## Product Data Sheet GWS3321AP840

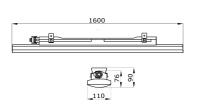
SMART [3] PLUS



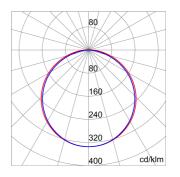
Smart [3] Plus is an IP66/69 ceiling light with LED Flip Type without wire boring, available in 3000K, 4000K, 5700K, with CRI ≥80 and ≥90. IK08 body in self-extinguishing polycarbonate RAL7035, for industrial applications and ideal for production areas, warehouses, and logistics areas Can replace high 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)     7100       Unique digital code (Datamatrix)     Datamatrix     Efficacy     142       Colour     Grey RAL 7035     Colour Rendering Index     CRP-80       System power     50 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)     3.8     Standard     EN60598-1; IEC 62778; IEC62471       Waranty     5 years     ELERICAL 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     500k Hz       Shield type     UV stabilised polycarbonate     Driver failure rate     F10 = 100.000h Tq25°C       Shield type     UV stabilised polycarbonate <td< th=""><th>GENERAL INF</th><th>ORMATION -</th><th>OPTIC AND ILLUMINATING FEATURES</th><th>-</th></td<>	GENERAL INF	ORMATION -	OPTIC AND ILLUMINATING FEATURES	-
ApplicationInternalLemo utput (lm)7100Unique digital code (Datamatrix)DatamatrixEfficacy (m/W)142 (m/W)ColourGrey RAL 7035Colour temperature4000 KType of light sourceLEDColour temperature4000 KSystem powerStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=40.000h; L80B10 (Tq50°C)=44.000 KStandard Deviation Colour MatchingSDCM = 3Weight (kg)3.8Standard Deviation Colour MatchingSDCM = 3Warranty5 yearsELETRCAL AND LIGHTING FEATURES-Stocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +50 °CRad fequency (Hz)50/60 HzMaTERIALSDriver failure rateF10 = 100.00h Tq25°C)-OpticIntegrated in the screenDriver failure rateF10 = 100.00h Tq25°CShield typeUV stabilised polycarbonateOveroltage protectionDM 1KV / CM 2KVOpticIntegrated in the screen-INSTALLATION AND MAINTENANCE-ColourRAL7035 colored PC pasteWiringStainless steel support-Stasfication-Light source replaceabilityNon-replaceabileDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceabileDivier BoXCerling-Wallmounting - Light sourceStainless steel support-ColourRAL7035 colored PC pasteWiringStainless steel support <td>Context</td> <td></td> <td>Optic</td> <td>Wide opal</td>	Context		Optic	Wide opal
Unique digital code (Datamatrix)   Datamatrix   Efficacy   142     Unique digital code (Datamatrix)   Ifficacy   142     Colour   Grey RAL 7035   Colour temperature   4000 K     Type of light source   LED   Colour temperature   4000 K     System power   50 W   Standard Deviation Colour Matching   SDCR 83     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.00h; L80B10   Photobiological Risk Class   RG0     Weight (kg)   Tq50°C)=94.000h   Standard   EN60598-1; IEC 62778; IEC62471   -     Waranty   5 years   ELETRICAL AND LIGHTING FEATURES   -   -     Operating temperature   -25 +80 °C   Supply voltage   220-240 V   Operating temperature   -   160/06 Hz   -     Body   Polyachonda   Driver failure rate   F10 = 100.000h Tq25°C   -   160/06 HZ   -   160/06 HZ <td colspan="2">Luminaire LED fixture for gene</td> <td>Unified Glare Rating</td> <td>UGR ≤ 25 (4H/8H)</td>	Luminaire LED fixture for gene		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   50 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)   3.8   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   -   T			Lumen output (Im)	7100
Type of light source   LED   Colour Rendering Index   CRI>80     System power   50 W   Standard Deviation Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10(Tq25°C)=40.000h   Photobiological Risk Class   RG0     Weight (kg)   3.8   Standard Deviation Colour Matching   SDCM = 3     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -25 +50 °C   Supply voltage   220-240 V     MaTERIALS   Driver   Rated frequency (Hz)   50/60 Hz     Body   Polycarbonate   Driver   Not Vabilised plycarbonate   Overvoltage protection   DM 1KV / CM 2KV     Optic   Integrated in the screen   Collour System   Stand Alone - DALI   INSTALLATION AND MAINTENANCE   -     Colour   RAL7035 colored PC paste   Wiring   With GW connect watertight connector   Stanless steel support     Stanlation   Ceiling - Walkerse   Fixing   Stanless steel support   Stalless steel support     Classification   Locking Hook   Non-replaceability   Non-replaceability   Non-replaceability     DiN 18032-3 certification   Not avaialable <td colspan="2">Unique digital code (Datamatrix) Datamatrix</td> <td></td> <td>142</td>	Unique digital code (Datamatrix) Datamatrix			142
System power50 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10Photobiological Risk ClassRG0Weight (kg)3.8Standard 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-Tik nou celling - Wallmounting - SuspensionStainless steel supportIPEATik nou celling - Wallmounting - SuspensionStainless steel supportIPEATik nou celling - Wallmounting - SuspensionStainless steel supportIDIN 18032-3 certificationNot availableDriver BoxStainless steel supportIPEAMaximum surface exposed to the wind-IPEAMaximum surface exposed to the wind-IPEA-IPE6/IPE69IPedereeIPE6/IPE69Mattering IP degreeeIPE6/IPE69 <td>Colour</td> <td>Grey RAL 7035</td> <td>Colour temperature</td> <td>4000 K</td>	Colour	Grey RAL 7035	Colour temperature	4000 K
LED Lifetime   L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 (Tq50°C)=94.000h   Photobiological Risk Class   RG0     Weight (kg)   3.8   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   Reted 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     Device with reduced surface temperature   Yes   Controlgear replaceability   Non-replaceable	Type of light source LED		Colour Rendering Index	CRI>80
Weight (kg)   3.8   Standard   EN60598-1; IEC 62778; IEC 62778	System power 50 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)	3.8	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 classIIMechanical 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 -				-
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Glow Wire Test 850 °C -				-
	Glow Wire Test 850 °C			-

## 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 GWS3321AP840

SMART [3] PLUS



