



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 Application	LED Industrial Reflector Internal
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 7035
Type of light source	LED
System power	189 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000h
Weight (kg)	13.5
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

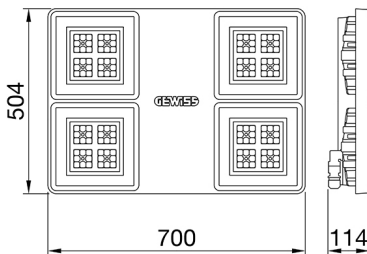
Optic	60°
Unified Glare Rating	UGR ≤ 19
Lumen output (lm)	30800
Efficacy (lm/W)	163
Colour temperature	5700 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0
Standard	EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24

ELETRICAL AND LIGHTING FEATURES

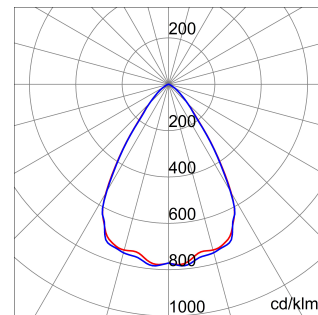
Supply voltage	220 - 240 V
Rated frequency (Hz)	50/60 Hz
Driver	Included
Driver failure rate	F10=100.000h Tq25°C/50.000h Tq60°C
Overvoltage protection	DM 6 kV / CM 10 kV
Control System	ON / OFF
INSTALLATION AND MAINTENANCE	
Mounting and installation	Ceiling - Wallmounting - Suspension
Tilt	With bracket 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	0,350 m²
-	-
-	-
-	-
-	-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



0,350 m²



IP
IP66

IK
IK08

GWT
850 °C



Product Data Sheet
GWS4420CH857

SMART [4]

STANDARDS/APPROVALS

