

Product Data Sheet GWS4120AQ830

SMART [4]

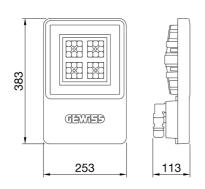


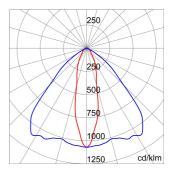
Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded 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 lighting Optic Elliptical lighting Luminaire LED Industrial Reflector Unified Glare Rating - Application Internal Unified Glare Rating - Unique digital code (Datamatrix) Datamatrix Efficacy (inn/W) 142 Colour Grey RAL 7035 Colour temperature 3000 K Xype of light source LED D. Golour Emperature 3000 K LED Lifetime L90B10(Tq25°C)>150,000h; L90B10 (Tq50°C)=100,000h Standard Deviation Colour Matching SDCKm = 3 Weight (kg) L90B10(Tq25°C)>150,000h; L90B10 (Tq50°C)=100,000h Standard Deviation Colour Matching SDCKm = 3 Warranty 5 years Standard Deviation Colour Matching SDCKm = 3 Stocking temperature 40 +70°C Supply voltage EN 60598-1; EN 60598-2+1; EN 60598-2+1; EN 60598-2+2; EN 60598-2+2; EN 60598-2+1; EN 60598-2+1; EN 60598-2+2; EN 60598-2+1; EN 60598-2	GENERAL INFORMATION		OPTIC AND ILLUMINATING FEATURES	-
Application Internal Datamatrix Lumen output (Im) 6800 Unique digital code (Datamatrix) Datamatrix Efficacy (Im/W) 142 Colour Grey RAL 7035 Colour temperature 3000 K Type of light source LED Colour Rendering Index CRI>80 System power LeD Lifetime L90B10(Tq25°C)>150.000n; L90B10 Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000n; L90B10 The hotobiological Risk Class RGO Weight (kg) Satindard ELETRICAL AND LIGHTING FEATURES RGO Wight (kg) System power Supply voltage 20 - 240 V Warranty Sating System Supply voltage 20 - 240 V Volumenture 40+07°C Supply voltage 20 - 240 V Operating temperature -30°C+50°C Rated frequency (Hz) 50/60 Hz Body PA6 "Halogen Free" loaded fibreglass Overvoltage protection F10=70.000h Tq25°C/35.000h Tq50°C Shield type Tempered glass Thickness 4mm Overvoltage protection F10=70.000h Tq25°C/35.000h Tq60°C External S	Context		Optic	Elliptical
Unique digital code (Datamatrix) Datamatrix (Im/W) Efficacy (Im/W) 142 Colour Grey RAL 7035 Colour temperature 3000 K Type of light source LED Colour Rendering Index CRI≥80 System power 48 W Standard evalution Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Photobiological Risk Class EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 Weight (kg) 5 years Standard EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years StelTRICAL AND LIGHTING FEATURES EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 Stocking temperature 40 +70 °C Supply voltage 220 - 240 V Operating temperature 30°C +50 °C Rated frequency (Hz) 5060 Hz Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type Metallic PC reflector and PMMA lenses Control System ONY OFF Gasket anti-aging silicone Vorvortuga per ratection With GW connect watertight connector Locking Hook 6 rey RAL 7035<	Luminaire	LED Industrial Reflector	Unified Glare Rating	-
Colour	Application	Internal	Lumen output (Im)	6800
Type of light source LED System power 48 W Standard Deviation Colour Matching CRI>80 System power L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Photobiological Risk Class RG0 Weight (kg) 3.5 Standard Deviation Colour Matching EN 60598-1; EN 60598-2; EN 6059	Unique digital code (Datamatrix)	Datamatrix		142
System power 48 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 Photobiological Risk Class RC0 Weight (kg) 3.5 Standard EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 V 60598-2-24 V 60598-2-24 V 70 C 70	Colour	Grey RAL 7035	Colour temperature	3000 K
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 60598-2-1; 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) 5060 Hz MATERIALS PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.00h Tq50°C Shield type PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.00h Tq50°C Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6kV / CM 6kV Optic Metallic PC reflector and PMMA lenses Control System ON / OFF Gasket antit-aging silicone INSTALLATION AND MAINTENANCE — Locking Hook Tit With GW connect watertight connector STANDARDS AND APPROVALS Tit Wiring With GW connect watertight connector STANDARDS AND APPROVALS Fixing — Classification Available (under certain installation conditions) Control gear replaceability By professional DIN 18032-3 certification Available (under certain installation conditions)	Type of light source	LED	Colour Rendering Index	CRI>80
Weight (kg) Sabararanty Stocking temperature Operating temperature Au +70 °C Operating temperature Driver Driver Driver Driver Driver failure rate Overvoltage protection Overv	System power	48 W	Standard Deviation Colour Matching	SDCM = 3
Warranty 5 years ELETRICAL AND LIGHTING FEATURES 2-24 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=70.000h Tq25 °C/35.000h Tq50 °C Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6kV / CM 6kV Optic Metallic PC reflector and PMMA lenses Control System ON / OFF Gasket anti-aging silicone INSTALLATION AND MAINTENANCE ON / OFF Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt Wiring With GW connect watertight connector Classification - Grey RAL 7035 Wiring 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	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature40 +70 °CSupply voltage220 - 240 VOperating temperature-30°C ÷ +50 °CRated frequency (Hz)50/60 HzMATERIALSPA6 "Halogen Free" loaded fibreglassDriverIncludedBodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10=70.000h Tq25°C/35.000h Tq50°CShield typeTempered glass Thickness 4mmOvervoltage protectionDM 6kV / CM 6kVOpticMetallic PC reflector and PMMA lensesControl SystemON / OFFGasketanti-aging siliconeINSTALLATION AND MAINTENANCETiltLocking HookStainless steelWounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelWiringWith GW connect watertight connectorSTANDARDS AND APPROVALSFixingWith GW connect watertight connectorClassificationGrey RAL 7035WiringWith GW connect watertight connectorDevice with reduced surface temperatureYesLight souce replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Oriver BoxBuilt-inIPEAAvailable (under certain installation conditions)Driver BoxBuilt-inIPEAAvailable (under certain installation conditions)Available (under certain installation conditions)Driver BoxBuilt-inIPEGepeeIPG6Maximum surface exposed to the wind0,097 m²Hechanical resistanceIK08	Weight (kg)	3.5	Standard	
Operating temperature-30°C ÷ +50 °CRated frequency (Hz)50/60 HzMATERIALS-DriverIncludedBodyPA6 "Halogen Free" loaded fibreglass Shield typeDriver failure rateF10=70.000h Tq25°C/35.000h Tq50°CShield typeTempered glass Thickness 4mm OpticOvervoltage protectionDM 6kV CM 6kVOpticMetallic PC reflector and PMMA lenses GasketControl SystemON / OFFGasketanti-aging silicone Locking HookINSTALLATION AND MAINTENANCECeiling - Wallmounting - SuspensionExternal screwStainless steel Grey RAL 7035TiltWith GW connect watertight connectorColourGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALSFixingBy professionalClassificationGrey RAL 7035Control gear replaceabilityBy professionalDevice with reduced surface temperatureYes DIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxTiver BoxIPEAAvailable (under certain installation conditions)Driver BoxBuilt-inIPEAMaximum surface exposed to the wind0,097 m²IP degreeIP66Maximum surface exposed to the wind0,097 m²Mechanical resistanceIK08-	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
MATERIALS Driver Included Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6kV / CM 6kV Optic Metallic PC reflector and PMMA lenses Control System ON / OFF Gasket anti-aging silicone INSTALLATION AND MAINTENANCE ON / OFF Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional DIN 18032-3 certification Available (under certain installation conditions) Control gear replaceability Built-in IPEA - Maximum surface exposed to the wind 0,097 m² Insulation class 1 Maximum surface exposed to the wind 0,097 m² Mechanical resistance IK08 - -	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Body PA6 "Halogen Free" loaded fibreglass Shield type Tempered glass Thickness 4mm Optic Metallic PC reflector and PMMA lenses Gasket anti-aging sillore Locking Hook 5 Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Closur Grey RAL 7035 STANDARDS AND APPROVALS 5 Tilt Wiring With GW connect watertight connector STANDARDS AND APPROVALS 5 Stainless steel Classification Available (under certain installation conditions) IPEA	Operating temperature	-30°C ÷ +50 °C	Rated frequency (Hz)	50/60 Hz
Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6kV / CM 6kV Optic Metallic PC reflector and PMMA lenses Control System ON / OFF Gasket anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt With GW connect watertight connector 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 - - IP degree IP66 - - Mechanical resistance IK08 - - </td <td>MATERIALS</td> <td>-</td> <td>Driver</td> <td>Included</td>	MATERIALS	-	Driver	Included
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Gasket anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt With GW connect watertight connector 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 I IP degree IP66 E 6 Mechanical resistance IK08 -	Shield type	Tempered glass Thickness 4mm	Overvoltage protection	DM 6kV / CM 6kV
Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt With GW connect watertight connector Colour Grey RAL 7035 Wring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional DIN 18032-3 certification Available (under certain installation conditions) Controlgear replaceability By professional IPEA - Maximum surface exposed to the wind 0,097 m² Insulation class 1 Available (under certain installation class) - IP degree 1P66 - - Mechanical resistance IK08 - -	Optic	Metallic PC reflector and PMMA lenses	Control System	ON / OFF
External screw Stainless steel Tilt With bracket accessory Colour Grey RAL 7035 Wring 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 1 - IP degree 1P66 - Mechanical resistance 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) Driver Box Built-in IPEA - Maximum surface exposed to the wind 0,097 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	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 - IP degree IP66 - 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 0,097 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	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 - IP degree IP66 - Mechanical resistance IK08 -	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 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -		-	Light souce replaceability	By professional
conditions) IPEA - Maximum surface exposed to the wind 0,097 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	Device with reduced surface temperature	Yes	Controlgear replaceability	By professional
Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	DIN 18032-3 certification		Driver Box	Built-in
IP degree IP66 - Mechanical resistance IK08 -	IPEA	-	Maximum surface exposed to the wind	0,097 m²
Mechanical resistance IK08 -	Insulation class	I	·	-
	IP degree	IP66		-
Glow Wire Test 850 °C -	Mechanical resistance	IK08		-
	Glow Wire Test	850 °C		-

DIMENSIONAL

PHOTOMETRIC DISTRIBUTION





TECHNICAL SYMBOLOGY















IK IK08 **GWT** 850 °C



STANDARDS/APPROVALS

UK CA ∰3 ∰3 (€ Product Data Sheet GWS4120AQ830 SMART [4]