

Product Data Sheet GWS4220AQ830

SMART [4]

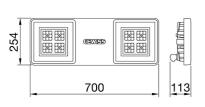


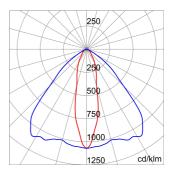
Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded 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 Lighting for inclustries and sports familities Coptic facilities Coptic familities Elliptical Luminaire LED Industrial Reflector Unified Glare Rating - - Application Internal Lumen output (Im) 13600 Unique digital code (Datamatrix) Datamatrix Efficacy 143 Colour Grey RAL 7035 Colour temperature 3000 K Type of light source LED Colour Temperature 3000 K LED Lifetime L90B10(Tq25°C)~150.000n; L90B10 400 +70°C Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)~150.000n; L90B10 Fo. Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)~150.000n; L90B10 Fo. Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)~150.000n; L90B10 Fo. Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)~150.000n; L90B10 Fo. Standard Deviation Colour Matching SDCM = 3 Warranty 5 years ELETRICAL AND LifetTing Features LeD Lifet Fea	GENERAL INFORMATION	_	OPTIC AND ILLUMINATING FEATURES	-
Application	Context		Optic	Elliptical
Unique digital code (Datamatrix) Colour Grey RAL 7035 Cycley Glight source System power System p	Luminaire	LED Industrial Reflector	Unified Glare Rating	-
	Application	Internal	Lumen output (Im)	13600
Type of light source LED System power SED System power Colour Rendering Index CRI>80 System power L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Standard Deviation Colour Matching SDCM = 3 Weight (kg) 6.5 Standard Deviation Colour Matching EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years Standard Deviation Colour Matching EN 60598-1; EN 60598-2-1; EN 60598-2-24 Warranty 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 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 Control System Locking Hook - Titl With GW connect watertight connect watertight connect watertight connect watertight connect watertight connect watertight connect water	Unique digital code (Datamatrix)	Datamatrix		143
System power	Colour	Grey RAL 7035	Colour temperature	3000 K
LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h (Tq	Type of light source	LED	Colour Rendering Index	CRI>80
Weight (kg) (Tq50°C)=100.000h Weight (kg) (Standard (EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-1 (EN 60598-2-24) Warranty (Stocking temperature (A0 +70°C) Operating temperature (A0 +70°C) Opera	System power	95 W	Standard Deviation Colour Matching	SDCM = 3
Warranty 5 years Stocking temperature 40 +70 °C Operating temperature -30 °C + +50 °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 Saket anti-aging silicone Locking Hook -Mounting and installation External screw Stainless steel Classification Grey RAL 7035 STANDARDS AND APPROVALS - Fixing Classification Available (under certain installation conditions) IPEA - Available (under certain installation schelass) IPEA - Available (under certain installation conditions) IPEA - PA6 "Halogen Free" loaded fire glass Thickness 4mm Insulation class IP degree IP 66 IMATERIALS - Supply voltage (Supply voltage) Supply voltage (Supply voltage) Supply voltage (PHz) Supply (Hz) Supply (H	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature	Weight (kg)	6.5	Standard	
Operating temperature -30°C + +50 °C Rated frequency (Hz) 50/60 Hz MATERIALS - Driver Included Body PA6 "Halogen Free" loaded fibreglass Driver failure rate PAMA lenses Amm Optic Metallic PC reflector and PMMA lenses Control System Optic Australia Screw Stainless steel Clour Grey RAL 7035 Stainless steel Clour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Stainless steel Clow with reduced surface temperature DN 18032-3 certification Available (under certain installation conditions) IPEA Available (under certain installation Insulation Cless Page Page Page Page Page Page Page Page	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) Driver Box Built-in IPEA - Maximum surface exposed to the wind 0,184 m² Insulation class 1 Maximum surface exposed to the wind - Mechanical resistance IP66 - -	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 silicone Locking Hook Stainless steel Colour Stainless steel Classification Payrol Stainless Steel Classification Povice with reduced surface temperature Device with reduced surface temperature DIN 18032-3 certification Page 1914 Page 1914 Page 1914 Page 1916 P	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 Wiring With DW connect watertight connector STANDARDS AND APPROVALS - Fixing - Control System ON / OFF Classification - Light souce replaceability By professional Device with reduced surface temperature Yes Control System Driver Box By professional DIN 18032-3 certification Available (under certain installation conditions) Driver Box Built-in IPEA - Maximum surface exposed to the wind 0,184 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	MATERIALS	-	Driver	Included
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 Tilk With GW connect watertight connector Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - 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 0,184 m² - Insulation class 1 - - IPe degree IP66 - - Mechanical resistance IK08 - -	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10=70.000h Tq25°C/35.000h Tq50°C
Gasket anti-aging silicone Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt 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 O,184 m² Insulation class I I IP degree IP66 IP66 - Geling - Wallmounting - Suspension Ceiling - Wallmounting - Suspension With GW connect watertight connector Single With GW connect watertight connector Six in Green Support Six in Green Six in Green Support Six in Green Six in Gr	Shield type		Overvoltage protection	DM 6kV / CM 6kV
Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Controlgear 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 0,184 m² IP degree IP66 - IP66 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 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 0,184 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	<u>-</u>
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 0,184 m² Insulation class I I IP degree IP66 - Maximum surface exposed to the wind - Conditions IR66 - Controlgear replaceability By professional Driver Box Controlgear replaceability By professional Driver Box Controlgear replaceability By professional Driver Box Controlgear replaceability Controlgea	Locking Hook	<u>-</u>	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 0,184 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 0,184 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 0,184 m² Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	STANDARDS AND APPROVALS	-	Fixing	-
DIN 18032-3 certification Available (under certain installation conditions) IPEA Insulation class IP66 Mechanical resistance Available (under certain installation conditions) Driver Box Built-in Maximum surface exposed to the wind 0,184 m²		-	Light souce replaceability	By professional
conditions) IPEA - Maximum surface exposed to the wind 0,184 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	0,184 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













IP IP66 IK IK08 **GWT** 850 °C



STANDARDS/APPROVALS

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