

Product Data Sheet GWS4421HP857

SMART [4]

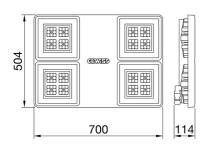


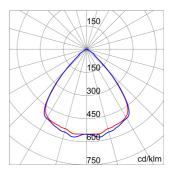
Smart [4] HACCP is the series of indoor LED lighting devices suitable for lighting in the food and beverage industry, ideal for illuminating production areas, warehouses and logistics areas. Three different sizes available: 1M, 2M and 4M. The body is made of nylon "Halogen-free" loaded with grey fibreglass (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 LED Industrial Reflector Unified Glare Rating UGR \$ 22 Application Internal Lumen output (Im) 39800 Unique digital code (Datamatrix) Datamatrix Efficacy (Im/W) 157 Colour Grey RAI 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 Photobiological Risk Class RG0 Weight (kg) L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h Standard Deviation Colour Matching SD 6598-2-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years ELETRICAL AND LIGHTING FEATURES EN 60598-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years ELETRICAL AND LIGHTING FEATURES 20 - 240 V Stocking temperature -40 +70°C Supply voltage 220 - 240 V Operating temperature -30°C + 15°C Rated frequency (Hz) 5060 Hz MaTERIALS - 0 river Driver 10c10ded Optic Metallic PC reflector and PMMA lenses Oriver failure rate F10=100.000h Tq25°C/50.000h Tq50°C	Context		Optic	90°
Application Internal Unique digital code (Datamatrix) Internal Datamatrix Lumen output (Im) 39800 Colour (Oour Grey RAL 7035) Colour temperature 5700 K (Im/W) Colour (Im) Grey RAL 7035 Colour Rendering Index CR18-80 System power LED Colour Rendering Index CR18-80 System power LeD Lifetime L90B10(Tq25°C)>150.000n; L90B10 (Tq50°C)=100.000h Photobiological Risk Class RG0 Weight (kg) 13.5 Standard Deviation Colour Matching SDCM = 3 Weight (kg) 13.5 Standard Deviation Colour Matching SDCM = 3 Weight (kg) 13.5 Standard Deviation Colour Matching SDCM = 3 Weight (kg) 13.5 Standard EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24 Warranty 5 years SLELTCLA AND LIGHTING FEATURES ELETCLA AND LIGHTING FEATURES 20 year-1; EN 60598-2-24 Weight (kg) PA6 "Halogen Free" loaded fibreglass Supply voltage 220 - 240 V Operating temperature 9A6 "Halogen Free" loaded fibreglass Driver flauter rate F10=100.000h Tq25°C/50.000 Tq50°C Optic Metallic PC r				
Unique digital code (Datamatrix) Datamatrix Efficacy (In/W) 157 Colour Grey RAL 7035 Colour Rendering Index 5700 K Type of light source LED Colour Rendering Index CRI-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 EN 60598-1; EN 60598-2-1; EN 60598-2-1 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -30°C+50°C Supply voltage 220 - 240 V Operating temperature -30°C+50°C Rated frequency (Hz) 50606 Hz Bried type PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=100.000h Tq25°C50.000h Tq50°C Shield type Metallic PC reflector and PMMA lenses Corticol System F10=100.000h Tq25°C50.000h Tq50°C Gasket Install Agriculture and installation Install LATTON AND MAINTENANE Titl With GW connect waterlight connector Clocking Hook Grey RAL 7035 Wiring		11111 1 1111	9	
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Type of light source LED Colour Rendering Index CRI>80 System power 253 W Standard Devaition 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 Daviation Colour Matching EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-2; EN 60598-2-24 Warranty 5 years ELETRICAL AND LIGHTING FEATURES 160598-2-24 Stocking temperature -30°C++50°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=100.000h Tq25°C/50.000h Tq50°C Shield type PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=100.000h Tq25°C/50.000h Tq50°C Optic Metallic PC reflector and PMMA lenses Control System 1 x DALI DT6 Gasket anti-aging silicone Control System Celling - Wallmounting - Suspension External screw Stainless steel Tilt With GW connec	Unique digital code (Datamatrix)	Datamatrix		157
System power 253 W 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 ELETRICAL AND LIGHTING FEATURES 5 contains temperature 40 +70°C Supply voltage 220 - 240 V Operating temperature -30°C + +50°C Rated frequency (Hz) 50/60 Hz Asked frequency (Hz) 50/60 Hz Body PA6 "Halogen Free" loaded fibreglass Shield type PMMA Driver failure rate F10=100.000h Tq25°C/50.000h Tq50°C Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection DM 6 kV / CM 10 kV Overvoltage protection STANDARD SAND AND AND AND AND AND AND AND AND AND	Colour	Grey RAL 7035	Colour temperature	5700 K
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Weight (kg)	System power	253 W	Standard Deviation Colour Matching	SDCM = 3
Marranty S years Stocking temperature -40 +70 °C Supply voltage 220 - 240 V	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature40 +70 °CSupply voltage220 - 240 VOperating temperature-30 °C ÷ +50 °CRated frequency (Hz)50/60 HzMATERIALS- DriverIncludedBodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10=100.000h Tq25 °C/50.000h Tq50 °CShield typePMMAOvervoltage protectionDM 6 kV / CM 10 kOpticMetallic PC reflector and PMMA lensesControl System1 x DALI DT6Gasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook- Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith GW connect watertight connectorClosurGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALS- Fixing-Classification- Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControl SystemBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxSitingIPEA- Maximum surface exposed to the wind0,350 m²Insulation classInsulation classInsulation classInsulation classIP degreeIP65Maximum surface exposed to the wind0,350 m²Mechanical resistanceIK07Insulation classInsulation classInsulation class	Weight (kg)	13.5	Standard	
Operating temperature -30°C ÷ +50 °C Rated frequency (Hz) 50/60 Hz MATERIALS - Driver failure rate F10=100.000h Tq25°C/50.000h Tq50°C Shield type PA6 "Halogen Free" loaded fibreglass Shield type Metallic PC reflector and PMMA lenses Gasket anti-aging silicone Locking Hook Stainless steel Colour Grey RAL 7035 Grey RAL 7035 STANDARDS AND APPROVALS - Siliness steel DN 18032-3 certification Available (under certain installation Insulation conditions) IPEA Available (under certain installation class Insulation canditions) IPEA Begree 1P65 Metallic PC reflector and PMMA lenses Control System F10=100.000h Tq25°C/50.000h Tq50°C Control System F10=100.000h Tq25°C/50.000h Tq50°C Control System Crisiure rate Control System Insulation Conditions Insulation Condition	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
MATERIALS Driver Included Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=100.000h Tq25°C/50.000h Tq50°C Shield type PMMAD Overvoltage protection DM 6 kV / CM 10 kV Optic Metallic PC reflector and PMMA lenses Control System 1 x DALI DT6 Gasket anti-aging silicone INSTALLATION AND MAINTENANCE 1 x DALI DT6 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 I Maximum surface exposed to the wind 0,350 m² IPe degree IPE6 IPE6	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
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Shield type PMMA Overvoltage protection DM 6 kV / CM 10 kV Optic Metallic PC reflector and PMMA lenses Gasket anti-aging silicone Locking Hook - Stainless steel External screw Stainless steel Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Light souce replaceability By professional Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA - Maximum surface exposed to the wind Metallic PC reflector and PMMA lenses Control System 1 x DALI DT6 Mounting and installation Mounting and installation Ceiling - Wallmounting - Suspension Wiring With GW connect watertight connector Fixing - Control gear replaceability By professional Driver Box Built-in Conditions IPEA - Maximum surface exposed to the wind 0,350 m² IP degree IP65 - Mechanical resistance IK07	MATERIALS	-	Driver	Included
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Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel 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) IPEA - Maximum surface exposed to the wind 1946 Pdegree 1P65 - Mechanical resistance 1 IK07	Optic	Metallic PC reflector and PMMA lenses	Control System	1 x DALI DT6
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 IP65 Maximum surface exposed to the wind - Mechanical resistance IR07 -	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
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conditions) IPEA - Maximum surface exposed to the wind 0,350 m² Insulation class I - IP degree IP65 - Mechanical resistance IK07 -	Device with reduced surface ten	nperature Yes	Controlgear replaceability	By professional
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Mechanical resistance IK07 -	Insulation class	I		-
Mechanical resistance IK07 -	IP degree	IP65		-
Glow Wire Test 650 °C -	Mechanical resistance	IK07		-
	Glow Wire Test	650 °C		-

DIMENSIONAL

PHOTOMETRIC DISTRIBUTION





TECHNICAL SYMBOLOGY















IK IK07 **GWT** 650 °C



STANDARDS/APPROVALS

UK C€

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