## Product Data Sheet GWS4124BF857

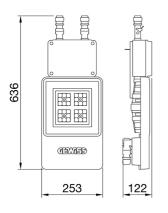
SMART [4]



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     LED Industrial Reflector     Unified Glare Rating     UGR ≤ 22       Application     Internal     Lumen     9800 (950 Em       Unique digital code (Datamatrix)     Datamatrix     Efficacy     15:       Unique digital code (Datamatrix)     Datamatrix     Efficacy     15:       Colour     Grey RAL 7035     Colour Rendering Index     CRI>8       System     64 W (+5W Emerg.)     Standard Deviation Colour Matching     SDCM =       power     LED Lifetime     L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h     Photobiological Risk Class     RGi       Weight (kg)     5 years     Standard     ELETRICAL AND LIGHTING FEATURES     60598-2-22; EN 60598-1; EF       Varranty     5 years     Standard     EN 60598-2-22; EN 60598-1; EF     60598-2-22; EN 60598-1; EF       Stocking temperature     -40 +70 °C     Supply voltage     220 - 240 N       Operating temperature     0++40 °C     Rated frequency (Hz)     50/60 H       Shield type     Tempered glass Thickness 4mm     Oriver failure rate     F10 = 100.000h Tq25°C/50.000h Tq40°C       Shield type     Tempered glass Thickness steel     Tit     Mounting and installation     Celling light - Suspension       Lock	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Application     Internal     Lumen     9800 (950 Em       Unique digital code (Datamatrix)     Datamatrix     Efficacy     15:       Colour     Grey RAL 7035     Colour Rendering Index     CRPs       System     64 W (+5W Emerg.)     Standard Deviation Colour Matching     SDCM =       power     LED Lifetime     L90B10(Tq25°C)>150.000h; L90B10     Photobiological Risk Class     RG       Weight (kg)     5     Standard     En 60598-2-22; EN 60598-1; En 60598-2-22; E	Context		Optic	30°
Unique digital code (Datamatrix)     Datamatrix     Efficacy (imW)     153       Colour     Grey RAL 7035     Colour temperature     57001       Type of light source     LED     Colour temperature     57001       System     64 W (+5W Emerg.)     Standard Deviation Colour Matching     SDCM =       power     LED Lifetime     L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h     Photobiological Risk Class     RG       Weight (kg)     5     Standard     ELETRICAL AND LIGHTING FEATURES     80598-2-22; EN 60598-1; EF       Warranty     5 years     ELETRICAL AND LIGHTING FEATURES     80598-2-22; EN 60598-1; EF       Stocking temperature     -0 + r40 °C     Standard     EN 60598-2-22; EN 60598-1; EF       Operating temperature     -0 + r40 °C     Supply voltage     220 - 240 °       Operating temperature     -0 + r40 °C     Supply voltage     220 - 240 °       Body     PA6 "Halogen Free" loaded fibreglass     Driver failure rate     F10 = 100.000h Tq25°C/50.000h Tq40°C       Sheld type     Tempered glass Thickness 4mm     Overvoltage protection     DM 6 K/ / CM 10 k       Golar     Grey RAL 7035     Wiring     Nouting and installation     Celling light- Suspension       Colour </td <td>Luminaire</td> <td>LED Industrial Reflector</td> <td>Unified Glare Rating</td> <td>UGR ≤ 22</td>	Luminaire	LED Industrial Reflector	Unified Glare Rating	UGR ≤ 22
Colour   Grey RAL 7035   Colour temperature   570 I     Type of light source   LED   Colour Rendering Index   CRI-8-3     System   64 W (+5W Emerg.)   Standard Deviation Colour Matching   SDCM =     power   LED Lifetime   L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h   Photobiological Risk Class   RGi     Weight (kg)   5   Standard   EN 60598-2-22; EN 60598-1; EF   60598-2-22; EN 60598-1; EF     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   60598-2-22; EN 60598-22; EN 60598     Sheid type   Tempered gl	Application	Internal		9800 (950 Em.)
Type of light source     LED     Colour Rendering Index     CRI>8       System     64 W (+5W Emerg.)     Standard Deviation Colour Matching     SDCM =       power     LED Lifetime     L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h     Photobiological Risk Class     RGi       Weight (kg)     5 years     ELETRICAL AND LIGHTING FEATURES     RGi       Stocking temperature     -40 +70 °C     Supply voltage     220 - 240 °C       Operating temperature     0 + +40 °C     Rated frequency (Hz)     50/60 H       Shield type     Tempered glass Thickness 4mm     Overvoltage protection     DM 6 kV / CM 10 kV       Optic     Metallic PC reflector and PMIMA lenses     Control System     1 x DALI DT 6 + 1 x DALI DT 1 (Emerg. 3h       Gasket     anti-aging silicone     Tit     Colour Rendering and installation     Ceiling light - Suspension       External screw     Stainless steel     Tit     Colour Rendering and installation     Ceiling light - Suspension       Classification     -     Light souce replaceability     By professiona       Device with reduced surface temperature     Yes     Control gear replaceability     By professiona       Diver Gaustincation     -     Driver Box     Builiti     By p	Unique digital code (Datamatrix)	Datamatrix		153
System     64 W (+5W Emerg.)     Standard Deviation Colour Matching     SDCM =       power     LED Lifetime     L90B10(Tq25°C)>150.000h; L90B10     Photobiological Risk Class     RG       Weight (kg)     5     Standard     EN 60598-2-22; EN 60598-1; EF 60598-2-22       Warranty     5 years     ELETRICAL AND LIGHTING FEATURES       Stocking temperature     -40 +70 °C     Supply voltage     220 - 240 N       Operating temperature     0 + +40 °C     Rated frequency (Hz)     50/60 H       Body     PA6 "Halogen Free" loaded fibreglass     Driver     Includer       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     Colour     Celling light - Suspension       Colour     Grey RAL 703     Wiring     With GW connect watertight connector     Bu professiona       Device with reduced surface temperature     Yes     Control System     By professiona       Device with reduced surface temperature     Yes     Control gear replaceability     By professiona       Device	Colour	Grey RAL 7035	Colour temperature	5700 K
power   non-state     LED Lifetime   L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h   Photobiological Risk Class   RG     Weight (kg)   5   Standard   EN 60598-2-22; EN 60598-1; EF 60598-2-22     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES     Stocking temperature   -40 +70°C   Supply voltage   220 - 240 N     Operating temperature   0 + 440°C   Rated frequency (Hz)   50/60 H     MATERIALS   Driver   Includer     Body   PA6 "Halogen Free" loaded fibreglass   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   Mounting and installation     Colour   Grey RAL 7035   Fixing   Elerking     Colour   Grey RAL 7035   Fixing   By professione     Device with reduced surface temperature   Yes   Controlger replaceability   By professione     Divier Box   Ilght souce replaceability   By professione   Bult-in     IPEA   Ontriver Box   Bult-in   Ilght souce replaceability   Bult-in <	Type of light source	LED	Colour Rendering Index	CRI>80
(Tq40°C)=140.000h     Weight (kg)     5     Standard     EN 60598-2-22 ; EN 60598-1 ; Ef 60598-2-22 ; EN 60598-2-20 ; EN 60598-2-20 ; EN 60598-2-20 ; EN 60598-20 ; EN 60598-20029; EN 60598-200200; EN 60598-200200; EN 60598-200200; EN 605		64 W (+5W Emerg.)	Standard Deviation Colour Matching	SDCM = 3
Weight (kg)     5     Standard     EN 60598-2-22; EN 60598-1; EN 60598-2-22; EN 60598-12; EN 60598-2-22; EN 60598-22; EN 60598-20; EN 60598-2	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature     -40 +70 °C     Supply voltage     220 - 240 V       Operating temperature     0 + 40 °C     Rated frequency (Hz)     50/60 H       MATERIALS     -     Driver     Includer       Body     PA6 "Halogen Free" loaded fibreglass     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 k       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     Mounting and installation     Ceiling light - Suspension       External screw     Stainless steel     Tilt     Tilt     Tilt     Tilt       Classification     -     Light souce replaceability     By professiona       Device with reduced surface temperature     Yes     Controlgear replaceability     By professiona       DIN 18032-3 certification     -     Driver Box     Built-i       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     IPedgree     IP65     Maximum surface exposed to the wind	Weight (kg)		Standard	EN 60598-2-22 ; EN 60598-1 ; EN 60598-2-24
Operating temperature     0 + +40 °C     Rated frequency (Hz)     50/60 H       MATERIALS     Driver     Includes       Body     PA6 "Halogen Free" loaded fibreglass     Driver failure rate     F10 = 100.00h Tq25°C/50.00h Tq40°C       Shield type     Tempered glass Thickness 4mm     Overvoltage protection     1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h       Gasket     anti-aging silicone     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       Stainless steel     Tilt     External screw       Classification     -     Light souce replaceability     By professional       Device with reduced surface temperature     Yes     Controlgear replaceability     By professional       DIN 18032-3 certification     -     Driver Box     Built-ii       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     IPedgree     IP65	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	
MATERIALS     -     Driver     Included       Body     PA6 "Halogen Free" loaded fibreglass     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     INSTALLATION AND MAINTENANCE       Locking Hook     -     Mounting and installation     Ceiling light - Suspension       External screw     Stainless steel     Tilt     Classification     Fixing       Classification     -     Light souce replaceability     By professiona       Device with reduced surface temperature     Yes     Control gear replaceability     By professiona       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     IP65     IP65	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Body     PA6 "Halogen Free" loaded fibreglass     Driver failure rate     F10 = 100.00h Tq25°C/50.00h 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 silicon     INSTALLATION AND MAINTENANCE     Ceiling light - Suspension       Locking Hook     Tilt     Ceiling light - Suspension       Colour     Grey RAL 7035     Tilt       Classification     -     Ising       Device with reduced surface temperature     Yes     Controlgear replaceability     By professional       DIN 18032-3 certification     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     Halice exposed to the wind     0,140 m	Operating temperature	0 ÷ +40 °C	Rated frequency (Hz)	50/60 Hz
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     Mounting and installation     Ceiling light - Suspension       Locking Hook     -     Mounting and installation     Ceiling light - Suspension       External screw     Stainless steel     Tilt     Classification     Fixing       Classification     -     Light souce replaceability     By professional       Device with reduced surface temperature     Yes     Control gear replaceability     By professional       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     IP65     IP65	MATERIALS	-	Driver	Included
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     Ceiling light - Suspension       STANDARDS AND APPROVALS     -     Fixing     Fixing       Classification     -     Light souce replaceability     By professional       Device with reduced surface temperature     Yes     Control gear replaceability     By professional       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     IP65     IP65	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq40°C
Gasket     anti-aging silicone     INSTALLATION AND MAINTENANCE       Locking Hook     -     Mounting and installation     Ceiling light - Suspension       External screw     Stainless steel     Tit     Tit       Colour     Grey RAL 7035     Wirning     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       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     I     I       IP degree     IP65     I     I	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     Tilt       Colour     Grey RAL 7035     Wiring     With GW connect watertight connecto       STANDARDS AND APPROVALS     -     Fixing     Classification       Classification     -     Light souce replaceability     By professiona       Device with reduced surface temperature     Yes     Controlgear replaceability     By professiona       DIN 18032-3 certification     -     Driver Box     Built-in       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     IP65     IP65	Optic	Metallic PC reflector and PMMA lenses	Control System	1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h)
External screw   Stainless steel   Tilt     Colour   Grey RAL 7035   Wiring   With GW connect watertight connecto     STANDARDS AND APPROVALS   -   Fixing     Classification   -   Light souce replaceability   By professiona     Device with reduced surface temperature   Yes   Controlgear replaceability   By professiona     DIN 18032-3 certification   -   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,140 m     Insulation class   I   IP65   Integration	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   -   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,140 mm     Insulation class   I   I	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     -     Driver Box     Built-in       IPEA     -     Maximum surface exposed to the wind     0,140 m       Insulation class     I     IP65     IP65	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   -   Driver Box   Built-ii     IPEA   -   Maximum surface exposed to the wind   0,140 m     Insulation class   I   I	Colour	Grey RAL 7035	Wiring	With GW connect watertight connector
Device with reduced surface temperature   Yes   Controlgear replaceability   By professional     DIN 18032-3 certification   -   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,140 m     Insulation class   I     IP degree   IP65	STANDARDS AND APPROVALS	-	Fixing	-
DIN 18032-3 certification   -   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,140 m     Insulation class   I     IP degree   IP65	Classification	-	Light souce replaceability	By professional
IPEA   -   Maximum surface exposed to the wind   0,140 m     Insulation class   I     IP degree   IP65	Device with reduced surface temperature	Yes	Controlgear replaceability	By professional
Insulation class I IP degree IP65	DIN 18032-3 certification	-	Driver Box	Built-in
IP degree IP65		-	Maximum surface exposed to the wind	0,140 m²
	Insulation class	I		-
Mechanical resistance IK08	IP degree	IP65		-
	Mechanical resistance	IK08		-
Glow Wire Test 850 °C	Glow Wire Test	850 °C		-

## DIMENSIONAL



## **TECHNICAL SYMBOLOGY**

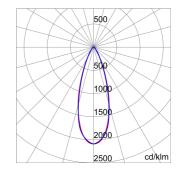








Data, measures, designs and pictures are for information purpose only, last update 20/04/2023. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 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



PHOTOMETRIC DISTRIBUTION

Product Data Sheet GWS4124BF857

SMART [4]

## STANDARDS/APPROVALS



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. - 2 of 2