Product Data Sheet GWS3220AT840

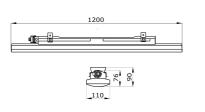
SMART [3] PLUS



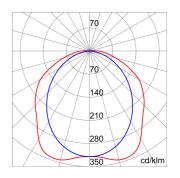
Smart [3] Plus is an IP66/69 ceiling light with LED Flip Type without wire boring, available in 3000K, 4000K, 5700K, with CRI \ge 80 and \ge 90. IK08 body in self-extinguishing polycarbonate RAL7035, for industrial applications and ideal for production areas, warehouses, and logistics areas Can replace 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.

Context Lighting of warehouses, indoor parking and industrial production rooms Optic Microprismatic transparent Luminaire LED fixture for general lighting Unfied Glare Rating UGR ≤ 25 (4H/4H) Application Internal Lumen output (Im) 5700 Unique digital code (Datamatrix) Datamatrix Efficacy (ImW) 158 Colour Grey RAL 7035 Colour temperature 4000 K Type of light source LED Colour Rendering Index CRI>80 System power L98010(Tq25*C)=50.000h; L80B10(Tq25*C)=100.000h; L80B10 Photobiological Risk Class RG0 Weight (kg) 2.4 Standard ELS0E505.1; EC 62778; IEC 6278; IEC 6278; IEC 6278; IEC 6278; IEC 6278; IEC 6278; IEC 627	GENERAL INF	FORMATION -	OPTIC AND ILLUMINATING FEATURES -	
ApplicationInternalLume output (Im)5700Unique digital code (Datamatrix)DatamatrixEfficacy158ColourGrey RAL 7035Colour temperature4000 KType of light sourceLEDColour tendering IndexCRI>80System powerL80BColour Rendering IndexCRI>80LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=40.000h; L80B10Chorboilogical Risk ClassR60Weight (kg)2.4Standard Deviation Colour MatchingSDCM1Weight (kg)2.4StandardEN60598-1; IEC 62778; IEC62471Waranty5 yearsELETICAL AND LIGHTING FEATURES-Stocking temperature-25 +80 °CRated frequency (Hz)50/60 HzMATERIALSOriver failure rateF10 = 100.000 h Tq25°CIncludedBodyPolycarbonateOriver failure rateF10 = 100.000 h Tq25°C-Shield typeUV stabilised polycarbonateControl SystemStand Alone - On / Off-GasketCNC deposited sealantINSTALLATION AND MAINTENANCELocking HookMuting and installationCeiling - Wallmounting - SuspensionClassification-Light souce replaceabilityNon-replaceable-Divicer RAL7035 colored PC pasteWiringStainless steel support-Insulation classIIControlgear replaceabilityNon-replaceable-Divier Rox-Light souce replaceabilityNon-replaceable-Divier RoxII<	Context		Optic	Microprismatic transparent
Unique digital code (Datamatrix) Datamatrix Efficacy 158 Colour Grey RAL 7035 Colour temperature 4000 K Type of light source LED Colour temperature 4000 K System power 38 W Standard Deviation Colour Matching SDCR # 3 Weight (kg) (Tq50°C)=94.000h Photobiological Risk Class RG0 Weight (kg) 2.4 Standard Deviation Colour Matching SDCR # 3 Veight (kg) 2.4 Standard Deviation Colour Matching SDCR # 3 Voight (kg) 2.4 Standard Eventoric Colur Matching SDCR # 3 Operating temperature -25 +80 °C Supply voitage 20-240 V Operating temperature -25 +80 °C Rated frequency (Hz) 5060 Hz Shield type UV stabilised polycarbonate Driver failure rate F10 = 100.000 ht 265°C Standard frequency (Hz) Standard Mone - On / Off Gasket Control System Standard Mone - On / Off Gasket CNC deposited sealure Viting With fixing bracket Colour RAL7035 colored PC paste With fixing bracket Colour RAL7035 colored PC paste Witing <	Luminaire	LED fixture for general lighting	Unified Glare Rating	UGR ≤ 25 (4H/4H)
Colour Grey RAL 7035 Colour temperature 400 K Type of light source LED Colour remedering Index CRI>80 System power 36 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=400.000h; L80B10(Tq25°C)=400.000h; L80B10(Tq25°C)=400.000h Photobiological Risk Class RG0 Weight (kg) 2.4 Standard EN60598-1; IEC 62778; IEC62471 Warranty 5 years ELETRICAL AND LIGHTING FEATURES 20-240 V Stocking temperature -25 +50 °C Supply voltage 220-240 V MatTERIALS Driver Included 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 - On / Off Gasket CNC deposited sealant INSTALLATION AND MAINTENANCE - Colour RAL7035 colored PC paste Wiring With GW connect watertight connector Standardo Not available Driver Rox Buillt-in Device	Application Internal		Lumen output (Im)	5700
Type of light sourceLEDColour Rendering IndexCRI>80System power36 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10(Tq25°C)=94.000hPhotobiological Risk ClassRG0Weight (kg)2.4Standard Deviation Colour MatchingEN60598-1; IEC 62778; IEC 62778; IEC 62471Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +60 °CSupply voltage220-240 VOperating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALSDriverIncluded50/60 HzShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStandard Lone - 0 / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-ColourRAL7035 colored PC pasteWiringWith GW connect watertight connectorSTANDARDS AND APPROVALSFixingStainless steel supportClassificationLight souce replaceabilityNon-replaceabileDiv 18032-3 certificationNot availableDriver BoxBuilt-inIPEAMaximum surface exposed to the wind-IpedgreeIP6/IP69Maximum surface exposed to the wind-IpedgreeIP6/IP69-Mechanical resistanceIK08-	Unique digital code (Datamatrix) Datamatrix			158
System power36 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 (Tq50°C)=94.000h (Tq50°C)=94.000hPhotobiological Risk ClassRG0Weight (kg)2.4StandardEN60598-1; IEC 62778; IEC62471Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALS-DriverIncludedBodyPolycarbonateDriver failure rateF10 = 100.000h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TitWith GW connect watertight connectorSTANDARDS AND APPROVALS-Light souce replaceabilityNon-replaceableDiver soutface temperatureYesControl SystemBuilt souce replaceabilityNon-replaceableINS1ALLATION AND Astrong and missilationCeiling - Wallmounting - SuspensionIncluded-TitWith GW connect watertight connector-Standard External screw-TitWith GW connect watertight connectorColourRAL7035 colored PC pasteWith	Colour	Grey RAL 7035	Colour temperature	4000 K
LÉD LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 (Tq50°C)=94.000hPhotobiological Risk ClassRG0Weight (kg)2.4StandardEN60598-1; IEC 62778; IEC62471Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +80 °CRated frequency (Hz)50/60 HzMATERIALS-DriverIncludedBodyPolycarbonateDriver failure rateF10 = 100.000h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - On / OffColourRAL7035 colored PC pasteWing guidence with GW connected with fixing bracketWith GW connected with fixing bracketColourRAL7035 colored PC pasteWing guidence with GW connected with fixing bracketStainless steel supportClassification-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureYesControlgear replaceabilityNon-replaceableDevice with reduced surface temperatureYesMaximum surface exposed to the wind-IPEA-IIMaximum surface exposed to the wind-IPedageeIP66/IP66IPd degreeIP66/IP66IP degreeIP66/IP66IP degreeIP66/IP66IP degreeIP66/IP66- <td< td=""><td colspan="2">Type of light source LED</td><td>Colour Rendering Index</td><td>CRI>80</td></td<>	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 +80 °C Rated frequency (Hz) 50/60 Hz MATERIALS Driver Included Body Polycarbonate Driver railure rate F10 = 100.000h Tq25°C Shield type UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the scree Concol System Stand Alone - On / Off Locking Hook - Tilt With fixing bracket Colour RAL7035 colored PC paste Wiring With GW connector watertight connector STANDARDS AND APPROVALS - Fixing Stainless steel support Classification - Light souce replaceability Non-replaceable Divier gradee IPEA - Maximum surface exposed to the wind - IPEA - Mounting and installation Ceiling - Vallmounting - Suspension External screw - Tilt With fixing bracket	System power 36 W		Standard Deviation Colour Matching	SDCM = 3
Warranty5 yearsELETRICAL AND LIGHTING FEATURESStocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALS-Driver60/60 HzBodyPolycarbonateDriverF10 = 100.000h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDiving BiolocianNot availableDriver BoxBuilt-inIP EA-Maximum surface exposed to the wind-IP degreeIP66/IP69Mechanical resistanceIK08	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALS-DriverIncludedBodyPolycarbonateDriver failure rateF10 = 100.00h Tq25 °CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Walth fixing bracketColourRAL7035 colored PC pasteViringWith GW connect watertight connectorSTANDARDS AND APPROVALS-FixingStainless steel supportDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableIPEA-Maximum surface exposed to the windInsulation classIIIPegreeIP66/IP69Mechanical resistanceIK08	Weight (kg)	2.4	Standard	EN60598-1; IEC 62778; IEC62471
Operating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALSDriverIncludedBodyPolycarbonateDriver failure rateF10 = 100.00h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDt1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - On / OffGasketCNC 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-replaceableDivide greeIP66/IP69IP 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 Driver failure rate F10 = 100.000h Tq25°C Optic UV stabilised polycarbonate Overvoltage protection DM 1KV / CM 2KV Optic Integrated in the screen Control System Stand Alone - On / Off 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 - IP degree IP66/IP69 - - Mechanical resistance IK08 - -	Stocking temperature -25 +80 °C		Supply voltage	220-240 V
BodyPolycarbonateDriver failure rateF10 = 100.00h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - On / OffGasketCNC 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-replaceableDiver BoxControlgear replaceabilityNon-replaceableBuilt-inIPEA-Maximum surface exposed to the wind-Insulation classIIIII-IP degreeIP66/IP69Mechanical resistanceIK08	Operating temperature -25 +50 °C		Rated frequency (Hz)	50/60 Hz
Shield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticIntegrated in the screenControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-FixingStainless steel supportClassification-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableIPEA-Maximum surface exposed to the wind-IIIIIII legreeIIP66/IP69Mechanical resistanceIK08	MATERIALS -		Driver	Included
OpticIntegrated in the screenControl SystemStand Alone - On / OffGasketCNC 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-IIIIII-IP degreeIP66/IP69Mechanical resistanceIK08	Body		Driver failure rate	F10 = 100.000h Tq25°C
GasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith 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-IIIIII66/IP69Mechanical resistanceIK08	Shield type	UV stabilised polycarbonate	Overvoltage protection	DM 1KV / CM 2KV
Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith 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		Stand Alone - On / Off
External screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith 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 classIIMechanical resistanceIK08	Gasket CNC deposited sealant		INSTALLATION AND MAINTENANCE	-
ColourRAL7035 colored PC pasteWiringWith 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	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	
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 - -	Colour RAL7035 colored PC paste		Wiring	With GW connect watertight connector
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 - - IPederee IP66/IP69 - - Mechanical resistance IK08 - -	STANDARDS AND APPROVALS -			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 -			Maximum surface exposed to the wind	-
Mechanical resistance IK08 -				-
	-			-
Glow Wire Test 850 °C -	Mechanical resistance IK08			-
	Glow Wire Test 850 °C			-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



GWT

850 °C

TECHNICAL SYMBOLOGY Image: Constraint of the symbol Image: Constreact of the symbol

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 GWS3220AT840

SMART [3] PLUS



