

# Product Data Sheet GWS4124BP830

SMART [4]



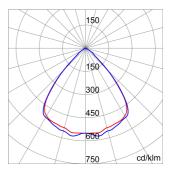
Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with vent and anti-condensation device, heat dissipation device in aluminium alloy EN AB 44300. It is equipped with a dual optical system that includes a metallic reflector with ARRAY optics and a metallic reflector with UV stabilized PMMA lenses, with high efficiency, which allow a wide variety of light distributions 30°, 60°, 90°, Asymmetric and Elliptical. The version with through wiring has pre-wired mechanical and electrical connection components. Suspension, wall and projection appliances can be installed. It is available with three types of Colour Temperature (3000K / 4000K / 5700K), Color Rendering Index CRI>80 and two power supply options (ON/OFF or DALI).

Luminaire	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	<u>-</u>
Application	Context		Optic	90°
Unique digital code (Datamatrix)         Datamatrix         Efficacy (im/W)         148           Colour         Grey RAL 7035         Colour temperature         300 K           Type of light source         64 W (+5W Emerg.)         Colour Rendering Index         CRI>80           System         64 W (+5W Emerg.)         Standard Deviation Colour Matching         SDCM = 3           Dever         LED Lifetime         L90B10(Tq25°C)>150.000h; L90B10 (Tq25°C)=140.000h         Thotbiological Risk Class         RC0           Weight (kg)         5         Standard         ELETRICAL AND LIGHTING FEATURES         RC0           Warranty         5 years         Stocking temperature         40 +70 °C         Supple Viver         Stocking temperature         9 +40 °C         Nor Year         Rated frequency (Hz)         5 5606 Hz         Rated frequency (Hz)         5 5606 Hz         Nor Year	Luminaire	LED Industrial Reflector	Unified Glare Rating	UGR ≤ 25
Unique digital code (Datamatrix)         Datamatrix (m/W)         Efficacy (m/W)         148           Colour         Grey RAL 7035         Colour temperature         3000 K           Type of light source         64 W (+5W Emers)         Standard Deviation Colour Matching         3000 K           System         64 W (+5W Emers)         Standard Deviation Colour Matching         SDCM = 3           power         For 10 (Tq40°C)=140.000h         Photobiological Risk Class         EN 60598-2-2; EN 60598-1; EN 60598-2-24           Weight (kg)         5 years         Standard         ELETRICAL AND LIGHTING FEATURES         EN 60598-2-2; EN 60598-1; EN 60598-2-24           Warranty         5 years         Supply voltage         20 - 240           Stocking temperature         40 + 70° C         Supply voltage         20 - 240           Operating temperature         40 + 70° C         Supply voltage         20 - 240           Operating temperature         40 + 70° C         Supply voltage         10 + 20 + 20           Operating temperature         4 + 40 + 70° C         Porver         Prover           Body         PA6 "Halogen Free" loaded fibreglass         Driver failure rate         F10 = 100.000h Tq25°C/50.000h Tq40°C           Shield type         Tempered glass Thickness 4mm         Operating temperature         F10 = 100.000h Tq2	Application	Internal		9500 (900 Em.)
Type of light source         LED         Colour Rendering Index         CRI>80           System power         64 W (+5W Emerg.)         Standard Deviation Colour Matching         SDCM = 3           LED Lifetime         L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h         Photobiological Risk Class         RG0           Weight (kg)         5         Standard         EN 60598-2-22; EN 60598-1; EN 60598-2-22           Warranty         5 years         Stocking temperature         40 + 70°C         Supply voltage         20 - 240 V           Operating temperature         40 + 40°C         Rated frequency (Hz)         50660 Hz           MATERIALS         Driver an entire real control of the part of	Unique digital code (Datamatrix)	Datamatrix	Efficacy	148
System 64 W (+5W Emerg.) power  LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h  Weight (kg) 5 Standard Deviation Colour Matching RG0  Warranty 5 Syears ELETRICAL AND LIGHTING FEATURES 5 Coperating temperature 4.0 +70 °C Operating temperature 0 +40 +70 °C Operating temperature 0 +40 +40 °C Operating temperature 0 +40 **C Operating te	Colour	Grey RAL 7035	Colour temperature	3000 K
power LED Lifetime         L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h         Photobiological Risk Class         RG0           Weight (kg)         5         Standard         EN 60598-2-22; EN 60598-1; EN 60598-2-24           Warranty         5 years Stocking temperature         40 +70 °C 0 Perating temperature         Supply voltage         220 - 240 V 220 - 240 V 220 - 240 V 240 V 2	Type of light source	LED		CRI>80
LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h Weight (kg)  5 Standard  EN 60598-2-22; EN 60598-1; EN 60598-2-22; EN 60598-1; EN 60598-2-24 (PN 60598-2-24) Stocking temperature 40 +70 °C Operating temperature AMATERIALS  Place (Frequency (Hz) Optic (Predictor and PMMA lenses Ammonotor (Predictor and PMMA lenses (Predictor (Predicto	System	64 W (+5W Emerg.)	Standard Deviation Colour Matching	SDCM = 3
Marranty	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature 40+70 °C Operating temperature 0 ÷ 40 °C Opriver operating temperature 0 ÷ 40 °C Opriver operating temperature 0 ÷ 40 °C Opriver operation 0 included operation 0	Weight (kg)	5	Standard	
Operating temperature 0 + +40 °C Rated frequency (Hz) 50/60 Hz  MATERIALS - Driver Included Body PA6 "Halogen Free" loaded fibreglass Shield type Tempered glass Thickness 4mm Optic Metallic PC reflector and PMMA lenses Gasket anti-aging silicone Locking Hook Stainless steel Colour Grey RAL 7035 STANDARDS AND APPROVALS - Fixing Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Wiring With GW connect watertight connector STANDARDS and a surface temperature DIN 18032-3 certification Available (under certain installation conditions)  IPEA Available (under certain installation conditions)  IPGere 1965 - Metallic PC reflector and PMMA lenses Control System 1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h)  Mounting and installation Ceiling light - Suspension Wiring With GW connect watertight connector Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing With GW connect watertight connector STANDARDS and Approvals Control gear replaceability By professional Driver Box Control gear replaceability By professional Driver Box Suilt-in Conditions)  IPEA Available (under certain installation conditions)  IPEA - Maximum surface exposed to the wind O,140 m²  Insulation class I F65 - Maximum surface exposed to the wind - Gold of the wind Conditions of Conditions IK08 - Gold of the wind Conditions of	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
MATERIALS         -         Driver         Included           Body         PA6 "Halogen Free" loaded fibreglass Shield type         Driver failure rate         F10 = 100.000h Tq25°C/50.000h Tq40°C           Shield type         Tempered glass Thickness 4mm         Overvoltage protection         DM 6 kV / CM 10 kV           Optic         Metallic PC reflector and PMMA lenses         Control System         1 x DALI DT6 + 1 x DALI DT1 (Emerg 3h)           Gasket         anti-aging silicone         INSTALLATION AND MAINTENANCE         -           Locking Hook         -         Mounting and installation         Ceiling light - Suspension           External screw         Stainless steel         Tilt         -           Colour         Grey RAL 7035         Wiring         With GW connect watertight connector           STANDARDS AND APPROVALS         -         Fixing         -           Classification         -         Light souce replaceability         By professional           Device with reduced surface temperature         Yes         Controlgear replaceability         By professional           DIN 18032-3 certification         Available (under certain installation conditions)         Driver Box         Built-in           IPEA         -         Maximum surface exposed to the wind         0,140 m²           IP degree <td>Stocking temperature</td> <td>-40 +70 °C</td> <td>Supply voltage</td> <td>220 - 240 V</td>	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Body PA6 "Halogen Free" loaded fibreglass Shiek dtype Tempered glass Thickness 4mm Optic Metallic PC reflector and PMMA lenses Gasket anti-aging silicone Locking Hook Stainless steel Colour Stainless steel Colour Grey RAL 7035 STANDARDS AND APPROVALS Fixed with reduced surface temperature Device with reduced surface temperature Din 18032-3 certification Available (under certain installation conditions)  IPEA Available (under certain installation class I Pf degree Installation Insta	Operating temperature	0 ÷ +40 °C	Rated frequency (Hz)	50/60 Hz
Shield type Tempered glass Thickness 4mm Optic Metallic PC reflector and PMMA lenses Gasket anti-aging silicone External screw Stainless steel Colour Grey RAL 7035 Stainless Steel Classification Faxour Stainless Steel Classification Available (under certain installation conditions)  IPEA Available (under certain installation Capea PM Stainless Steel Classification Steel Capea PM Stainless Steel Classification Steel Control System 1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h) INSTALLATION AND MAINTENANCE STALLATION AND MAINTENANCE STAL	MATERIALS	-	Driver	Included
Optic     Metallic PC reflector and PMMA lenses Gasket     Control System     1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h)       Locking Hook     -     Mounting and installation     Ceiling light - Suspension       External screw     Stainless steel     Tilt     -       Colour     Grey RAL 7035     Wiring     With GW connect watertight connector       STANDARDS AND APPROVALS     -     Fixing     -       Classification     -     Light souce replaceability     By professional       Device with reduced surface temperature     Yes     Controlgear replaceability     By professional       DIN 18032-3 certification     Available (under certain installation conditions)     Driver Box     Built-in       IPEA     -     Maximum surface exposed to the wind     0,140 m²       Insulation class     1     -       IP degree     IP65     -       Mechanical resistance     IK08     -	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	
Gasket anti-aging silicone Locking Hook - Mounting and installation Ceiling light - Suspension External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing With reduced surface temperature Conditions)  Device with reduced surface temperature PEAA vailable (under certain installation conditions)  DEAA - Maximum surface exposed to the wind Conditions  INSTALLATION AND MAINTENANCE - Mounting and installation Ceiling light - Suspension Period Ceili	Shield type	Tempered glass Thickness 4mm	Overvoltage protection	DM 6 kV / CM 10 kV
Locking Hook - Mounting and installation Ceiling light - Suspension External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional Device with reduced surface temperature Yes Controlgear replaceability By professional DIN 18032-3 certification Available (under certain installation conditions)  IPEA - Available (under certain installation conditions)  IPEA - Maximum surface exposed to the wind 0,140 m²  IP degree IP65 - Light Succertain installation conditions IP66 - Light Succertain IP65 - Light S	Optic	Metallic PC reflector and PMMA lenses		1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h)
External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional DIN 18032-3 certification Available (under certain installation conditions)  IPEA - PAGEN - Maximum surface exposed to the wind O,140 m² Insulation class I IP65 - Mechanical resistance IK08 - IK08	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional Device with reduced surface temperature Yes Controlgear replaceability By professional DIN 18032-3 certification Available (under certain installation conditions)  IPEA - Maximum surface exposed to the wind 0,140 m² Insulation class I I IP65 - Mechanical resistance IK08 - IK08	Locking Hook	-	Mounting and installation	Ceiling light - Suspension
STANDARDS AND APPROVALS       - Fixing       - Classification       - Light souce replaceability       By professional         Device with reduced surface temperature       Yes       Controlgear replaceability       By professional         DIN 18032-3 certification       Available (under certain installation conditions)       Driver Box       Built-in         IPEA       - Maximum surface exposed to the wind       0,140 m²         Insulation class       1       -         IP degree       IP65       -         Mechanical resistance       IK08       -	External screw	Stainless steel	Tilt	-
Classification     -     Light souce replaceability     By professional       Device with reduced surface temperature     Yes     Controlgear replaceability     By professional       DIN 18032-3 certification     Available (under certain installation conditions)     Driver Box     Built-in       IPEA     -     Maximum surface exposed to the wind     0,140 m²       Insulation class     I     -       IP degree     IP65     -       Mechanical resistance     IK08     -	Colour	Grey RAL 7035	Wiring	With GW connect watertight connector
Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions)  IPEA Insulation class IP65 Mechanical resistance  Controlgear replaceability Driver Box Driver Box Maximum surface exposed to the wind O,140 m² Insulation class IP65 Mechanical resistance IR08  Controlgear replaceability Driver Box Maximum surface exposed to the wind O,140 m² Insulation class IR08  Controlgear replaceability Driver Box Maximum surface exposed to the wind O,140 m² Insulation class IR08  Controlgear replaceability Driver Box IR08  Maximum surface exposed to the wind O,140 m² Insulation class IR08  Controlgear replaceability Driver Box IR08	STANDARDS AND APPROVALS	-	Fixing	-
DIN 18032-3 certification Available (under certain installation conditions)  IPEA Insulation class IP65 Mechanical resistance  Available (under certain installation conditions) Driver Box  Maximum surface exposed to the wind 0,140 m²	Classification	-	Light souce replaceability	By professional
conditions)           IPEA         -         Maximum surface exposed to the wind         0,140 m²           Insulation class         I         -           IP degree         IP65         -           Mechanical resistance         IK08         -	Device with reduced surface temperature	Yes	Controlgear replaceability	By professional
Insulation class         I         -           IP degree         IP65         -           Mechanical resistance         IK08         -	DIN 18032-3 certification		Driver Box	Built-in
IP degree         IP65         -           Mechanical resistance         IK08         -	IPEA	-	Maximum surface exposed to the wind	0,140 m²
Mechanical resistance IK08 -	Insulation class	1		-
	IP degree	IP65		-
Glow Wire Test 850 °C -	Mechanical resistance	IK08		
	Glow Wire Test	850 °C		<u>-</u>

## **DIMENSIONAL**

# 989

## PHOTOMETRIC DISTRIBUTION



## **TECHNICAL SYMBOLOGY**















IΡ

IP65

IK IK IK **GWT** 850 °C



STANDARDS/APPROVALS

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