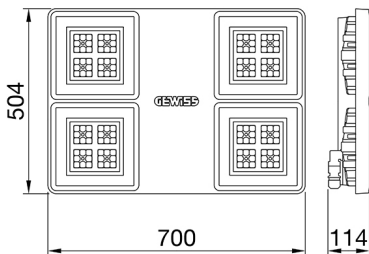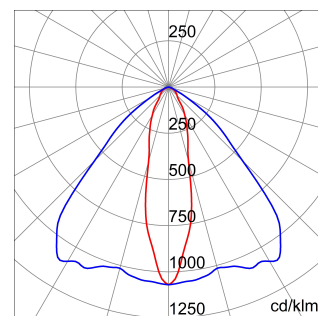# Product Data Sheet

GWS4420HQ840

SMART [4]

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	-
Context	Lighting of logistical and industrial food productive premises
Luminaire	LED Industrial Reflector
Application	Internal
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 7035
Type of light source	LED
System power	253 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h
Weight (kg)	13.5
Warranty	5 years
Stocking temperature	-40 +70 °C
Operating temperature	-30 +50 °C
MATERIALS	**-**
Body	PA6 "Halogen Free" loaded fibreglass
Shield type	PMMA
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	-
IPEA	-
Insulation class	I
IP degree	IP65
Mechanical resistance	IK07
Glow Wire Test	650 °C

OPTIC AND ILLUMINATING FEATURES	-
Optic	Elliptical
Unified Glare Rating	-
Lumen output (lm)	36800
Efficacy (lm/W)	145
Colour temperature	4000 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=70.000h Tq25°C/35.000h Tq50°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 souce 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 IP65   IK IK07   GWT 650 °C

GWS4420HQ840

SMART [4]

STANDARDS/APPROVALS

CE

GWS4420HQ840

SMART [4]