

## Product Data Sheet GWS4123BA857

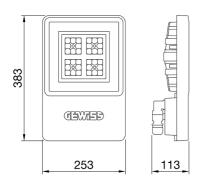
SMART [4]



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).

Context     Logistics and industrial manufacturing lighting     Optic     Array       Luminaire     LED Industrial Reflector     Unified Glare Rating     -       Application     Internal     Lumen output (Im)     9900       Unique digital code (Datamatrix)     Datamatrix     Efficacy (ImW)     155       Colour     Grey RAL 7035     Colour temperature     5700 K K (ImW)       Type of light source     LED     Colour Colour Rendering Index     CRI>80       System power     64 W     Standard Deviation Colour Matching     SDCM = 3       LED Lifetime     L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h     Photobiological Risk Class     R60       Warranty     5 years     ELETRICAL AND LIGHTING FEATURES     -       Stocking temperature     -30°C + 40° C     Supply voltage     220 - 240 V       Operating temperature     -30°C + 40° C     Red fluerguency (Hz)     50/60 Hz       MatTERIAS     -     Oriver     Included       Shield type     Tempered glass Thickness 4mm     Overvoltage protection     DM kV / CM 10 kV /	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Application   Internal   Lumen output (lm)   9900     Unique digital code (Datamatrix)   Datamatrix   Efficacy   155     Colour   Grey RAL 7035   Colour Rendering Index   CRI>80     System power   LED   Colour Rendering Index   CRI>80     LED Lifetime   L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h   Photobiological Risk Class   RG0     Weight (kg)   3.5   Standard   ELETRICAL AND LIGHTING FEATURES   -     Varranty   5 years   ELETRICAL AND LIGHTING FEATURES   -   -     Stocking temperature   -30°C + 50°C   Supply voltage   220 - 240 V   -     Operating temperature   -30°C + 50°C   Supply voltage   220 - 240 V   -     MatTERIALS   Driver   Tempered glass Thickness 4mm   Overvoltage protection   DM 6 kV / CM 10 kV   -     Optic   Metalized polycarbonate reflector   Mouting and installation   Celing - Wailmounting - Supension   -   -     External screw   Stainless steel   Tit   With Bracket accessory   -   -     Colour   Grey RAL 7035   Wring   Wring   With GW connect watring th connect w	Context		Optic	Array
Application   Internal   Lumen output (lm)   9900     Unique digital code (Datamatrix)   Datamatrix   Efficacy   155     Colour   Grey RAL 7035   Colour Rendering Index   CRI>80     System power   LED   Colour Rendering Index   CRI>80     LED Lifetime   L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h   Photobiological Risk Class   RG0     Weight (kg)   3.5   Standard   ELETRICAL AND LIGHTING FEATURES   -     Varranty   5 years   ELETRICAL AND LIGHTING FEATURES   -   -     Stocking temperature   -30°C + 50°C   Supply voltage   220 - 240 V   -     Operating temperature   -30°C + 50°C   Supply voltage   220 - 240 V   -     MatTERIALS   Driver   Tempered glass Thickness 4mm   Overvoltage protection   DM 6 kV / CM 10 kV   -     Optic   Metalized polycarbonate reflector   Mouting and installation   Celing - Wailmounting - Supension   -   -     External screw   Stainless steel   Tit   With Bracket accessory   -   -     Colour   Grey RAL 7035   Wring   Wring   With GW connect watring th connect w	Luminaire	LED Industrial Reflector	Unified Glare Rating	
Colour   Grey RAL 7035   Colour temperature   5700 K     Type of light source   LED   Colour Rendering Index   CRI>80     System power   64 W   Standard Deviation Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h   Photobiological Risk Class   RG0     Weight (kg)   3.5   Standard   EN 60598-1; EN 60598-2-1; EN 60598-2-24   60598-2-24     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -30°C + +50 °C   Rated frequency (Hz)   5000h Hz     MATERIALS   -30°C + +50 °C   Rated frequency (Hz)   5000h Hz     Body   PA6 "Halogen Free" loaded fibreglass   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Shield type   Tempered glass Thickness teel   Overvoltage protection   DM 64 V/ CM 10 kV     Optic   Metallized polycarbonate reflector   Control System   1 x DALI DT6     Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Colour   Grey RAL 703   Wiring   With GW connect watertight connector     Colour   Grey RAL 703   Wiring   With GW connect watert	Application	Internal		9900
Colour   Grey RAL 7035   Colour temperature   5700 K     Type of light source   LED   Colour remperature   6700 K     System power   64 W   Standard Deviation Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h   Photobiological Risk Class   RG0     Weight (kg)   3.5   Standard   ELETRICAL AND LIGHTING FEATURES   -     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -30°C + +50 °C   Rated frequency (Hz)   50/60 Hz     MATERIALS   -   Driver   Included     Body   PA6 "Halogen Free" loaded fbreqlass   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq25°C/50	Unique digital code (Datamatrix)	Datamatrix	Efficacy	155
Type of light sourceLEDColour Rendering IndexCRI>80System power64 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)>150.000h;Photobiological Risk ClassRG0Weight (kg)3.5Standard Deviation Colour MatchingSDCM = 3Warranty5 yearsStandard Deviation Colour Matching FEATURES-Stocking temperature-40 +70 °CSupply voltage220 - 240 VOperating temperature-30°C + +50 °CRated frequency (Hz)50/60 HzBodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10 = 100.000h Tq25°C/50.000h Tq50°CShield typeTempered glass Thickness 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticMetallized polycarbonate reflectorControl System1 x DALI DT6Gasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook-Fixing-CloaurGrey RAL 7035WiringWith GW connect wateright connect			(Im/W)	
System power   64 W   Standard Deviation Colour Matching   SDCM = 3     LED Lifetime   L90B10(Tq25°C)>150.000h; L90B10   Photobiological Risk Class   RG0     Weight (kg)   3.5   Standard   EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-224     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -40 +70 °C   Supply voltage   220 - 240 V     Operating temperature   -30°C + +50°C   Rated frequency (Hz)   50/60 Hz     MATERIALS   -   Driver   Included     Shield type   Tempered glass   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Shield type   Tempered glass   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Optic   Metallized polycarbonate reflector   Control System   1 x DALI OF     Coking Hook   -   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With bracket accessory   Colour     Clocur   Grey RAL 7035   Wing   With GW connect watertight connect or   -     Standard   Light souce replaceability   By profes	Colour	Grey RAL 7035	Colour temperature	5700 K
LÉD Lifetime   L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.00h   Photobiological Risk Class   RG0     Weight (kg)   3.5   Standard   EN 60598-1; EN 60598-2-1; EN 60598-2-24     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -40 +70 °C   Supply voltage   220 - 240 V     Operating temperature   -30°C + +50 °C   Rated frequency (Hz)   50/60 Hz     MATERIALS   Driver   Included     Body   PA6 "Halogen Free" loaded fibreglass   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Shield type   Tempered glass Thickness 4mm   Overvoltage protection   DM 6 kV / CM V     Optic   Metallized polycarbonate reflector   Control System   1 x DALI DT6     Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   Orer Greg RAL 7035   Wiring   With GW connect watertight connector     Standsrace temperature   Yeag   Control System   -     Cloaur   Greg RAL 7035   Wiring   With GW connect watertight connector     Standsrace temperature   Yeag   Fixing   -     Classification   Avail	Type of light source	LED	Colour Rendering Index	CRI>80
Weight (kg)   3.5   Standard   EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24     Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -40 +70 °C   Supply voltage   220 - 240 V     Operating temperature   -30°C + 50 °C   Rated frequency (Hz)   50/60 Hz     MATERIALS   Driver   Included     Shield type   PA6 "Halogen Free" loaded fibreglass   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq50°C     Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With bracket accessory     Colour   Grey RAL 7035   Wiring   With GW connect waterfight connector     DIN 18032-3 certification   Available (under certain installation conditions)   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,097 m²	System power	64 W	Standard Deviation Colour Matching	SDCM = 3
Warranty   5 years   ELETRICAL AND LIGHTING FEATURES   -     Stocking temperature   -40 +70 °C   Supply voltage   220 - 240 V     Operating temperature   -30°C + +50 °C   Rated frequency (Hz)   50/60 Hz     MATERIALS   -   Driver   Included     Body   PA6 "Halogen Free" loaded fibreglass   Driver   Shield type   Tempered glass Thickness 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Metallized polycarbonate reflector   Control System   1 x DALI DT6     Locking Hook   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With BW connector waterfight connector     Colour   Grey RAL 7035   Wiring   With BW connector waterfight connector     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Control gear replaceability   By infessional     Device with reduced surface temperature   Yes   Control gear replaceability   By infessional     Device with reduced surface temperature   Yes   Control gear replaceability   By infessional     <	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature   -40 +70 °C   Supply voltage   220 - 240 V     Operating temperature   -30°C + +50 °C   Rated frequency (Hz)   50/60 Hz     MATERIALS   -   Driver   Included     Body   PA6 "Halogen Free" loaded fibreglass   Driver failure rate   F10 = 100.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C/50.000h Tq25°C     Shield type   Tempered glass Thickness 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Metallized polycarbonate reflector   Control System   1 x DALI DT6     Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With bracket accessory     Colour   Grey RAL 7035   Wring   With GW connect watertjat connector     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Controlgear replaceability   Built-in     IPEA   -   Maximum surface exposed to the wind   0,097 m²     Insulation cla	Weight (kg)	3.5	Standard	
Operating temperature-30°C + +50 °CRated frequency (Hz)50/60 HzMATERIALSDriverIncludedBodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10 = 100.00h Tq25°C/50.00h Tq50°CShield typeTempered glass Thickness 4mmOvervoltage protectionDM kV / CM 10 kVOpticMetallized polycarbonate reflectorControl System1 x DALI DT6Gasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith Bracket accessoryColourGrey RAL 7035WiringWith GW connect watertight connectorClassification-Light souce replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxBullt-inIPEAMaximum surface exposed to the wind0,097 m²Insulation classI	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 Tq50°C     Shield type   Tempered glass Thickness 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Metallized polycarbonate reflector   Control System   1 x DALI DT6     Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With bracket accessory     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   Control gear replaceability   Built-in     IPEA   -   Maximum surface exposed to the wind   0,097 m²     Insulation class   1   -   -	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
BodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10 = 100.00h Tq25°C/50.000h Tq50°CShield typeTempered glass Thickness 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticMetallized polycarbonate reflectorControl System1 x DALI DT6Gasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControl gear replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation)Driver BoxBuilt-inIPEAMaximum surface exposed to the wind0,097 m²Insulation classI	Operating temperature	-30°C ÷ +50 °C	Rated frequency (Hz)	50/60 Hz
Shield type   Tempered glass Thickness 4mm   Overvoltage protection   DM 6 kV / CM 10 kV     Optic   Metallized polycarbonate reflector   Control System   1 x DALI DT6     Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With BW connect watertight connector     STANDARDS AND APPROVALS   -   Fixing   -     Classification   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Control gear replaceability   By professional     DIN 18032-3 certification   Available (under certain installation)   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,097 m²     Insulation class   I   I   -	MATERIALS	-	Driver	Included
Optic   Metallized polycarbonate reflector   Control System   1 x DALI DT6     Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With bracket accessory     Colour   Grey RAL 7035   Wiring   With GW connect watertight connector     STANDARDS AND APPROVALS   -   Light souce replaceability   By professional     Device with reduced surface temperature   Yes   Control gear replaceability   By professional     DIN 18032-3 certification   Available (under certain installation conditions)   Driver Box   Built-in     IPEA   -   Maximum surface exposed to the wind   0,097 m²     Insulation class   I   -   -	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq50°C
Gasket   anti-aging silicone   INSTALLATION AND MAINTENANCE   -     Locking Hook   -   Mounting and installation   Ceiling - Wallmounting - Suspension     External screw   Stainless steel   Tilt   With Bracket accessory     Colour   Gray RAL 7035   Wiring   With GW connect watright 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   Bullt-in     IPEA   -   Maximum surface exposed to the wind   0,097 m²     Insulation class   I   -   -	Shield type	Tempered glass Thickness 4mm	Overvoltage protection	DM 6 kV / CM 10 kV
Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith bracket accessoryColourGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControlgear replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,097 m²Insulation classI	Optic	Metallized polycarbonate reflector	Control System	1 x DALI DT6
External screwStainless steelTiltWith bracket accessoryColourGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControlgear replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,097 m²Insulation classI	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) Driver Box Built-in   IPEA - Maximum surface exposed to the wind 0,097 m²   Insulation class I - -	Locking Hook	-	Mounting and installation	Ceiling - Wallmounting - 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   0,097 m²     Insulation class   I   -	External screw	Stainless steel	Tilt	With bracket accessory
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 0,097 m²   Insulation class 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 Available (under certain installation conditions) Driver Box Built-in   IPEA - Maximum surface exposed to the wind 0,097 m²   Insulation class I - -	STANDARDS AND APPROVALS	-	Fixing	-
DIN 18032-3 certification Available (under certain installation conditions) Driver Box Built-in   IPEA - Maximum surface exposed to the wind 0,097 m <sup>2</sup> Insulation class I -	Classification	-	Light souce replaceability	By professional
conditions)     IPEA   -   Maximum surface exposed to the wind   0,097 m <sup>2</sup> Insulation class   I   -   -	Device with reduced surface temperature	Yes	Controlgear replaceability	By professional
Insulation class I -	DIN 18032-3 certification		Driver Box	Built-in
	IPEA	-	Maximum surface exposed to the wind	0,097 m²
IP degree IP66 -	Insulation class			-
	IP degree	IP66		
Mechanical resistance IK08 -	Mechanical resistance	IK08		
Glow Wire Test 850 ℃ -	Glow Wire Test	850 °C		-

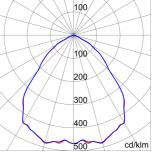
## DIMENSIONAL













Data, measures, designs and pictures are for information purpose only, last update 29/04/2024. 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



STANDARDS/APPROVALS



Product Data Sheet GWS4123BA857 SMART [4]