

## Product Data Sheet GWS4220HQ840

SMART [4]

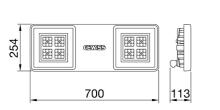


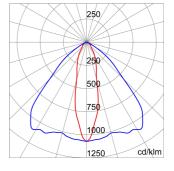
Smart [4] HACCP is the series of indoor LED lighting devices suitable for lighting in the food and beverage industry, ideal for illuminating production areas, warehouses and logistics areas. Three different sizes available: 1M, 2M and 4M. The body is made of nylon "Halogen-free" loaded with grey fibreglass (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	_
Lendinaire	Context	Lighting of logistical and industrial food productive	Optic	Elliptical
Application		t i i i i i i i i i i i i i i i i i i i		
Unique digital code (Datamatrix)         Datamatrix         Efficacy (m/W)         147           Colour         Grey RAL 7035         Colour temperature         4000 K           Type of light source         LED         Colour Rendering Index         CRI>80           System power         125 W         Standard evaluation Colour Matching         SDCM = 3           LED Lifetime         L90B10(Tq25°C)>150.000h; L90B10         Photobiological Risk Class         RG0           Weight (kg)         6.5         Standard         EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24           Warranty         5 years         ELETRICAL AND LIGHTING FEATURES         -           Stocking temperature         40 +70 °C         Supply voltage         220 - 240 V           Operating temperature         -30°C +50 °C         Rated frequency (Hz)         50/60 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         Driver failure rate         F10=70.000h Tq25°C/35.000h Tq50°C           Gasket         anti-aging silicone         NSTALLATION AND MAINTENACE         Overvoltage protection         William (With Driver Central Institution)           Locking Hook         Grey RAL 7035         Wirling <td>Luminaire</td> <td>LED Industrial Reflector</td> <td>Unified Glare Rating</td> <td><u>-</u></td>	Luminaire	LED Industrial Reflector	Unified Glare Rating	<u>-</u>
Colour   Grey RAL 7035   Colour temperature   4000 K	Application		Lumen output (lm)	18400
Type of light source         LED         Colour Rendering Index         CRI>80           System power         125 W         Standard Devaltion Colour Matching         SDCM = 3           LED Lifetime         L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h         Protobiological Risk Class         RG60           Weight (kg)         6.5         Standard Devaltion Colour Matching         EN 60598-1; EN 60598-2-1; EN 60598-2-2; EN 60598-2-24           Warranty         5 years         ELETRICAL AND LIGHTING FEATURES         EN 60598-1; EN 60598-2-2; EN 60598-2-24           Worranty         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           Operating temperature         -30 °C + +50 °C         Supply voltage         220 - 240 V           Operating temperature         -30 °C + +50 °C         Supply voltage         220 - 240 V           Operating temperature         -96 °Halogen Free" loaded fibreglass         Driver Included         Oriver failure rate         F10=70.000h Tq25°C/35.000h Tq50°C           Shield type         PA6 "Halogen Free" loaded fibreglass         Driver failure rate         F10=70.000h Tq25°C/35.000h Tq50°C         Control System         Ove	Unique digital code (Datamatrix)	) Datamatrix		147
System power         125 W LED Lifetime         Standard Deviation Colour Matching         SDCM = 3 Deviation           LED Lifetime         L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h         Photobiological Risk Class         RG0           Weight (kg)         6.5         Standard         EN 60598-1; EN 60598-2-1; EN 60598-2-1; EN 60598-2-24           Warranty         5 years         ELETRICAL AND LIGHTING FEATURES         - 2.24           Stocking temperature         -40 +70°C         Supply voltage         220 - 240 V           Operating temperature         -30°C + +50°C         Rated frequency (Hz)         50/60 Hz           Body         PA6 "Halogen Free" loaded fibreglass         Driver         Driver         Included           Body         PA6 "Halogen Free" loaded fibreglass         Driver failure rate         F10=70.000h Tq25°C/35.000h 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         DW 6 kV / CM 10 kV         Overvoltage protection         DW 6 kV / CM 10 kV         Overvoltage protection         DW 6 kV / CM 10 kV         Overvoltage protection         With	Colour	Grey RAL 7035	Colour temperature	4000 K
LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h (Tq50°C) (Tq50°C)=100.000h (Tq50°C)=100.000h (Tq50°C)=100.000h (Tq50°C) (Tq50°C)=100.000h (Tq	Type of light source	LED	Colour Rendering Index	CRI>80
LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h (Tq	System power	125 W	Standard Deviation Colour Matching	SDCM = 3
Marranty   S years   Stocking temperature   -40 +70 °C   Supply voltage   220 - 240 V	LED Lifetime			RG0
Stocking temperature	Weight (kg)	6.5	Standard	
Operating temperature -30°C ÷ +50 °C Rated frequency (Hz) 50/60 Hz  MATERIALS - Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Shield type PA6 "Halogen Free" loaded fibreglass Shield type Metallic PC reflector and PMMA lenses Gasket anti-aging silicone Locking Hook Acres Stainless steel Colour Grey RAL 7035 Grey RAL 7035  Tanbards And Approvals Classification Grey RAL 7035 Device with reduced surface temperature DIN 18032-3 certification Available (under certain installation conditions) IPEA Available (under certain installation Insulation Celegre IP65 Metallic PC reflector and PMMA lenses Control System ON / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / OFF (And 10 kV) Optic Metallic PC reflector and PMMA lenses Control System On / Optic Particle Professional Division of the Victor of Particle Professional Division of Priver Box Ontrol System On / Optic Power Particle Priver Box Professional Division Divisio	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
MATERIALS         Driver         Included           Body         PA6 "Halogen Free" loaded fibreglass         Driver failure rate         F10=70.000h Tq25°C/35.000h Tq50°C           Shield type         PMMAD         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           External screw         Stainless steel         Mounting and installation         Ceiling - Wallmounting - Suspension           External screw         Grey RAL 7035         Wiring         With GW connect watertight connector           STANDARDS AND APPROVALS         Fixing         -           Classification         Using type certain installation conditions         Control gear replaceability         By professional           DIN 18032-3 certification         Available (under certain installation conditions)         Driver Box         Built-in           IPEA         Maximum surface exposed to the wind         0,184 m²           Insulation class         I         Maximum surface exposed to the wind         0,184 m²           IPe degree         IP65         Maximum surface exposed to the wind         0	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
Body PA6 "Halogen Free" loaded fibreglass Shield type PMMA Optic Metallic PC reflector and PMMA lenses Gasket anti-aging silicone Locking Hook Stainless steel Colour Stainless steel Classification PANDADARDS AND APPROVALS Fixing With GW connect watertight connector STANDARDS AND APPROVALS Fixing With reduced surface temperature Poevice with reduced surface temperature 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 I I Insulation class I I IP65 Mechanical resistance I IR07  Mechanical resistance I IK07  Driver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Overvoltage protection Diver failure rate F10=70.000h Tq25°C/35.000h Tq50°C Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection DM 6 kV / CM 10 kV Control System Overvoltage protection	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 Locking Hook - Stainless steel Colour 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 Insulation Celling - Wallmounting - Suspension With GW connect watertight connector Fixing With GW connect watertight connector Fixing - Controlgear replaceability By professional Driver Box Built-in Conditions  IPEA - Maximum surface exposed to the wind O,184 m² Insulation class I I IP degree IP65 - Mechanical resistance IK07	MATERIALS	-	Driver	Included
Optic         Metallic PC reflector and PMMA lenses         Control System         ON / OFF           Gasket         anti-aging silicone         INSTALLATION AND MAINTENANCE         -           Locking Hook         -         Mounting and installation         Ceiling - Wallmounting - Suspension           External screw         Stainless steel         Tilt         With GW connect watertight connector           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         0,184 m²           Insulation class         1         Maximum surface exposed to the wind         0,184 m²           IPe degree         IP65         -         -           Mechanical resistance         IK07         -         -	Body	PA6 "Halogen Free" loaded fibreglass	Driver failure rate	F10=70.000h Tq25°C/35.000h Tq50°C
Gasket anti-aging silicone 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 DIN 18032-3 certification Available (under certain installation conditions)  IPEA - Maximum surface exposed to the wind Insulation class I I IP degree IP65 Mechanical resistance  INSTALLATION AND MAINTENANCE - Mounting and installation Claif III With bracket accessory Wiring With GW connect watertight connector String - Controlgear replaceability By professional Driver Box Built-in  Maximum surface exposed to the wind 0,184 m² Insulation class I I IP degree IP65 - Mechanical resistance	Shield type	PMMA	Overvoltage protection	DM 6 kV / CM 10 kV
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 IPE6 Segment Please IPE6 Segment	Optic	Metallic PC reflector and PMMA lenses	Control System	ON / OFF
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     0,184 m²       Insulation class     I     I       IP degree     IP65     -       Mechanical resistance     IK07     -	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
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 0,184 m² Insulation class I I IP66 Fedgree IP65 Fedgree IR67 Fedgre	Locking Hook	-	Mounting and installation	Ceiling - Wallmounting - Suspension
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     0,184 m²       Insulation class     I     -       IP degree     IP65     -       Mechanical resistance     IK07     -	External screw	Stainless steel	Tilt	With bracket accessory
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     0,184 m²       Insulation class     I     -       IP degree     IP65     -       Mechanical resistance     IK07     -	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  Yes Controlgear replaceability Driver Box Maximum surface exposed to the wind O,184 m² Maximum surface exposed to the wind O,184 m² Is degree IP65 IP65 IP65 IP65 IP65 IP65 IP65 IP66 IP67 IP69 IP68 IP68 IP68 IP68 IP68 IP68 IP68 IP68	STANDARDS AND APPROVALS		Fixing	-
DIN 18032-3 certification Available (under certain installation conditions)  IPEA Insulation class IP6 Mechanical resistance  Available (under certain installation conditions)  Driver Box  Built-in  Maximum surface exposed to the wind  0,184 m²  Maximum surface exposed to the wind  1 IP6  Maximum surface exposed to the wind  1 IP6  1 IP65	Classification	-	Light souce replaceability	By professional
conditions)           IPEA         -         Maximum surface exposed to the wind         0,184 m²           Insulation class         I         -           IP degree         IP65         -           Mechanical resistance         IK07         -	Device with reduced surface ten	nperature 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	F	-
Mechanical resistance IK07 -	IP degree	IP65		-
	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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