Product Data Sheet GWS3221AP830

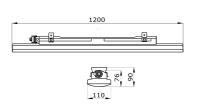
SMART [3] PLUS



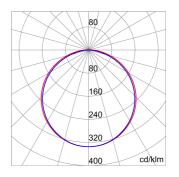
Smart [3] Plus is an IP66/69 ceiling light with LED Flip Type without wire boring, available in 3000K, 4000K, 5700K, with CRI ≥80 and ≥90. IK08 body in self-extinguishing polycarbonate RAL7035, for industrial applications and ideal for production areas, warehouses, and logistics areas Can replace high flux and lowbay fluorescent devices up to 10,000lm. Available in sizes 800, 1200, 1600mm, powers from 25W to 63W, flows from 4,000lm to 10,000lm, with integrated On/Off or DALI power and 3 different optical solutions, Transparent, Opal and Transparent screen with medium-beam optics complete with TIR lens made of PMMA. The version with through wiring has pre-wired mechanical and electrical components, with a maximum of 25 devices installed in a continuous row. It is possible to install the suspension and wall appliance, accessories bracket GW with inclination of 30° or 45° on the vertical axis. An emergency kit version is available.

| Device production rooms Unified Glare Rating UGR ≤ 25 (4H/8H) Luminaire LED fixture for general lighting Unified Glare Rating UGR ≤ 25 (4H/8H) Application Internal Lume output (Im) 5100 Unique digital code (Datamatrix) Datamatrix Efficacy 134 Colour Grey RAL 7035 Colour Rendering Index CRP-80 System power 38 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 Photobiological Risk Class RG0 Weight (kg) 2.4 Standard EN60598-1; IEC 62778; IEC62471 Waranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -25 +80 °C Supply voltage 220-240 V Operating temperature -25 +80 °C Supply voltage 220-240 V Operating temperature -25 +80 °C Colour System power Stocking temperature FI0 = 100.000h Tq25°C Shield type UV stabilised polycarbonate Driver failure rate F10 = 100.000h Tq25°C Overvolage protection | GENERAL INF | ORMATION - | OPTIC AND ILLUMINATING FEATURES | - |
|--|---|----------------------------------|-------------------------------------|-------------------------------------|
| ApplicationInternalLemo utput (lm)5100Unique digital code (Datamatrix)DatamatrixEfficacy (m/W)134 (m/W)ColourGrey RAL 7035Colour temperature3000 K (m/W)ColourGrey RAL 7035Colour temperature3000 K (m/W)ColourBub 10 (Tq25°C)=50.000h; L80B10 (Tq25°C)=40.000h; L80B10 (Tq50°C)=44.00h (Tq50°C)=44.00hStandard Deviation Colour MatchingSDCM = 3 RG0Weight (kg)2.4Standard Deviation Colour MatchingSDCM = 3 (Tq50°C)=44.00hRG0Weight (kg)2.4Standard Deviation Colour MatchingSDCM = 3 (Tq50°C)=44.00hWeight (kg)2.4Standard Deviation Colour MatchingSDCM = 3 (Tq50°C)=44.00hWarranty5 yearsELETRICAL AND LIGHTING FEATURES- (Tq50°C)=44.00hStocking temperature-25 +50 °CRadd frequency (Hz)50/60 Hz (Hz)MaTERIALSDriver failure rateF10 = 100.00h Tq25°COpticIntegrated in the screen (GasketCNC deposited sealan- (Northig and installationCelling - Wallmounting - Suspension (Tig10°C)ColourRAL7035 colored PC paste STANDARDS AND APPROVALSFixingStainless steel support (Tig10°C)- (Tig10°C)ColourRAL7035 colored PC paste STANDARDS AND APPROVALSItg114- (Mith fixing bracket (Dine Rok- (Dine Rok- (Dine RokDivice with reduced surface temperatureYes (PEAControl gear replaceabilityNon-replaceabile (Dine Rok- (Dine RokDivice with red | Context | | Optic | Wide opal |
| Unique digital code (Datamatrix) Datamatrix Efficacy 134 Colour Grey RAL 7035 Colour temperature 3000 K Type of light source LED Colour temperature 3000 K System power 38 W Standard Deviation Colour Matching SDCM = 8 Weight (kg) (Tq50°C)=94.000h Photobiological Risk Class RG0 Weight (kg) 2.4 Standard Deviation Colour Matching SDCM = 8 Veight (kg) 2.4 Standard Deviation Colour Matching SDCM = 8 Veight (kg) 2.4 Standard Deviation Colour Matching SDCM = 8 Veight (kg) 2.4 Standard Evator (Kass) RG0 Warranty 5 years ELTRICAL AND LIGHTING FEATURES - Operating temperature -25 +80 °C Rated frequency (Hz) 50/60 Hz Sody Polycarbonate Driver failure rate F10 = 100.000h Tq25°C Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screen Colour System Oxtro MS MAINTENANCE - - Colour RAL7035 colored PC paste Wuring and installation Ceiling - Walimounting - Suspension | Luminaire | LED fixture for general lighting | Unified Glare Rating | UGR ≤ 25 (4H/8H) |
| Colour Grey RAL 7035 Colour Rendering Index GRI>80 Type of light source LED Colour Rendering Index GRI>80 System power 38 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 Photobiological Risk Class RG0 (Tq50°C)=94.000h (Tq50°C)=94.000h Standard EN60598-1; IEC 62778; IEC62471 Weight (kg) 2.4 Standard EN60598-1; IEC 62778; IEC62471 Warranty 5 years ELET RICAL AND LIGHTING FEATURES - Stocking temperature -25 +80 °C Supply voltage 220-240 V Operating temperature -25 +80 °C Supply voltage 220-240 V Body Polycarbonate Driver Included Body Polycarbonate Driver Included Shield type UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screen Colur System Stand Alone - DALI Colour RAL7035 colored PC paste Wring With GW connect watertight connector STANDARDS AND APPROVALS Tit <td< td=""><td colspan="2"></td><td>Lumen output (Im)</td><td>5100</td></td<> | | | Lumen output (Im) | 5100 |
| Type of light source LED Colour Rendering Index CRI>80 System power 38 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 (Tq50°C)=94.000h Photobiological Risk Class RG0 Weight (kg) 2.4 Standard EN60598-1; IEC 62778; IEC62471 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -25 +50 °C Supply voltage 220-240 V MaTERIALS Driver Included 50/60 Hz Shield type UV stabilised polycarbonate Driver failure rate F10 = 100.000h Tg25°C Optic Integrated in the screen Control System Standarlon Celling - Wallmounting - Suspension Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension DAL I Standard Sand Ander CP cpaste Titl Wiring Stanless steel support Classification - Light souce replaceability Non-replaceable Diver Box Control gaser replaceability Non-replaceability Non-replaceability I hy adultion class II Priver Box Built-in I hy adultion class II Priver Box - | Unique digital code (Datamatrix) Datamatrix | | | 134 |
| System power38 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10Photobiological Risk ClassRG0Weight (kg)2.4Standard Deviation Colour MatchingSDCM = 3Waranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +50 °CRated frequency (Hz)50/60 HzOperating temperature-25 +50 °CRated frequency (Hz)50/60 HzBodyPolycarbonateDriver failure rateF10 = 100.000h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenOvervoltage not celling - Wallmounting - Suspension-ColourRAL7035 colored PC pasteWingWith GW connect watertight connectorSTANDARDS AND APPROVALS-FixingStainless steel supportIPEALight souce replaceabilityNon-replaceableIPEAMaximum surface exposed to the wind-IPEAMaximum surface exposed to the wind-IPG6/IPE69-IPG6/IPE69 | Colour Grey RAL 7035 | | Colour temperature | 3000 K |
| LED Lifetime L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 (Tq50°C)=94.000h Photobiological Risk Class RG0 Weight (kg) 2.4 Standard EN60598-1; IEC 62778; IEC62471 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -25 +80 °C Supply voltage 220-240 V Operating temperature -25 +50 °C Rate d frequency (Hz) 50/60 Hz MATERIALS Driver Included Included Body Polycarbonate Driver failure rate F10 = 100.000h Tq25°C Stield type UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screen Control System Stand Alone - DALI Locking Hook Nonting and installation Ceiling - Wallmounting - Suspension External screw Tit Writh GW connect watertight connector Colour RAL7035 colored PC paste Wring With GW connect watertight connector Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable Diver Box Ulight souce replaceability Non-replaceable Driver Box Built-in | Type of light source LED | | Colour Rendering Index | CRI>80 |
| Weight (kg) 2.4 Standard EN60598-1; IEC 62778; IEC62471 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -25 +80 °C Supply voltage 220-240 V Operating temperature -25 +50 °C Rated frequency (Hz) 50/600 Hz MATERIALS - Driver Included Body Polycarbonate Driver failure rate F10 = 100.000h Tq25°C Shield type UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screw - Tilt With fixing bracket Locking Hook - Tilt With fixing bracket - Colour RAL7035 colored PC paste Wiring With fixing bracket - STANDARDS AND APPROVALS - Fixing Stainlees steel support Classification - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable Divit PGaree IP66//P69 - - - Pericee IP66//P69 - | System power 38 W | | Standard Deviation Colour Matching | SDCM = 3 |
| Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -25 +80 °C Supply voltage 220-240 V Operating temperature -25 +80 °C Rated frequency (Hz) 50/60 Hz MATERIALS - Driver Included Body Polycarbonate Driver failure rate F10 = 100.000h Tq25°C Shield type UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screen Control System Stand Alone - DALI Gasket CNC deposited sealant INSTALLATION AND MAINTENANCE - Locking Hook - Tilt With fixing bracket Colour RAL7035 colored PC paste Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Stailess steel support Classification - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable Device with reduced surface temperature | LED Lifetime | | Photobiological Risk Class | RG0 |
| Stocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +50 °CRated frequency (Hz)Sol/60 HzMATERIALSDriverIncludedBodyPolycarbonateDriver failure rateF10 = 100.00h Tq25 °CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - DALIGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDevice with reduced surface temperatureNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind-IPedgreeIP66/IP6Mechanical resistanceIK08 | Weight (kg) | 2.4 | Standard | EN60598-1; IEC 62778; IEC62471 |
| Operating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALS-DriverIncludedBodyPolycarbonateDriver failure rateF10 = 100.000 h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStanAlone - DALIGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith GW connect waterligs teel supportClassification-Light souce replaceabilityNon-replaceableDivide with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind-IP degreeIP66/IP69Mechanical resistanceIK08 | Warranty 5 years | | ELETRICAL AND LIGHTING FEATURES | - |
| MATERIALS Driver Included Body Polycarbonate Driver failure rate F10 = 100.000h Tq25°C Shield type UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screen Control System Stand Alone - DALI Gasket CNC deposited sealant INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw - Tilt With GW connect watertight connector Colour RAL7035 colored PC paste Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - - IP degree IP66/IP69 - - Mechanical resistance IK08 - - | Stocking temperature -25 +80 °C | | Supply voltage | 220-240 V |
| BodyPolycarbonateDriver failure rateF10 = 100.000h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - DALIGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith GW connect watertight connectorSTANDARDS AND APPROVALS-FixingStainless steel supportClassification-Light souce replaceabilityNon-replaceableDivice with reduced surface temperatureYesControlgear replaceabilityNon-replaceableIPEA-Maximum surface exposed to the wind-Insulation classIIIP degreeIP66/IP69Mechanical resistanceIK08 | Operating temperature -25 +50 °C | | Rated frequency (Hz) | 50/60 Hz |
| Shield type UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screen Control System Stand Alone - DALI Gasket CNC deposited sealant INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw - Tilt With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Stainless steel support Classification - Light souce replaceability Non-replaceable Divice with reduced surface temperature Yes Control Gear replaceability Non-replaceable Divise Box II Maximum surface exposed to the wind - IPEA - Maximum surface exposed to the wind - IP degree IP66/IP69 - - Mechanical resistance IK08 - - | MATERIALS - | | Driver | Included |
| OpticIntegrated in the screenControl SystemStand Alone - DALIGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind-IP degreeIP66/IP69Mechanical resistanceIK08 | Body | Polycarbonate | Driver failure rate | F10 = 100.000h Tq25°C |
| Gasket CNC deposited sealant INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw - Tilt With fixing bracket Colour RAL7035 colored PC paste Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Stainless steel support Classification - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - - IP degree IP66/IP69 - - Mechanical resistance IK08 - - | Shield type | UV stabilised polycarbonate | Overvoltage protection | DM 1KV / CM 2KV |
| Locking HookMounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC paseWiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-FixingStainless steel supportClassification-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureYesControlgear replaceabilityNon-replaceableDIN 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind-Insulation classIIIP degreeIP66/IP69Mechanical resistanceIK08 | Optic | Integrated in the screen | Control System | Stand Alone - DALI |
| External screw - Tilt With fixing bracket Colour RAL7035 colored PC pase Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Stainless steel support Classification - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - - IPedgree IP66/IP69 - - Mechanical resistance IK08 - - | Gasket CNC deposited sealant | | INSTALLATION AND MAINTENANCE | - |
| Colour RAL7035 colored PC paste Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Stainless steel support Classification - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - - IP degree IP66/IP69 - - Mechanical resistance IK08 - - | Locking Hook - | | Mounting and installation | Ceiling - Wallmounting - Suspension |
| STANDARDS AND APPROVALS - Fixing Stainless steel support Classification - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - - IP degree IP66/IP69 - - Mechanical resistance IK08 - - | External screw - | | Tilt | With fixing bracket |
| Classification - Light souce replaceability Non-replaceable Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - - IPedgree IP66/IP69 - - Mechanical resistance IK08 - - | Colour RAL7035 colored PC paste | | Wiring | |
| Device with reduced surface temperature Yes Controlgear replaceability Non-replaceable DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - - IP degree IP66/IP69 - Mechanical resistance IK08 - | STANDARDS AND APPROVALS - | | Fixing | Stainless steel support |
| DIN 18032-3 certification Not available Driver Box Built-in IPEA - Maximum surface exposed to the wind - Insulation class II - IP degree IP66/IP69 - Mechanical resistance IK08 - | Classification - | | Light souce replaceability | Non-replaceable |
| IPEA - Maximum surface exposed to the wind - Insulation class II - IP degree IP66/IP69 - Mechanical resistance IK08 - | Device with reduced surface temperature Yes | | Controlgear replaceability | Non-replaceable |
| Insulation class II - IP degree IP66/IP69 - Mechanical resistance IK08 - | DIN 18032-3 certification Not available | | Driver Box | Built-in |
| IP degree IP66/IP69 - Mechanical resistance IK08 - | IPEA - | | Maximum surface exposed to the wind | - |
| Mechanical resistance IK08 - | | | | - |
| | ··· J ··· | | | - |
| Glow Wire Test 850 °C - | | | | - |
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DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY Image: Constraint of the symbol Image:

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 GWS3221AP830

SMART [3] PLUS



