

Product Data Sheet GWS4221AQ830

SMART [4]

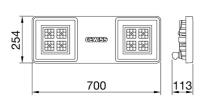


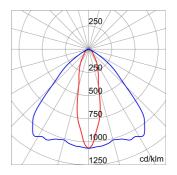
Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded 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).

tuminaire LED Industrial Reflector hypilication linternal linternal pipplication (linternal pipplication) linternal linternal pinque digital code (Datamatrix) Datamatrix (lim/W) 13600 Efficacy (lim/W) 13600 K (Yope of light source	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Application Internal Lumen output (Im) 13600 143	Context		Optic	Elliptical
Datamatrix Datamatrix Datamatrix Efficacy (Im/W) 143 1	Luminaire	LED Industrial Reflector	Unified Glare Rating	<u>-</u>
	Application	Internal	Lumen output (Im)	13600
Specification Specificatio	Unique digital code (Datamatrix)	Datamatrix		143
System power 95 W Standard Deviation Colour Matching SPCM = 3 ED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Weight (kg) 6.5 Standard EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years Stocking temperature 40 +70°C Supply voltage 220 - 240 V Operating temperature -30°C + +50°C Rated frequency (Hz) 50/60 Hz Body PA6 "Halogen Free" loaded fibreglass or priver Included or priver failure rate F10=100.000h Tq25°C/50.000h Tq50°C Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection System 1 x DALI DT6 Sasket anti-aging silicone cocking Hook Tempered Stainless steel Tempered Stainless ste	Colour	Grey RAL 7035	Colour temperature	3000 K
ED Lifetime	Type of light source	LED	Colour Rendering Index	CRI>80
Veight (kg) Standard Standard EN 60598-1; EN 60598-2-12 EN 60598-2-21 EN 60598-2-1	System power	95 W	Standard Deviation Colour Matching	SDCM = 3
Varranty 5 years Stocking temperature 40 +70 °C Supply voltage 220 - 240 V Stocking temperature -30 °C + +50 °C Rated frequency (Hz) 50/60 Hz MATERIALS - Driver Included Stocking temperature -30 °C + +50 °C Rated frequency (Hz) 50/60 Hz Included Stocking temperature -30 °C + +50 °C Rated frequency (Hz) 50/60 Hz Included Stocking temperature -50/60 Hz MATERIALS - Driver failure rate F10=100.000h Tq25°C/50.000h Tq50°C Stolkield type Tempered glass Thickness 4mm Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection State anti-aging silicone Availables steel Stainless steel Stai	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature	Weight (kg)	6.5	Standard	
Perating temperature -30°C ÷ +50 °C Rated frequency (Hz) 50/60 Hz MATERIALS -50/60 PA6 "Halogen Free" loaded fibreglass Shield type Tempered glass Thickness 4mm Optic Metallic PC reflector and PMMA lenses Casket anti-aging silicone Casket anti-aging silicone Casket Alberta Stainless steel Casket Grey RAL 7035 Cassification Gewith reduced surface temperature Over with reduced surface temperature Over Stanless Steel Casket Available (under certain installation conditions) PEA Available (under certain installation resultation class I lead frequency (Hz) Sate of F10=100.000h Tq25°C/50.000h Tq50°C Overvoltage protection Over	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	<u>-</u>
MATERIALS PA6 "Halogen Free" loaded fibreglass option of the profit of t	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
PA6 "Halogen Free" loaded fibreglass Shield type Tempered glass Thickness 4mm Optic Metallic PC reflector and PMMA lenses Casket Anti-aging silicone Casket Anti-aging silicone Stainless steel Colour Grey RAL 7035 Stainless steel Colour Grey RAL 7035 Stainless steel Cassification Pevice with reduced surface temperature Pevice with reduced surface temperature Pep Available (under certain installation conditions) PEA Available (under certain installation conditions) Pedegree 1966 Mechanical resistance Driver failure rate P10=100.000h Tq25°C/50.000h Tq50°C Overvoltage protection Overvoltage protection DV (viring ND MaINTENANCE Overvoltage protection System 1 x DALI DT6 INSTALLATION AND MAINTENANCE Outling - Wallmounting - Suspension Tilt With bracket accessory Wiring With GW connect watertight connector Fixing Outling and installation Ceiling - Wallmounting - Suspension Wiring With GW connect watertight connector Fixing Outling - Control System Control System 1 Tilt With bracket accessory Control System Ceiling - Wallmounting - Suspension Wiring With GW connect watertight connector Fixing Outling - Control System Ceiling - Wallmounting - Suspension Viring With GW connect watertight connector Fixing Outling - Control System Ceiling - Wallmounting - Suspension Viring With GW connect watertight connector Fixing Outling - Control System Ceiling - Wallmounting - Suspension Viring With GW connect watertight connector Fixing Outling - Control System Ceiling - Wallmounting - Suspension Viring With GW connect watertight connector Fixing Outling and installation Ceiling - Wallmounting - Suspension Viring With GW connect watertight connector Fixing Outling - Ceiling - Wallmounting - Suspension Viring With GW connect watertight connector Fixing Outling - Ceiling - Wallmounting - Suspension Viring With GW connect watertight Connector Fixing Outling - Ceiling - Wallmounting - Suspension Viring With GW connect watertight Connector Viring Mithae Viring Mithae Viring Viring With GW connect watertight Connector Viring Available	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 Metallic PC reflector and PMMA lenses Casket anti-aging silicone anti-aging silicone acking Hook - Mounting and installation Caser Stainless steel Colour Grey RAL 7035 Tilt Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Light souce replaceability By professional Device with reduced surface temperature ON 18032-3 certification Available (under certain installation conditions) PEA - Available (under certain installation conditions) PEA - Meximum surface exposed to the wind O,184 m² neuchanical resistance IK08	MATERIALS	_	Driver	Included
Detic Metallic PC reflector and PMMA lenses anti-aging silicone screw Stainless steel Tilt Mounting and installation Ceiling - Wallmounting - Suspension With gward installation and installation and installation anti-aging silicone anti-aging silicone anti-aging silicone anti-aging silicone Tilt Wounting and installation Wiring With GW connect watertight connects and installation and installat	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10=100.000h Tq25°C/50.000h Tq50°C
Assket anti-aging silicone ocking Hook - Mounting and installation Ceiling - Wallmounting - Suspension Number of Stainless steel Tilt With bracket accessory Wiring With GW connect watertight connector Fixing With reduced surface temperature Ordicone ockidence with reduced surface temperature Ordicone occupied of Stainless steel Tilt Wiring With GW connect watertight connector Fixing - Stainless occupied o	Shield type		Overvoltage protection	DM 6 kV / CM 10 kV
Cocking 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 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 PEA Maximum surface exposed to the wind 0,184 m² Insulation class I - Mechanical resistance IK08 -	Optic	Metallic PC reflector and PMMA lenses	Control System	1 x DALI DT6
Stainless steel Tilt With bracket accessory Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Light souce replaceability By professional Device with reduced surface temperature OIN 18032-3 certification Available (under certain installation conditions) PEA - With GW connect watertight connector Tilt Wiring With GW connect watertight connector Controlgear replaceability By professional Driver Box Built-in Maximum surface exposed to the wind 0,184 m² Maximum surface exposed to the wind - Controlgear replaceability Driver Box Surface S	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	<u>-</u>
Colour Grey RAL 7035 Wiring With GW connect watertight connector Fixing - F	Locking Hook	<u>-</u>	Mounting and installation	Ceiling - Wallmounting - Suspension
FIXINDARDS AND APPROVALS - Fixing - Light souce replaceability Device with reduced surface temperature Yes Controlgear replaceability Driver Box PEA - Maximum surface exposed to the wind Pedgree Pedgr	External screw	Stainless steel	Tilt	
Classification - Light souce replaceability By professional Controlgear replaceability By professional Controlgear replaceability By professional Divide Surface temperature Yes Controlgear replaceability By professional Divide Surface temperature Professional Controlgear replaceability Driver Box Built-in Conditions Driver Box Built-in Conditions PEA Maximum surface exposed to the wind 0,184 m² nsulation class I Pedegree IP66 Surface IR68 Surface Sur	Colour	Grey RAL 7035	Wiring	With GW connect watertight connector
Device with reduced surface temperature PEA PEA PEA PISSURD 18032-3 certification Available (under certain installation conditions) PEA PEA PEA PEA PEA PEA PEA PE	STANDARDS AND APPROVALS	-	Fixing	-
DIN 18032-3 certification Available (under certain installation conditions) PEA Insulation class I I I I I I I I I I I I I I I I I I I	Classification	-	Light souce replaceability	By professional
conditions) PEA - Maximum surface exposed to the wind 0,184 m² nsulation class I - P degree IP66 - Mechanical resistance IK08 -	Device with reduced surface temperature	: Yes	Controlgear replaceability	By professional
Insulation class I - P degree IP66 - Mechanical resistance IK08 -	DIN 18032-3 certification		Driver Box	Built-in
P degree IP66 - Mechanical resistance IK08 -	IPEA	<u>-</u>	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

UK CA ∰3 ∰3 (€ Product Data Sheet GWS4221AQ830 SMART [4]