

Product Data Sheet GWS4220CH840

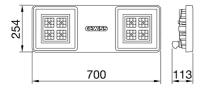
SMART [4]



Smart [4] HT is the series of LED indoor appliances suitable for the food industry, production areas or warehouses where critical temperatures develop. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with venting and anti-condensation device, aluminium alloy heat dissipation device EN AB 44300. It is equipped with a dual optical system that includes a metallic reflector with ARRAY optics and a metallic reflector with UV-stabilised, high-efficiency PMMA lenses, which allow a wide variety of 60°, 90° and Elliptical light distributions. Operating temperature range "Ta" between -30°C and + 60°C. Suspension, wall and projection appliances can be installed. It is available with three types of Colour Temperature (4000K / 5700K), Color Rendering Index CRI>80 and ON/OFF power supply.

ContextLogistics and industrial manufacturing lightingOptic60°LuminarieLED industrial ReflectorUnified Glare RatingUGR 5.22ApplicationInternalLumen output (Im)15400Unique digital code (Datamatrix)DatamatrixEfficacy (Im/W)162ColourGrey RAL 7035Colour temperature4000 KType of light sourceLEDColour temperature4000 KSystem power95 WSStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90810(Tq25*C)>150.000h; L90810Photobiological Risk ClassRG0Weight (kg)6.5Standard Deviation Colour MatchingSDCM = 3Waranty5 yearsELETRCAL AND LIGHTING FEATURES-0Operating temperature-40 + 70 °CSupply voltage220 - 240 VOperating temperature-30°C + 40°CRated frequency (Hz)S060 HzMATERALS-Driver failure rateF10=100.000 hTq25*C/50.000 hTq05Sheld typeTempered glass Thickness 4mmOvervoltage protectionDM 6V/ CM 10 kVOpticMetallic PC reflector and PMMA lensesControl SystemON / OFFGasketanti-aging siliconeInstallationCeiling - Wailmounting - Suspersional-Locking Hook-FixingClassificationGrey RAL 7035WiringWith GW connect watertight connectorColour temperatureYear Stanbards cereplaceabilityBy professionalDivi failure rateF10=100.000 hTq25*C/50.000 htg0	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
Application Internal Lumen output (lm) 15400 Unique digital code (Datamatrix) Datamatrix Efficacy 162 Colour Grey RAL 7035 Colour temperature 4000 K Type of light source LED Colour temperature 4000 K System power 95 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000h Photobiological Risk Class EN 60598-1; EN 60598-2.1; EN 60598-2.24 Waranty 5 years Standard ELTRICAL AND LIGHTING FEATURES - Volget (twp) - Supply voltage 22.0 -240 V Operating temperature -30°C ++60 °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 Tq60°C Shield type Tempered glass Thickness 4mm Overvoltage protection DM & & K / CM 10 kV Optic Metallic PC reflector and PMA lenses - - Colour Grey RAL 7035 Witing uniting and installation Celling - Wallmounting - Suspension	Context		Optic	60°
Unique digital code (Datamatrix) Datamatrix Effects/generative 162 Colour Grey RAL 7035 Colour Rendering Index CRI>80 System power 95 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 Photobiological Risk Class RG0 Weight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -40 +70 °C Supply voltage 220 - 240 V Operating temperature -30°C + 60 °C Rade frequency (Hz) 50/60 Hz Shield type Padematrix Overvoltage protection Mot KV Overvoltage protection Optic Metallic PC reflector and PMMA lenses Control System OV / OFF - Gasket anti-aging silicone - Mounting and installation Ceiling - Waltmounting - Suspension External screw Stainless steel Tilt Wing With GW connect watertight connector Clour Grey RAL 7035 - Fixing - - Clour Grey RAL 7035 Wing	Luminaire	LED Industrial Reflector	Unified Glare Rating	UGR ≤ 22
Colour Grey RAL 7035 Colour temperature 4000 K Type of light source LED Colour Rendering Index CRI>80 System power 95 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)=150.000h; L90B10 Photobiological Risk Class RG0 Warranty 6.5 Standard Deviation Colour Matching SDCM = 3 Varranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -40 +70 °C Supply voltage 220 - 240 V Operating temperature -30°C + 60 °C Rated frequency (Hz) 50/60 Hz Body PA6 "Halogen Free" loaded fibreglass Driver Included Optic Metallic PC reflector and PMMA lenses Overvoltage protection DM 6 KY / CM 10 kV Gasket anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook - Tilt With GW connect watertight connector Colour Grey RAL 7035 Wiring With GW connect watertight connector Diver with reduced surface temperature - Control System - Colour Grey RAL 7035 Wir	Application	Internal	Lumen output (Im)	15400
Type of light sourceLEDColour Rendering IndexCRI>80System power95 WStandard Deviation Colour MatchingSDCM = 3LED LifetimeL90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000hPhotobiogical Risk ClassRG0Weight (kg)6.5StandardEN 60598-1; EN 60598-2: 1; EN 60598-2: 24StandardWarranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-30°C + +60 °CSupply voltage220 - 240 VOperating temperature-30°C + +60 °CRated frequency (Hz)50/60 HzBodyPA6 "Halogen Free' loaded fibreglassDriver failure rateF10=100.00h Tq25°C/S000 Hq60°CShield typeTempered glass Thickness 4mmOverroltage protectionDM 6 kV / CM 10 kVOpticMetallic PC reflector and PMMA lensesControl SystemON / OFFLocking Hook-Mounting and installationCeiling - Wallmounting - SuspensionLocking Hook-TitWith GW connect watertight connectorColourGrey RAL 7035WiringWith GW connect order of the social science of the socia	Unique digital code (Datamatrix)	Datamatrix		162
System power 95 W Standard Deviation Colour Matching SDCM = 3 LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000h Photobiological Risk Class RG0 Weight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Weight (kg) 6.5 Standard Deviation Colour Matching RG0 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -40 +70 °C Supply voltage 220 - 240 V Operating temperature -30°C + 460 °C Rated frequency (Hz) 50/60 Hz - Body PA6 "Halogen Free" loaded fibreglass Driver Included Driver failure rate F10=100.000h Tq25°C/50.000h Tq60°C Overvoltage protection DM 6 kV / CM 10 kV Control System ON / OFF Gasket anti-aging silicone - Mounting and installation Celling - Wallmounting - Suspension ON / OFF Classification Grey RAL 7035 Wiring With bracket accessory - Classification Certrolicear replaceability By professional - Device with reduced surface temperature Yees Controlgear replaceability Built-in	Colour	Grey RAL 7035	Colour temperature	4000 K
LED Lifetime L90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000h Photobiological Risk Class RG0 Weight (kg) 6.5 Standard EN 60598-1; 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 + +60 °C Rated frequency (Hz) 50/60 Hz MATERIALS Driver failure rate F10=100.000h Tq25°C/50.000h Tq80°C Driver failure rate F10=100.000h Tq25°C/50.000h Tq80°C Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6 kV / CM 10 kV Control System ON / OFF Gasket anti-aging silcone INSTALLATION AND MAINTENANCE - - - Colour Grey RAL 7035 Wiring With GW connect watertight connector - - Classification - - Fixing - - - Device with reduced surface temperature Certrol gear replaceability By professional Driver Box Built-in Device with reduced surface temperature Yeas - - - -	Type of light source	LED	Colour Rendering Index	CRI>80
Weight (kg) 6.5 Standard EN 60598-1; EN 60598-2:1; EN 60598-2:1; EN 60598-2:1; EN 60598-2:4 Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -40 +70 °C Supply voltage 220 -240 V Operating temperature -30°C + 40 °C Rated frequency (Hz) 5000 Hz MATERIALS - Driver Included Body PA6 "Halogen Free" loaded fibreglass Driver raliure rate F10=100.000h Tq25°C/50.000h Tq60°C Shield type Tempered glass Thickness 4mm 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 - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension Colour Grey RAL 7035 Wiring With bracket accessory Classification - Fixing - Device with reduced surface temperature Yeas Controlgear replaceability By professional Diver Box Itight souce replaceability By professional Driver Box Built-in <td>System power</td> <td>95 W</td> <td>Standard Deviation Colour Matching</td> <td>SDCM = 3</td>	System power	95 W	Standard Deviation Colour Matching	SDCM = 3
Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -40 +70 °C Supply voltage 220 - 240 V Operating temperature -30°C + +60 °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 Tq60°C Shield type Tempered glass Thickness 4mm 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 - Locking Hook - Mounting and installation Ceiling - Wailmounting - Suspension Colour Grey RAL 7035 Wiring With Bracket accessory Colour Grey RAL 7035 Wiring By professional Device with reduced surface temperature Yeas Controlgear replaceability By professional DIN 18032-3 certification Available (under certain installation conditions) Driver Box Bullt-in IPEA - Maximum surface exposed to the wind 0,184 m²	LED Lifetime		Photobiological Risk Class	RG0
Stocking temperature-40 +70 °CSupply voltage220 - 240 VOperating temperature-30°C ÷ +60 °CRated frequency (Hz)50/60 HzMATERIALS-DriverIncludedBodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10=100.00h Tq25°C/50.00h Tq60°CShield typeTempered glass Thickness 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticMetallic PC reflector and PMMA lensesControl SystemOvervoltage protectionLocking Hook-Mounting and installationCeiling - Wallmounting - SuspensionLocking HookMounting and installationCeiling - Wallmounting - SuspensionColourGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,184 m²Insulation classI1IP degreeIPf6Mechanical resistanceIK08	Weight (kg)	6.5	Standard	
Operating temperature-30°C + +60 °CRated frequency (Hz)50/60 HzMATERIALS-DriverIncludedBodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10=100.000h Tq25°C/50.000h Tq60°CShield typeTempered glass Thickness 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticMetallic PC reflector and PMMA lensesControl SystemON / OFFGasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControl gear replaceabilityBy professionalDIN 18032-3 certificationMaximum surface exposed to the wind0,184 m²Insulation class1Insulation class1IPe degreeIP66Mechanical resistanceIK08	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 Tq60°C Shield type Tempered glass Thickness 4mm 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 - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension External screw Stainless steel Tilt With bracket accessory Colour Grey RAL 7035 Wiring With GW connect watertight connector STANDARDS AND APPROVALS - Fixing - Device with reduced surface temperature Yes 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 IP66 - IP degree IP66 - -	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
BodyPA6 "Halogen Free" loaded fibreglassDriver failure rateF10=100.000h Tq25°C/50.000h Tq60°CShield typeTempered glass Thickness 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticMetallic PC reflector and PMMA lensesControl SystemON / OFFGasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith bracket accessoryColourGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Device with reduced surface temperatureYesControlgear replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxBuilt-inIPEAMaximum surface exposed to the wind0,184 m²Insulation classIIK08	Operating temperature	-30°C ÷ +60 °C	Rated frequency (Hz)	50/60 Hz
Shield typeTempered glass Thickness 4mmOvervoltage protectionDM 6 kV / CM 10 kVOpticMetallic PC reflector and PMMA lensesControl SystemON / OFFGasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith GW connect watertight connectorColourGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControl gear replaceabilityBuilt-inIPEA-Maximum surface exposed to the wind0,184 m²Insulation classIIIP degreeIP66Mechanical resistanceIK08	MATERIALS	-	Driver	Included
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Gasket anti-aging silicone INSTALLATION AND MAINTENANCE - Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension 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 - - IP degree IP66 - - Mechanical resistance IK08 - -	Shield type		Overvoltage protection	DM 6 kV / CM 10 kV
Locking Hook - Mounting and installation Ceiling - Wallmounting - Suspension 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 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 - - IP degree IP66 - - Mechanical resistance IK08 - -		Metallic PC reflector and PMMA lenses		ON / OFF
External screwStainless steelTiltWith bracket accessoryColourGrey RAL 7035WiringWith GW connect watertight connectorSTANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDevice with reduced surface temperatureYesControlgear replaceabilityBy professionalDIN 18032-3 certificationAvailable (under certain installation conditions)Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,184 m²Insulation class1IP degreeIP66-Mechanical resistanceIK08-	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
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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 - - IPeaeree IP66 - - Mechanical resistance IK08 - -				
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 IP66 - Mechanical resistance IK08 -		Grey RAL 7035	0	With GW connect watertight connector
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 IP66 - Mechanical resistance IK08 -		-		-
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Insulation class I - IP degree IP66 - Mechanical resistance IK08 -	DIN 18032-3 certification		Driver Box	Built-in
IP degree IP66 - Mechanical resistance IK08 -	IPEA	-	Maximum surface exposed to the wind	0,184 m²
Mechanical resistance IK08 -	Insulation class			-
	IP degree	IP66		-
Glow Wire Test 850 °C -	Mechanical resistance	IK08		_
	Glow Wire Test	850 °C		-

DIMENSIONAL



TECHNICAL SYMBOLOGY









cd/klm

Data, measures, designs and pictures are for information purpose only, last update 28/04/2024. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C. Terms of warranty at https://www.gewiss.com/it/en/company/landingpage/led-warranty. - 1 of 2

PHOTOMETRIC DISTRIBUTION

200

200

400

600

1000

IP

IP66



STANDARDS/APPROVALS

Product Data Sheet GWS4220CH840

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