

Product Data Sheet GWS4420HC857

SMART [4]

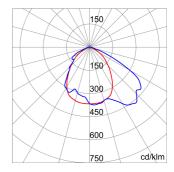


Smart [4] HACCP is the series of indoor LED lighting devices suitable for lighting in the food and beverage industry, ideal for illuminating production areas, warehouses and logistics areas. Three different sizes available: 1M, 2M and 4M. The body is made of nylon "Halogen-free" loaded with grey fibreglass (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).

Luminaire	GENERAL INFORMATION	<u>-</u>	OPTIC AND ILLUMINATING FEATURES	<u>-</u>
Luminaire	Context	Lighting of logistical and industrial food productive	Optic	Asymmetrical
Application Internal Datamatrix (uniform) Lume output (lm) 35600 Unique digital code (Datamatrix) Datamatrix (Efficacy (uniform)) Efficacy (uniform) 141 Colour Grey RAL 7035 Colour temperature 5700 k Type of light source LED Colour Rendering Index CRI>80 System power L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Potobiological Risk Class EN 60598-1; EN 60598-2-1; EN 60598-2-21 Weight (kg) 13.5 Standard EN 60598-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years Standard ELETRICAL AND LIGHTING FEATURES 60598-2-24 Warranty 5 years Supply voltage 220 - 240 V Operating temperature -40 + 70°C Rated frequency (Hz) 50/60 Hz MATERIALS - 70°Ver PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type Metallic PC reflector and PMMA lenses PA (PMA) Overvoltage protection Driver Row Driver Row		premises	·	<u>, </u>
Unique digital code (Datamatrix) Datamatrix Efficacy (Im/W) 141 Colour Grey RAL 7035 Colour temperature 5700 K Type of light source LED Colour Rendering Index CRI>80 System power 253 W Standard levation 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 60598-2-1; EN 60598-2-24 Warranty 5 years Standard EN 60598-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years Standard EN 60598-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years Standard ELETRICAL AND LIGHTING FEATURES - Stocking temperature -30°C +50°C Rated frequency (Hz) 5060 Hz Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type PA6 "Halogen Free" loaded fibreglass Priver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Gasket Morting and installation No Trovicol System No T	Luminaire	LED Industrial Reflector	Unified Glare Rating	-
Colour	Application	Internal	Lumen output (Im)	35600
Colour Grey RAL 7035 Colour temperature 5700 K Type of light source LED Colour Rendering Index CR1-80 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 ELETRICAL AND LIGHTING FEATURES EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years SLECTRICAL AND LIGHTING FEATURES 9 (50598-2-24) Warranty 5 years Supply voltage 220 - 240 V Operating temperature -30°C++50°C Supply voltage 220 - 240 V MATERIALS - Driver Telculated Body PA6 "Halogen Free" loaded fibreglass Stocking temperature Prover Fine-70.000h Tq25°C/35.000h Tq.50°C Shield type Metallic PC reflector and PMMA lenses Cortical System Norver failure rate F10=70.000h Tq25°C/35.000h Tq.50°C Gasket anti-aging silicone INSTALLATION AND MINITENANCE INSTALLATION AND MINITENANCE External screw Stainless steel Titl	Unique digital code (Datamatrix) Datamatrix			141
Type of light source LED Colour Rendering Index CRI>80 System power 253 W 253 W Standard Deviation Colour Matching SDCM = 3 LED Liffetime L90B10(Tq25°C)=150.000h; L90B10 (Tq50°C)=100.000h Photobiological Risk Class RG0 Weight (kg) 13.5 Standard Deviation Colour Matching EN 60598-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years ELETRICAL AND LIGHTING FEATURES 1 Stocking temperature -40 +70 °C Supply voltage 220 -240 V Operating temperature -30°C +50 °C Supply voltage 220 -240 V Operating temperature -30°C +50 °C Supply voltage 220 -240 V MATERIALS - Driver Included Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type PA6 "Halogen Free" loaded fibreglass Overvoltage protection DM 6 kV / CM 10 kV Optic Metallic PC reflector and PMMA lenses Control System Control System Locking Hook - Tital LATION AD MAINTENANCE Tital LATION AD MAINTENANCE			` /	
System power 253 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 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 5 years Stocking temperature -40 +70 °C Supply voltage 220 - 240 V Operating temperature -30°C + +50 °C Rated frequency (Hz) 50/60 Hz MATERIALS - 0 Triver Included Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type Metallic PC reflector and PMMA lenses Overvoltage protection DM 6 kV / CM 10 kV Gasket anti-aging silicone NSTALLATION AND MAINTENANCE Nounting and installation Ceiling - Wallmounting - Suspension Locking Hook Grey RAL 7035 Wiring With GW connect watertight connector Clossification Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS Fixing Controlgear replaceability By	Colour	Grey RAL 7035		5700 K
LED Lifetime L90B10(Tq25°C)+150.000h; L90B10 (Tq50°C)=100.000h Weight (kg) 13.5 Standard EN 60598-2;	Type of light source	LED		CRI>80
Weight (kg) (Tq50°C)=100.000h Weight (kg) 13.5 Standard EN 60598-1; EN 60598-2-1;	System power	253 W	Standard Deviation Colour Matching	SDCM = 3
Marranty Syears Stocking temperature 40 +70 °C Supply voltage 220 - 240 V	LED Lifetime		Photobiological Risk Class	RG0
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=70.000h Tq25°C/35.000h Tq50°C Shield type PMMA Overvoltage protection DM 6 kV / CM 10 kV Optic Metallic PC reflector and PMMA lenses Control System ON / OFF Gasket anti-aging silicone INSTALLATION AND MAINTENANCE - Ceiling - Wallmounting - Suspension Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tit With GW connect watertight connector Cloour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional Device with reduced surface temperature Yes Controlgear replaceability By professional Driver Box Suith installation conditions Driver Box Built-in IPEA - Part April 1965 Maximum surface exposed to the wind 0,350 m² IP degree 1P65 Maximum surface exposed to the wind <td>Weight (kg)</td> <td></td> <td>Standard</td> <td></td>	Weight (kg)		Standard	
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MATERIALS - Driver Included Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type PMMA Overvoltage protection DM 6 kV / CM 10 kV Optic Metallic PC reflector and PMMA lenses Control System ON / OFF Gasket anti-aging silicone INSTALLATION AND MAINTENANCE ON / OFF Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce 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 1 - IP degree IP65 - Mecha	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Body PA6 "Halogen Free" loaded fibreglass Shield type PMMA Optic PMMA Optic Metallic PC reflector and PMMA lenses Gasket anti-aging silicone Locking Hook Stainless steel Colour Stainless steel Classification Payrol Stainless Steel Classification Power with reduced surface temperature Power with reduced surface temperature DiN 18032-3 certification Available (under certain installation conditions) PA6 "Halogen Free" loaded fibreglass PMMA PMMA PMMA PMMA PMMA PMMA PMMA PM	Operating temperature	-30°C ÷ +50 °C	Rated frequency (Hz)	50/60 Hz
Shield type PMMA Overvoltage protection DM 6 kV / CM 10 kV Optic Metallic PC reflector and PMMA lenses Gasket anti-aging silicone External screw Stainless steel Colour Grey RAL 7035 Stainless steel Classification Grey RAL 7035 STANDARDS AND APPROVALS - Light souce replaceability By professional DiN 18032-3 certification Available (under certain installation conditions) IPEA Available (under certain installation Certain	MATERIALS	-	Driver	Included
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Gasket anti-aging silicone Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt With Dracket accessory Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing With GW connect watertight connector Classification - Light souce replaceability By professional Device with reduced surface temperature Power of Conditions Conditions Power of Conditions Insulation Cass I I I I I Green Power of Conditions I I I I Green Power of Control gear replaceability I I I I I I I I I I I I I I I I I I I	Shield type	PMMA	Overvoltage protection	DM 6 kV / CM 10 kV
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External screw Stainless steel Tilt With bracket accessory Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce 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 -	Locking Hook	-	Mounting and installation	Ceiling - Wallmounting - Suspension
STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA - Maximum surface exposed to the wind IPGeree IP65 Mechanical resistance - Fixing - Controlgear replaceability Driver Box Maximum surface exposed to the wind - Maximum surface exposed to the wind - CONTROLOGY - CONTROLOG	External screw	Stainless steel	Tilt	With bracket accessory
Classification - Light souce replaceability By professional Device with reduced surface temperature Power Po	Colour	Grey RAL 7035	Wiring	With GW connect watertight connector
Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA -	STANDARDS AND APPROVALS -		Fixing	-
DIN 18032-3 certification Available (under certain installation conditions) IPEA Insulation class IP65 Mechanical resistance Available (under certain installation conditions) Driver Box Maximum surface exposed to the wind 0,350 m² Available (under certain installation conditions) Maximum surface exposed to the wind 0,350 m² - IP6 degree IP65 IP65 IP65 IP66 IP67 IP67 IP68 IP68 IP68 IP68 IP68 IP68 IP68 IP68	Classification	-	Light souce replaceability	By professional
conditions) IPEA - Maximum surface exposed to the wind 0,350 m² Insulation class I - IP degree IP65 - Mechanical resistance IK07 -	Device with reduced surface te	mperature Yes	Controlgear replaceability	By professional
IPEA - Maximum surface exposed to the wind 0,350 m² Insulation class I - IP degree IP65 - Mechanical resistance IK07 -	DIN 18032-3 certification		Driver Box	Built-in
Insulation class I - IP degree IP65 - Mechanical resistance IK07 -	IPEA	conditions)	Maximum surface exposed to the wind	0.350 m²
IP degree IP65 - Mechanical resistance IK07 -	Insulation class			-
Mechanical resistance IK07 -	IP degree	IP65		-
	Mechanical resistance	IK07		-
	Glow Wire Test			-

DIMENSIONAL

PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY















IK IK07 **GWT** 650 °C



STANDARDS/APPROVALS

UK C€

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