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES     Stocking temperature   -30 +40 °C   Rated frequency (Hz)     MATERIALS   -   Driver     Body   Die-cast aluminium   Driver failure rate   F10 = 100.000     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ULOR = 0<br>17600<br>107<br>4000 K<br>CRI>80<br>SDCM = 3 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Application   Indoor / Outdoor   Lumen output (Im)     Unique digital code (Datamatrix)   Currently not present   Efficacy<br>(Im/W)     Colour   Graphite grey   Colour temperature     Type of light source   LED   Colour Rendering Index     System power   165 W   Standard Deviation Colour Matching     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10<br>(Tq25°C)=110.000h   Photobiological Risk Class     Weight (kg)   5.7   Standard Deviation Colour Matching FEATURES     Stocking temperature   -9   Standard     Qperating temperature   -9   Supply voltage   2     Qperating temperature   -30 +40 °C   Rated frequency (Hz)   2     MATERIALS   Die-cast aluminium   Driver   Driver     Body   Die-cast aluminium   Driver failure rate   F10 = 100.000     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV /     Optic   Polished anodised aluminum reflector with 9.9% pure aluminum   Stand Alo   Stand Alo     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   Stand Alo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 17600<br>107<br>4000 K<br>CRI>80<br>SDCM = 3             |
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| Colour   Graphite grey   Colour temperature     Type of light source   LED   Colour Rendering Index     System power   165 W   Standard Deviation Colour Matching     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10<br>(Tq25°C)=110.000h   Photobiological Risk Class     Weight (kg)   5.7   Standard   EN60598-2; EN60598-2-5; EN60598-2-24; II<br>IEC62471;     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES     Stocking temperature   -30 +40 °C   Rated frequency (Hz)     MATERIALS   -   Driver     Body   Die-cast aluminium   Driver failure rate   F10 = 100.000     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV /     Optic   Polished anodised aluminum reflector with 99.99% pure<br>aluminum   Stand Aloo   Stand Aloo     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   Stand Aloo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4000 K<br>CRI>80<br>SDCM = 3                             |
| Type of light source   LED   Colour Rendering Index     System power   165 W   Standard Deviation Colour Matching   Image: Colour Rendering Index     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10   Photobiological Risk Class   Photobiological Risk Class     Weight (kg)   5.7   Standard   ELETRICAL AND LIGHTING FEATURES     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES     Stocking temperature   - Supply voltage   2     Operating temperature   -30 +40 °C   Rated frequency (Hz)     MATERIALS   - Driver   Driver failure rate   F10 = 100.000     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV /     Optic   Polished anodised aluminum reflector with 99.99% pure aluminum   Stand Aloo   Stand Aloo     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   Stand Aloo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRI>80<br>SDCM = 3                                       |
| System power   165 W   Standard Deviation Colour Matching   Standard Deviation Colour Matching     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10<br>(Tq25°C)=110.000h   Photobiological Risk Class     Weight (kg)   5.7   Standard   EN60598-1; EN60598-2-5; EN60598-2-24; II     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES     Stocking temperature   -   Supply voltage   2     Operating temperature   -30 +40 °C   Rated frequency (Hz)   2     MATERIALS   -   Driver   5     Body   Die-cast aluminium -   Driver failure rate   F10 = 100.000     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV /     Optic   Polished anodised aluminum reflector with 99.99% pure aluminum   Otrol System   Stand Alo     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   Stand Alo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SDCM = 3                                                 |
| LED Lifetime L90B10(Tq25°C)=50.000h; L80B10<br>(Tq25°C)=110.000h Photobiological Risk Class   Weight (kg) 5.7 Standard EN60598-1; EN60598-2-5; EN60598-2-24; II<br>IEC62471;   Warranty 5 years ELETRICAL AND LIGHTING FEATURES   Stocking temperature -30 +40 °C Rated frequency (Hz)   MATERIALS - Driver   Body Die-cast aluminium Driver failure rate F10 = 100.000   Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV /   Optic Polished anodised aluminum reflector with 99.99% pure<br>aluminum INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                        |
| Image: Construction of the second | -<br>                                                    |
| IEC62471;     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES     Stocking temperature   -   Supply voltage   2     Operating temperature   -30 +40 °C   Rated frequency (Hz)   2     MATERIALS   -   Driver   5     Body   Die-cast aluminium -   Driver failure rate   F10 = 100.000     Shield type   Flat tempered glass 4mm   Overvoltage protection   DM 6 kV /     Optic   Polished anodised aluminum reflector with 99.99% pure aluminum   Otrol System   Stand Alo     Gasket   Anti-aging silicone   INSTALLATION AND MAINTENANCE   INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | =C 62778                                                 |
| Stocking temperature - Supply voltage 2   Operating temperature -30 +40 °C Rated frequency (Hz) Attemperature   MATERIALS - Driver   Body Die-cast aluminium Driver failure rate F10 = 100.000   Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV /   Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System Stand Aloo   Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |
| Operating temperature -30 +40 °C Rated frequency (Hz)   MATERIALS Driver   Body Die-cast aluminium -   Shield type Flat tempered glass 4mm   Optic Polished anodised aluminum reflector with 99.99% pure aluminum   Gasket Anti-aging silicone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                        |
| MATERIALS - Driver   Body Die-cast aluminium - Driver failure rate F10 = 100.000   Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV /   Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System Stand Alo   Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20 - 240 V                                               |
| Body Die-cast aluminium - Driver failure rate F10 = 100.000   Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV /   Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System Stand Alog   Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50 / 60                                                  |
| Shield type Flat tempered glass 4mm Overvoltage protection DM 6 kV /   Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System Stand Alo   Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Included                                                 |
| Optic Polished anodised aluminum reflector with 99.99% pure aluminum Control System Stand Alor   Gasket Anti-aging silicone INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | )h Tq25°C                                                |
| aluminum       Gasket     Anti-aging silicone     INSTALLATION AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CM 10 kV                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ne - 1/10V                                               |
| Locking Hook Hexagonal metric screws Mounting and installation High-mast lighting - Wall mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | g - Ground<br>mouting                                    |
| External screw Stainless steel Tilt Rotation on bracket with                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | integrated<br>oniometer                                  |
| Colour Polyester powder coated Wiring Watertight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | connector                                                |
| STANDARDS AND APPROVALS - Fixing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bracket                                                  |
| Classification - Light souce replaceability By pr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ofessional                                               |
| Device with reduced surface temperature Yes Controlgear replaceability By pr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ofessional                                               |
| DIN 18032-3 certification Yes Driver Box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Built-in                                                 |
| IPEA - Maximum surface exposed to the wind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0,085 m2                                                 |
| Insulation class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                        |
| IP degree IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |
| 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/lt/en/company/landingpage/led-warranty. - 1 of 2



Product Data Sheet GWP2184NS

SMART [PRO] 2.0

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### STANDARDS/APPROVALS



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