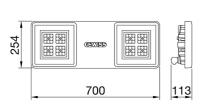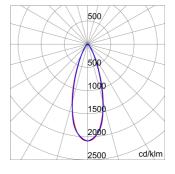# Product Data Sheet

GWS4222BF830

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).

GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Context	Lighting for industries and sports facilities	Optic	30°
Luminaire	LED Industrial Reflector	Unified Glare Rating	UGR ≤ 19
Application	Internal	Lumen output (lm)	18800
Unique digital code (Datamatrix)	Datamatrix	Efficacy (lm/W)	150
Colour	Grey RAL 7035	Colour temperature	3000 K
Type of light source	LED	Colour Rendering Index	CRI>80
System power	125 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)	6.5	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 = 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	-
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	Controlgear replaceability	By professional
DIN 18032-3 certification	With Bracket - Rope Kit + terminal (in approval)	Driver Box	Built-in
IPEA	-	Maximum surface exposed to the wind	0,184 m²
Insulation class	I		-
IP degree	IP66		-
Mechanical resistance	IK08		-
Glow Wire Test	850 °C		-

DIMENSIONAL

PHOTOMETRIC DISTRIBUTION

TECHNICAL SYMBOLOGY

				0,184 m²		IP	IK	GWT
						IP66	IK08	850 °C

STANDARDS/APPROVALS