

Product Data Sheet GWS4221HA840

SMART [4]

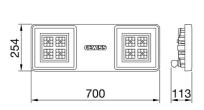


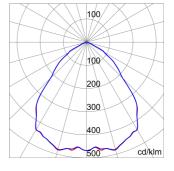
Smart [4] HACCP is the series of indoor LED lighting devices suitable for lighting in the food and beverage industry, ideal for illuminating production areas, warehouses and logistics areas. Three different sizes available: 1M, 2M and 4M. The body is made of nylon "Halogen-free" loaded with grey fibreglass (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	_	OPTIC AND ILLUMINATING FEATURES	_
Luminaire	Context L		Optic	Array
Application Internal Lumen output (Im) 198 Unique digital code (Datamatrix) Datamatrix Efficacy (Im/W) 1 Colour Grey RAL 7035 Colour temperature 4000 Type of light source LED LOOUR Rendering Index CRI>System power 125 W Standard Deviation Colour Matching SDCM = Photobiological Risk Class RCRI>System power LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Photobiological Risk Class RCRI>Standard Deviation Colour Matching SDCM = Photobiological Risk Class RCRI>Standard Deviation Colour Matching SDCM = Photobiological Risk Class RCRI>Standard Deviation Colour Matching SDCM = Photobiological Risk Class RCRI>Standard Deviation Colour Matching SDCM = Photobiological Risk Class RCRI>Standard Deviation Colour Matching SDCM = Photobiological Risk Class RCRI>Standard Deviation Colour Matching SDCM = Photobiological Risk Class RCRI>Standard Deviation Colour Matching ENGOS98-2-1 (EGC) RCRI>Standard Deviation Colour Matching SDCM = Photobiological Risk Class ELETRICAL AND LIGHTING FEATURES ELETRICAL AND LIGHTING FEATURES ELETRICAL AND LIGHTING FEATURES STANDARD AND LIGHTING FEATURES STANDARD AND LIGHTING FEATURES STANDARD AND LIGHTING FEATURES Province failure rate F10=100.000h Tq25		t i i i i i i i i i i i i i i i i i i i		
Unlique digital code (Datamatrix) Datamatrix Efficacy (m/W) 1 Colour Grey RAL 7035 Colour temperature 4000 Type of light source LED Colour Rendering Index CRI> System power 125 W Standard Deviation Colour Matching SDCM + LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Photobiological Risk Class RK Weight (kg) 5 years Standard EN 60598-1; EN 60598-2-1; EN 60	Luminaire	LED Industrial Reflector	Unified Glare Rating	-
		Internal	Lumen output (lm)	19800
Type of light source LED Colour Rendering Index CRI> System power 125 W Standard Devaition Colour Matching SDCM = Standard Devaition Colour Matching Ref 60598-2-1; EN 605	Unique digital code (Datamatrix)	Datamatrix		158
System power 125 W Standard Deviation Colour Matching SDM = LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 Photobiological Risk Class Rt Weight (kg) 6.5 Standard EN 60598-1; EN 60598-2-1; EN	Colour	Grey RAL 7035	Colour temperature	4000 K
LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h (Tq	Type of light source	LED	Colour Rendering Index	CRI>80
Weight (kg)	System power	125 W	Standard Deviation Colour Matching	SDCM = 3
Warranty 5 years Stocking temperature 40 +70 °C Supply voltage 220 - 240 Operating temperature -30 °C + 50 °C Rated frequency (Hz) 50/60 MATERIALS Driver Rateure F10=100.000h Tq25 °C/50.000h Tq50 Option PA6 "Halogen Free" loaded fibreglass Shield type PMMA Option Metallized polycarbonate reflector Control System 1 x DALI D Gasket anti-aging silicone External screw Stainless steel Tilt With David Mounting and installation Colour Grey RAL 7035 Wiring With GW connect watertight connect STANDARDS AND APPROVALS Fixing PSANDARDS AND APPROVALS Classification Available (under certain installation Conditions) IPEA Available (under certain installation Conditions) Merand Available (under certain installation Conditions) IPGGree PAG	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature 40 +70 °C Supply voltage 220 - 240 Operating temperature -30 °C ÷ +50 °C Rated frequency (Hz) 50/60 MATERIALS - Driver Includ Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=100.000h Tq25°C/50.000h Tq50 Shield type PMMA Overvoltage protection DM 6 kV / CM 10 Optic Metallized polycarbonate reflector Control System 1 x DAL1 D Gasket anti-aging silicone INSTALLATION AND MAINTENANCE Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspensi External screw Stainless steel Tilt Wiring With GW connect watertight connect STANDARDS AND APPROVALS - Fixing Wiring With GW connect watertight connect STANDARDS and approved to with reduced surface temperature - Light souce replaceability By profession Device with reduced surface temperature Available (under certain installation conditions) Driver Box Ontrol gear replaceability By profession IPEA - Maximum surface exposed to the wind 0,184 Includ Includ Mechanical resistance IP65	Weight (kg)	6.5	Standard	EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24
Operating temperature -30°C + +50 °C Rated frequency (Hz) 50/60 MATERIALS - Driver Includ Body PA6 "Halogen Free" loaded fibreglass Shield type PMMA Overvoltage protection Optic Metallized polycarbonate reflector Gasket anti-aging silicone Locking Hook - Mounting and installation Calsification PROVALS STANDARDS AND APPROVALS CIassification Optic Gailune rate File (Included Fi	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
MATERIALS PA6 "Halogen Free" loaded fibreglass Shield type PAMMA Optic Metallized polycarbonate reflector Gasket Locking Hook Locking Hook STANDARDS AND APPROVALS Classification Device with reduced surface temperature Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA Available (under certain installation class IPEA Boriver failure rate Control System Control Sy	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Body PA6 "Halogen Free" loaded fibreglass Shield type PMMA Optic PMMA Optic Metallized polycarbonate reflector Gasket anti-aging silicone Locking Hook Stainless steel Colour Stainless steel Colour Grey RAL 7035 STANDARDS AND APPROVALS Fixing Classification Device with reduced surface temperature Din 18032-3 certification Available (under certain installation conditions) IPEA Available (under certain installation class IP degree IP65 Mechanical resistance IK07	Operating temperature	-30°C ÷ +50 °C	Rated frequency (Hz)	50/60 Hz
Shield type PMMA Overvoltage protection DM 6 kV / CM 10 Optic Metallized polycarbonate reflector Gasket anti-aging silicone Locking Hook - Mounting and installation Colour Grey RAL 7035 Colour Grey RAL 7035 Classification - Light souce replaceability By profession Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA - Maximum surface exposed to the wind Insulation Celling - Wallmounting - Suspensi Installation Control System 1 x DALI D Control System 1 x DALI D Control System 1 x DALI D North System 1 x DALI	MATERIALS	-	Driver	Included
Optic Metallized polycarbonate reflector Control System 1 x DALI D Gasket anti-aging silicone INSTALLATION AND MAINTENANCE Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspensi External screw Stainless steel Tilt With GW connect watertight connect Colour Grey RAL 7035 Wiring With GW connect watertight connect STANDARDS AND APPROVALS - Fixing Classification - Light souce replaceability By profession Device with reduced surface temperature Yes Controlgear replaceability By profession DIN 18032-3 certification Available (under certain installation conditions) Driver Box Built IPEA - Maximum surface exposed to the wind 0,184 Insulation class I IPG Mechanical resistance IRO IRO	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10=100.000h Tq25°C/50.000h Tq50°C
Gasket anti-aging silicone Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspensi External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connect STANDARDS AND APPROVALS - Fixing Cassification - Light souce replaceability By profession Device with reduced surface temperature Yes DIN 18032-3 certification Available (under certain installation conditions) PEA - Maximum surface exposed to the wind 0,184 Insulation class I IP degree IP65 Mechanical resistance IK07	Shield type	PMMA	Overvoltage protection	DM 6 kV / CM 10 kV
Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspensi External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connect STANDARDS AND APPROVALS - Fixing Classification - Light souce replaceability By profession Device with reduced surface temperature Yes DIN 18032-3 certification Available (under certain installation conditions) IPEA - Maximum surface exposed to the wind O,184 Insulation class I IP degree IP65 Mechanical resistance IK07	Optic	Metallized polycarbonate reflector	Control System	1 x DALI DT6
External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connect STANDARDS AND APPROVALS - Fixing Classification - Light souce replaceability By profession Device with reduced surface temperature Yes Controlgear replaceability By profession DIN 18032-3 certification Available (under certain installation conditions) IPEA - Validation class - I IPG degree IPG5 Mechanical resistance IK07	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
Colour Grey RAL 7035 Wiring With GW connect watertight connect STANDARDS AND APPROVALS - Fixing Classification - Light souce replaceability By profession Device with reduced surface temperature Yes Controlgear replaceability By profession DIN 18032-3 certification Available (under certain installation conditions) IPEA - Maximum surface exposed to the wind 0,184 Insulation class I IPP degree IP65 Mechanical resistance IK07	Locking Hook	<u>-</u>	Mounting and installation	Ceiling - Wallmounting - Suspension
STANDARDS AND APPROVALS Classification Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA Insulation class IP degree IP65 Mechanical resistance Fixing Controlgear replaceability Driver Box Maximum surface exposed to the wind O,184 IN07	External screw	Stainless steel	Tilt	With bracket accessory
Classification - Light souce replaceability By profession Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA Insulation class IP degree IP65 Mechanical resistance Light souce replaceability Driver Box Driver Box Maximum surface exposed to the wind O,184 INSUITED STATES SURFACTION ON THE WIND	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 Insulation class IP degree IP65 Mechanical resistance Controlgear replaceability Driver Box Driver Box Built Driver Box Maximum surface exposed to the wind 0,184 Insulation class IR07	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 0,184 Insulation class IP65 IP65 IP65 IP65 IP65 IP67 IP67 IP68 IP68 IP68 IP69 IP69 IP69 IP69 IP69 IP69 IP69 IP69	Classification	-	Light souce replaceability	By professional
conditions) IPEA - Maximum surface exposed to the wind 0,184 Insulation class I IP degree IP65 Mechanical resistance IK07	Device with reduced surface temp	perature Yes	Controlgear replaceability	By professional
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	-	Maximum surface exposed to the wind	0,184 m²
Mechanical resistance IK07	Insulation class	I		
Mechanical resistance IK07	IP degree	IP65		-
Glow Wire Test 650 °C		IK07		-
	Glow Wire Test	650 °C		-

DIMENSIONAL

PHOTOMETRIC DISTRIBUTION





TECHNICAL SYMBOLOGY















IK IK07 **GWT** 650 °C



STANDARDS/APPROVALS

UK C€

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