



Smart [4] HACCP is the series of indoor LED lighting devices suitable for lighting in the food and beverage industry, ideal for illuminating production areas, warehouses and logistics areas. Three different sizes available: 1M, 2M and 4M. The body is made of nylon "Halogen-free" loaded with grey fibreglass (RAL7035) with venting and anti-condensation device, aluminium alloy heat dissipation device EN AB 44300. It is equipped with a double optical system that provides a metallic reflector with ARRAY optics and a metallic reflector with PMMA lenses stabilized at UV, high efficiency, which allow a wide variety of light distributions 30°, 60°, and 90°, asymmetric and elliptical, screen in PMMA. It is possible to install hanging, wall and projection devices. It is available with three types of Colour Temperature (4000K / 5700K), CRI>80 Colour Rendering Index and two power supply options (ON/OFF or DALI).

GENERAL INFORMATION		OPTIC AND ILLUMINATING FEATURES	
Context	Lighting of logistical and industrial food productive premises	Optic	60°
Luminaire	LED Industrial Reflector	Unified Glare Rating	UGR ≤ 22
Application	Internal	Lumen output (lm)	39600
Unique digital code (Datamatrix)	Datamatrix	Efficacy (lm/W)	157
Colour	Grey RAL 7035	Colour temperature	4000 K
Type of light source	LED	Colour Rendering Index	CRI>80
System power	253 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)	13.5	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=100.000h Tq25°C/50.000h Tq50°C
Shield type	PMMA	Overvoltage protection	DM 6 kV / CM 10 kV
Optic	Metallic PC reflector and PMMA lenses	Control System	1 x DALI DT6
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 source 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	0,350 m²
Insulation class	I		-
IP degree	IP65		-
Mechanical resistance	IK07		-
Glow Wire Test	650 °C		-

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



### TECHNICAL SYMBOLOGY



IP  
IP65

IK  
IK07

GWT  
650 °C



Product Data Sheet  
**GWS4421HH840**

SMART [4]

STANDARDS/APPROVALS

