## Product Data Sheet GWS3320BC830

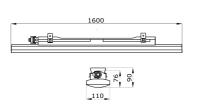
#### SMART [3] PLUS



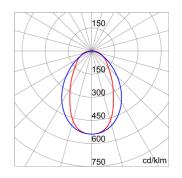
Smart [3] Plus is an IP66/69 ceiling light with LED Flip Type without wire boring, available in 3000K, 4000K, 5700K, with CRI  $\ge$ 80 and  $\ge$ 90. IK08 body in self-extinguishing polycarbonate RAL7035, for industrial applications and ideal for production areas, warehouses, and logistics areas Can 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     Transparent with internal lense production rooms       Luminaire     LED fixture for general lighting     Unified Glare Rating     UGR ≤ 25 (4H/8H)       Application     Internal     Lumen output (im)     8500       Unique digital code (Datamatrix)     Datamatrix     Efficacy (imW)     199       Colour     Grey RAL 7035     Colour temperature     3000 K       System power     61 W     Standard Deviation Colour Matching     SDCN=33       LED Lifetime     L80B10(Tq25°C)=50.000h; L80B10(Tq25°C)=40.000h; L80B10     Photobiological Risk Class     R60       Weight (kg)     4     Standard     EN60598-1; IEC 62778; IEC62471       Waranty     5 years     ELETRICLA AND LIGHTING FEATURES     -       Operating temperature     -25 +60 °C     Rated frequency (Hz)     50/60 Hz       MATERIALS     -     Driver failure rate     F10 = 100.000h Tq25°C       Optic     PMAM lens inside     Oornorlog system     OM HK/ / CM 2KV       Optic     PMAM lens inside     Oornorlog system     Standarlog erotecton     DM HK/ / CM 2KV	GENERAL INF	ORMATION -	OPTIC AND ILLUMINATING FEATURES	-
Application   Internal   Lumen output (lm)   8500     Unique digital code (Datamatrix)   Datamatrix   Efficacy   139     Colour   Grey RAL 7035   Colour temperature   3000 K     Type of light source   LED   Colour Rendering Index   CRI>80     System power   L90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 (Tq50°C)=94.000h   Standard Deviation Colour Matching   SDCM = 3     Weight (kg)   4   Standard Deviation Colour Matching   SDCM = 3     Weight (kg)   5 years   ELETRICAL AND LIGHTING FEATURES   -     Vorget in temperature   -25 +80 °C   Supply voltage   220-240 V     Operating temperature   -25 +50 °C   Rated frequency (Hz)   50/60 Hz     MATERIALS   Driver failure rate   F10 = 100.000h Tq25°C   -     Shield type   UV stabilised polycarbonate   Driver failure rate   Stand Alone - On / of   -     Optic   PMMA lens inside   Control System   Stand Alone - On / of   -     Colour   RAL7035 colored PC pase   Wiring   Wattendumting - Suspension     External screw   -   Tilt   Wuith GW connect wattertight connector	Context		Optic	Transparent with internal lens
Unique digital code (Datamatrix)DatamatrixEfficacy (Im/W)139ColourGrey RAL 7035Colour temperature3000 KType of light sourceLEDColour temperature3000 KSystem power61 WStandard Deviation Colour MatchingSDCM #3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=100.000h; L80B10 (Tq50°C)=94.000hPhotobiological Risk ClassRGOWeight (kg)4StandardEN60598-1; IEC 62778; IEC62471Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +80 °CRated frequency (Hz)5060 HzSoking totypeUV stabilised polycarbonateDriver failure rateF10 = 100.000 ht 725°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticPMMA lens insideControl SystemStand Alone - On / OffGasketCNC deposited sealantWorting and installationCeiling - Waltmounting - SuspensionClassification-Light source replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl SystemStailes steel supportClassification-Light source replaceabilityNon-replaceableDiver BoxNot replaceableMaximum surface exposed to the wind-InstallationFileStandardNot replaceableNon-replaceableNon-replaceableDiver Bo	Luminaire	LED fixture for general lighting	Unified Glare Rating	UGR ≤ 25 (4H/8H)
Colour     Grey RAL 7035     Colour temperature     300 K       Type of light source     LED     Colour temperature     300 K     CRI>80       System power     61 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)     4     Standard     EN60598-1; IEC 62778; IEC62471       Warranty     5 years     ELET RICAL AND LIGHTING FEATURES     -       Stocking temperature     -25 +50 °C     Supply voltage     220-240 V       MatTERIALS     5 years     ELET RICAL AND LIGHTING FEATURES     -       Body     Polycarbonate     Driver     1/ncluded       Body     Polycarbonate     Overvoltage protection     DM HCV / OM 2KV       Staket     CNC deposited sealant     INSTALLATION AND MAINTENANCE     -       Locking Hook     Titl     Wining     With GW connect watertight connector       StandAnd Servew     Titl     Witing     Non-replaceable       Optic     PRMA lens installation     Celling - Wallmounting - Suspension <t< td=""><td colspan="2">Application Internal</td><td>Lumen output (Im)</td><td>8500</td></t<>	Application Internal		Lumen output (Im)	8500
Type of light sourceLEDColour Rendering IndexCRI>80System power61 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)=50.000h; L80B10(Tq25°C)=10.000h; L80B10(Tq25°C)=94.000hStandard Deviation Colour MatchingSDCM = 3Weight (kg)4Standard Deviation Colour MatchingSDCM = 3Warranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-25 +80 °CSupply voltage220-240 VOperating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALSDriverIncludedDriverIncludedSoking topUV stabilised polycarbonateDriver failure rateF10 = 100.000h Tq25°COpticPMMA lens insideControl SystemStand Alon e. On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-TitWith GW connect watertight connectorSTANDARDS AND APPROVALS-FixingStainless steel supportClassification-Light source replaceabilityNon-replaceableDiv 18032-3 certificationNot availableDriver BoxBuiltIPEA-Maximum surface exposed to the wind-IP degreeIP6/IP69IP degreeIP6/IP69-	Unique digital code (Datamatrix) Datamatrix			139
System power   61 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)   4   Standard   EN60598-1; IEC 62778; IEC62471     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -25 +50 °C   Rated frequency (Hz)   50/60 Hz     Operating temperature   -25 +50 °C   Rated frequency (Hz)   50/60 Hz     Body   Polycarbonate   Driver   Included     Shield type   UV stabilised polycarbonate   Overvoltage protection   DM 1KV / CM 2KV     Optic   PMMA lens inside   Control System   Stand Alone - On / Off     Gasket   CNC deposited sealant   Tilt   With GW connect watertight connector     Colour   RAL7035 colored PC paste   Fining   Stainless steel support     Classification   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   Yes   Control System   Stainless steel support     Classification   -   Light souce replaceability   Non-replaceable     Divir	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)   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   Supply voltage   220-240 V     MATERALS   Driver   Oncided   Included     Body   Polycarbonate   Driver failure rate   F10 = 100.000h Tq25°C     Shield type   UV stabilised polycarbonate   Overvoltage protection   DM 1KV / CM 2KV     Optic   PMMA lens inside   Control System   Stand Alone - On / Off     Locking Hook   CNC deposited sealant   INSTALLATION AND MAINTENANCE   -     Colour   RAL7035 colored PC paste   Wing   With GW connect watertight connector     Stainless steel support   Eight souce replaceability   Non-replaceable     Device with reduced surface temperature   Yes   Controlgear replaceability   Non-replaceable     Diver Basification   Not available   Driver Box   Builtin     IPEA <td colspan="2">Type of light source LED</td> <td>Colour Rendering Index</td> <td>CRI&gt;80</td>	Type of light source LED		Colour Rendering Index	CRI>80
Weight (kg)   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   PMMA lens inside   Control System   Stand Alone - On / Off     Locking Hook   -   Tilt   With fixing bracket     Colour   RAL7035 colored PC paste   Wiring   With GW connect waterlist steel support     Classification   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   Yes   Cortrolgaer replaceability   Non-replaceable     Device with reduced surface temperature   Yes   Cortrolgaer replaceability   Non-replaceable     Device with reduced surface temperature   Yes   Cortrolgaer replaceability   Non-replaceable     Device with red	System power 61 W		Standard Deviation Colour Matching	SDCM = 3
Warranty5 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 2KVOpticPMMA lens insideControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-FixingStainless steel supportDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDin Na02-3 certificationNot availableDriver BoxBuilt-inIPEA-Maximum surface exposed to the wind-Insulation classIIIP degreeIP66I/P69Mechanical 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 = 100.000h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticPMMA lens insideControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteViringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Light souce replaceabilityNon-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableDin 18032-3 certificationNot availableDriver BoxBuilt-inIPEA-IMaximum surface exposed to the wind-Insulation classIIHaximum surface exposed to the wind-IP degreeIP66/IP69IP degreeIP66/IP69IK08-IK08-	Weight (kg)	4	Standard	EN60598-1; IEC 62778; IEC62471
Operating temperature-25 +50 °CRated frequency (Hz)50/60 HzMATERIALSDriverIncludedBodyPolycarbonateDriver failure rateF10 = 100.000h Tq25°CShield typeUV stabilised polycarbonateOvervoltage protectionDM 1KV / CM 2KVOpticPMMA lens insideControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWith fixing bracketColourRAL7035 colored PC pasteWiringWith GW connect waterlight 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	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   PMMA lens inside   Control System   DM 1KV / CM 2KV     Optic   PMMA lens inside   Control System   Stand Alone - On / Off     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   Stainess steel support     Classification   -   Light souce replaceability   Non-replaceable     Driver Box   -   Maximum surface exposed to the wind   -     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 2KVOpticPMMA lens insideControl 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-replaceableDevice with reduced surface temperatureYesControl gear replaceabilityNon-replaceableIPEA-Maximum surface exposed to the wind-IPeqeeIP66/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   PMMA lens inside   Control System   Stand Alone - On / Off     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   -   Light souce replaceability   Non-replaceable     Device with reduced surface temperature   Yes   Control gear 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   -   -	MATERIALS -		Driver	Included
OpticPMMA lens insideControl SystemStand Alone - On / OffGasketCNC deposited sealantINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screw-TiltWiting bracketColourRAL7035 colored PC pasteWiringWith GW connect waterlight 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	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   -   External screw   -     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   -     IP degree   IP66/IP69   -   -     Mechanical resistance   IK08   -   -	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	PMMA lens inside	Control System	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 -			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   -   -     IPeqere   IP66/IP69   -   -     Mechanical resistance   IK08   -   -	External screw -			
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 - -   IP degree 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 - -			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 -				Built-in
IP degree IP66/IP69 -   Mechanical resistance IK08 -			Maximum surface exposed to the wind	-
Mechanical resistance IK08 -				-
				-
Glow Wire Test     850 °C     -				-
	Glow Wire Tes	t 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 GWS3320BC830

SMART [3] PLUS



