

Product Data Sheet GWS4224AA830

SMART [4]



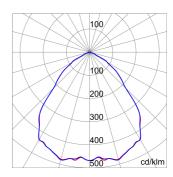
Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded 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	GENERAL INFORMATION	<u>-</u>	OPTIC AND ILLUMINATING FEATURES	<u>-</u>
Application Internal Outque (digital code (Datamatrix) Internal Outque (digital code (Datamatrix) Lume (Efficacy (Im/W)) 14600 (900 Em.) 154 Colour Grey RAL 7035 Colour temperature 3000 K CPI>80 CPI>80 CPI>80 SCNI>80 SCNI>80 SCNI>80 SCNI>80 SCNI>80 SCNI>80 SCNI>80 SCNI<*80	Context		Optic	Array
Unique digital code (Datamatrix)	Luminaire	LED Industrial Reflector	Unified Glare Rating	UGR ≤ 25
Unique digital code (Datamatrix) Datamatrix (m/W) Efficacy (m/W) 154 Colour Grey RAL 7035 Colour temperature 3000 K Type of light source SEM (+5W Emers) Standard Deviation Colour Matching 3000 K System 95 W (+5W Emers) Standard Deviation Colour Matching 3000 K LED Lifetime L90B10(Tq25°C)>150.000h; 190B10 (Tq40°C)=140.000h Photobiological Risk Class RG0 Weight (kg) 5 sea Standard ELETRICAL AND LIGHTING FEATURES EN 60598-2-2; EN 60598-1; EN 60598-2-24 Warranty 5 sea Supply voltage 20 - 240 V Stocking temperature 40 + 70° C Supply voltage 20 - 240 V Operating temperature 0 + 440° C Rated frequency (Hz) 50/60 Hz 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 6k V/ CM 10 kV Optic Metallized polycarbonate reflector Control System 1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h) Gasket anti-aging silicone Installa	Application	Internal		14600 (900 Em.)
Type of light source LED Colour Rendering Index CRI>80 System 95 W (+5W Emerg.) Standard Deviation Colour Matching SDCM = 3 power LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h Photobiological Risk Class RG0 Weight (kg) 8 Standard EN 60598-2-22; EN 60598-1; EN 60598-2-22 60598-2-22 Warranty 5 years Stocking temperature 40 + 70 °C Supply voltage 20 - 240 V Operating temperature 40 + 70 °C Supply voltage 220 - 240 V MATERIALS 2 P46 "Halogen Free" loaded fibreglass Driver are reflector of providing protection Driver failure rate F10=100.000h Tq25°C/50.000h Tq40°C Shield type Tempered glass Thickness 4mm Overvoltage protection Driver failure rate F10=100.000h Tq25°C/50.000h Tq40°C Optic Metallized polycarbonate reflector Overvoltage protection Driver failure rate F10=100.000h Tq25°C/50.000h Tq40°C Gasket 3 m1-aging silicone INSTALLATION AND MAINTENANCE INSTALLAT	Unique digital code (Datamatrix)	Datamatrix	Efficacy	154
System 95 W (+5W Emerg.) Standard Deviation Colour Matching SDCM = 3 power LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h Weight (kg) 8 Standard Deviation Colour Matching EN 60598-2-22; EN 60598-1; EN 60598-2-24 Warranty 5 5 years Stocking temperature 4-0 +70°C Stocking temperature 0 +40 +70°C Operating temperature 0 +40 +40°C Poperating temperature 0 +40 +40°C Poperating temperature 0 +40°C Poperating temperature 1 +40°C Poperating temperatu	Colour	Grey RAL 7035	Colour temperature	3000 K
power LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h Photobiological Risk Class RG0 Weight (kg) Standard EN 60598-2-22; EN 60598-1; EN 60598-2-24 Warranty 5 years Stocking temperature 40 +70 °C Operating temperature Supply voltage 220 - 240 V Rated frequency (Hz) 50/60 Hz Temperature Body PA6 "Halogen Free" loaded fibreglass Shield type Driver failure rate F10=100.000h Tq25°C/50.000h Tq40°C Overvoltage protection Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection NSTALLATION AND MAINTENANCE INSTALLATION AND MAINTENANCE INSTALLATION AND MAINTENANCE INSTALLATION AND MAINTENANCE Institute of the control of the contro	Type of light source	LED		CRI>80
LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h Weight (kg) 8 Standard Standard EN 60598-2-22; EN 60598-1; EN 60598-2-23; EN 60598-1; EN 60598-2-24 (PN 60598-2-24) Stocking temperature 40 +70 °C Operating temperature 60 + 40 °C Operating temperature 61 + 40 +70 °C Operating temperature 61 + 40 +70 °C Operating temperature 62 - 40 °C Operating temperature 64 + 40 +70 °C Operating temperature 64 + 40 +70 °C Operating temperature 64 * **Operating temperature 75 * **Operating temperature 85 * **Operating temperature 85 * **Operating temperature 85 * **Operating temperature 85 * **Operating temperature 96 * **Operating temperature 10 * **Operating temperature 11 * **Operating tempera	System	95 W (+5W Emerg.)	Standard Deviation Colour Matching	SDCM = 3
Marranty S years Stocking temperature 40 +70 °C Supply voltage 220 - 240 V	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature	Weight (kg)	8	Standard	
Operating temperature 0 + +40 °C Rated frequency (Hz) 50/60 Hz MATERIALS - Driver Included Body PA6 "Halogen Free" loaded fibreglass Shield type Tempered glass Thickness 4mm Optic Metallized polycarbonate reflector Gasket anti-aging silicone Locking Hook Stainless stell Colour Grey RAL 7035 STANDARDS AND APPROVALS - Fixing Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing Wiring With GW connect watertight connector STANDARDS and approximate the foliation of the fixing Stainless stell Classification Available (under certain installation conditions) IPEA Available (under certain installation conditions) IPEA - Mechanical resistance IROS MATERIALS - Driver (Hz) Stailed (priver) Stafted (priver) Stailed (priver) Stailed (priver) Stafted (priver) Stailed (priver) Stail	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 Metallized polycarbonate reflector 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 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 0,220 m² IP degree 1P6	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Body PA6 "Halogen Free" loaded fibreglass Shield type Tempered glass Thickness 4mm Optic Metallized polycarbonate reflector Gasket anti-aging silicone Locking Hook Stainless steel Colour Stainless steel Colour Grey RAL 7035 STANDARDS AND APPROVALS Fixing Classification Device with reduced surface temperature Din 18032-3 certification Available (under certain installation conditions) IPEA Available (under certain installation class I Pf degree I P65 Mechanical resistance I New Metallized polycarbonate reflector Overvoltage protection Diver failure rate F10=100.000h Tq25°C/50.000h Tq40°C Overvoltage protection Diver failure rate F10=100.000h Tq25°C/50.000h Tq40°C Overvoltage protection DM 6 kV / CM 10 kV Control System 1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h) I NSTALLATION AND MAINTENANCE I NSTALLATION AND	Operating temperature	0 ÷ +40 °C	Rated frequency (Hz)	50/60 Hz
Shield type Tempered glass Thickness 4mm Optic Metallized polycarbonate reflector Gasket anti-aging silicone External screw Stainless steel Colour Grey RAL 7035 STANDARDS AND APPROVALS - Classification Device with reduced surface temperature Din 18032-3 certification Available (under certain installation conditions) IPEA Available (under certain installation Capea Plass Stainless Steel Plass Steel	MATERIALS	-	Driver	Included
Optic Metallized polycarbonate reflector Gasket 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 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 0,220 m² Insulation class 1 - IPe degree IP65 - Mechanical resistance IK08 -	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10=100.000h Tq25°C/50.000h Tq40°C
Gasket anti-aging silicone Locking Hook - Mounting and installation Ceiling light - Suspension External screw Stainless steel Tilt - Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing With GW connect watertight connector STANDARDS AND APPROVALS - Light souce replaceability By professional Device with reduced surface temperature Power of Conditions IN 18032-3 certification Available (under certain installation conditions) Priver Box Maximum surface exposed to the wind 0,220 m² Insulation class I I Pd degree IP65 - Mechanical resistance IK08	Shield type		Overvoltage protection	DM 6 kV / CM 10 kV
Locking Hook - Mounting and installation Ceiling light - Suspension External screw Stainless steel 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 Period Controlgear replaceability By professional Conditions) IPEA - Available (under certain installation conditions) IPEA - Maximum surface exposed to the wind 0,220 m² IP degree IP65 - Maximum surface exposed to the wind - Conditions Period Controlgear replaceability - Controlgear replaceab	Optic	Metallized polycarbonate reflector		1 x DALI DT6 + 1 x DALI DT1 (Emerg. 3h)
External screw Stainless steel Tilt - 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 0,220 m² Insulation class I - IP degree IP65 - Mechanical resistance IK08 -	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS 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 0,220 m² Insulation class I I P66 - Maximum surface exposed to the wind - Conditions IP66 - I	Locking Hook	-	Mounting and installation	Ceiling light - Suspension
STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA - Maximum surface exposed to the wind IP66 IP69 Mechanical resistance - Fixing - Controlgear replaceability Driver Box - Maximum surface exposed to the wind - Available (under certain installation conditions) - Built-in - Maximum surface exposed to the wind - Conditions - Controlgear replaceability - Controlgear replaceability - By professional - Built-in - Maximum surface exposed to the wind - Controlgear replaceability - By professional - Built-in - Controlgear replaceability - By professional - Built-in - Controlgear replaceability - By professional	External screw	Stainless steel	Tilt	-
Classification - Light souce replaceability By professional Device with reduced surface temperature Power Po	Colour	Grey RAL 7035	Wiring	With GW connect watertight connector
Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA -	STANDARDS AND APPROVALS	_	Fixing	<u>-</u>
DIN 18032-3 certification Available (under certain installation conditions) IPEA Insulation class IP65 Mechanical resistance Available (under certain installation conditions) Driver Box Maximum surface exposed to the wind 0,220 m² Maximum surface exposed to the wind 0,220 m² - IP6 degree IP65 IR08 IR08 IR08 IR08 IR08 IR08 IR08 IR08	Classification	-	Light souce replaceability	By professional
conditions) IPEA - Maximum surface exposed to the wind 0,220 m² Insulation class I - IP degree IP65 - Mechanical resistance IK08 -	Device with reduced surface temperature	Yes	Controlgear replaceability	By professional
Insulation class I - IP degree IP65 - Mechanical resistance IK08 -	DIN 18032-3 certification		Driver Box	Built-in
IP degree IP65 - Mechanical resistance IK08 -	IPEA	-	Maximum surface exposed to the wind	0,220 m²
Mechanical resistance IK08 -	Insulation class			<u>-</u>
Mechanical resistance IK08 -	IP degree	IP65		-
Glow Wire Test 850 °C -	Mechanical resistance	IK08		-
	Glow Wire Test	850 °C		-

DIMENSIONAL

950

PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY









IP65

IK08

GWT 850 °C



STANDARDS/APPROVALS

CA CE CE

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