

# Product Data Sheet

## GWS4421BF830

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 large sports facilities	Optic	30°
Luminaire Application	LED Industrial Reflector Internal	Unified Glare Rating	UGR ≤ 19
Unique digital code (Datamatrix)	Datamatrix	Lumen output (lm)	37600
Colour	Grey RAL 7035	Efficacy (lm/W)	149
Type of light source	LED	Colour temperature	3000 K
System power	253 W	Colour Rendering Index	CRI>80
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h	Standard Deviation Colour Matching	SDCM = 3
Weight (kg)	13.5	Photobiological Risk Class	RG0
Warranty	5 years	Standard	EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24
Stocking temperature	-40 +70 °C	ELETRICAL AND LIGHTING FEATURES	
Operating temperature	-30°C ÷ +50 °C	Supply voltage	220 - 240 V
<b>MATERIALS</b>		Rated frequency (Hz)	50/60 Hz
Body	PA6 "Halogen Free" loaded fibreglass	Driver	Included
Shield type	Tempered glass Thickness 4mm	Driver failure rate	F10 = 100.000h Tq25°C/50.000h Tq50°C
Optic	Metallic PC reflector and PMMA lenses	Overvoltage protection	DM 6 kV / CM 10 kV
Gasket	anti-aging silicone	Control System	1 x DALI DT6
Locking Hook	-	INSTALLATION AND MAINTENANCE	
External screw	Stainless steel	Mounting and installation	Ceiling - Wallmounting - Suspension
Colour	Grey RAL 7035	Tilt	With bracket accessory
<b>STANDARDS AND APPROVALS</b>		Wiring	With GW connect watertight connector
Classification	-	Fixing	-
Device with reduced surface temperature	Yes	Light source replaceability	By professional
DIN 18032-3 certification	With Bracket - Rope Kit + terminal (in approval)	Controlgear replaceability	By professional
IPEA	-	Driver Box	Built-in
Insulation class	I	Maximum surface exposed to the wind	0,350 m²
IP degree	IP66		-
Mechanical resistance	IK08		-
Glow Wire Test	850 °C		-

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP  
IP66

IK  
IK08

GWT  
850 °C

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STANDARDS/APPROVALS

