



Smart [4] HT is the series of LED indoor appliances suitable for the food industry, production areas or warehouses where critical temperatures develop. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with venting and anti-condensation device, aluminium alloy heat dissipation device 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-stabilised, high-efficiency PMMA lenses, which allow a wide variety of 60°, 90° and Elliptical light distributions. Operating temperature range "Ta" between -30°C and + 60°C. Suspension, wall and projection appliances can be installed. It is available with three types of Colour Temperature (4000K / 5700K), Color Rendering Index CRI>80 and ON/OFF power supply.

GENERAL INFORMATION

Context	Logistics and industrial manufacturing lighting
Luminaire	LED Industrial Reflector
Application	Internal
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 7035
Type of light source	LED
System power	48 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000h
Weight (kg)	3.5

Warranty	5 years
Stocking temperature	-40 +70 °C
Operating temperature	-30°C + +60 °C

MATERIALS

Body	PA6 "Halogen Free" loaded fibreglass
Shield type	Tempered glass Thickness 4mm
Optic	Metallic PC reflector and PMMA lenses
Gasket	anti-aging silicone
Locking Hook	-
External screw	Stainless steel
Colour	Grey RAL 7035

STANDARDS AND APPROVALS

Classification	-
Device with reduced surface temperature	Yes
DIN 18032-3 certification	Available (under certain installation conditions)
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08
Glow Wire Test	850 °C

OPTIC AND ILLUMINATING FEATURES

Optic	Elliptical
Unified Glare Rating	-
Lumen output (lm)	7100
Efficacy (lm/W)	148
Colour temperature	5700 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0
Standard	EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24

ELETRICAL AND LIGHTING FEATURES

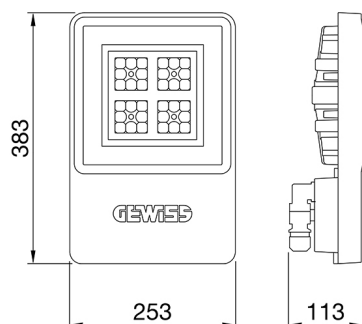
Supply voltage	220 - 240 V
Rated frequency (Hz)	50/60 Hz
Driver	Included
Driver failure rate	F10=100.000h Tq25°C/50.000h Tq60°C
Overvoltage protection	DM 6 kV / CM 10 kV
Control System	ON / OFF

INSTALLATION AND MAINTENANCE

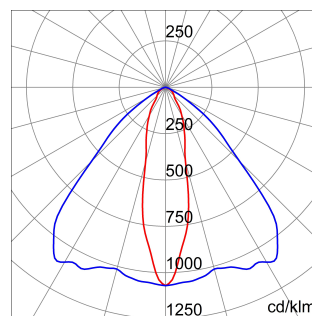
Mounting and installation	Ceiling - Wallmounting - Suspension
Tilt	With bracket accessory
Wiring	With GW connect watertight connector
Fixing	-
Light source replaceability	By professional
Controlgear replaceability	By professional
Driver Box	Built-in

Maximum surface exposed to the wind	0,097 m²
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DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY





Product Data Sheet
GWS4120CQ857

SMART [4]

STANDARDS/APPROVALS

