

Product Data Sheet GWS4220CP840

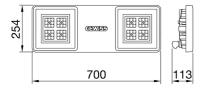
SMART [4]



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 lightingOptic90°LuminarieLED industrial ReflectorUnified Glare RatingUGR 5.22ApplicationInternalLumen output (Im)15400Unique digtal code (Datamatrix)DatamatrixEfficacy (Im/W)162ColourGrey RAL 7035Colour temperature4000 KType of light sourceLEDColour temperature4000 KSystem power90°SDCM3LED LifetimeL9010(Tq25°C)>f50.000h; L90810Photobiological Risk ClassRG0Weight (kg)6.5Standard Deviation Colour MatchingSDCMOperating temperature400 +70°CSupply voltage220 - 240 VOperating temperature-400 +70°CSupply voltage220 - 240 VOperating temperature-30°C + 40°CRated frequency (Hz)S060H HzMATERIALS-Driver failure rateF10=100.000h Tq25°C/50.000h Tq60°CShocking temperature-30°C + 40°CRated frequency (Hz)S060H HzMATERIALS-Driver failure rateF10=100.000h Tq25°C/50.000h Tq60°CShocking HongeratureStandard DevisitionCeiling - Wailmounting - SuspensionColourMatellicPC reflector and PMMA lensesOntrol SystemColourGrey RAL 7035Warnage protectionDM 6KV / CM 10 kVStandardGrey RAL 7035WingWith GW connect watertight connectorColourGrey RAL 7035WingWith GW connect watertight connectorColourGrey RAL	GENERAL INFORMATION	-	OPTIC AND ILLUMINATING FEATURES	-
ApplicationInternal Unique digital code (Datamatrix)Internal DatamatrixLumen output (Im)15400Unique digital code (Datamatrix)DatamatrixEfficacy (ImW)162ColourGrey RAL 7035Colour temperature4000 K (ImW)ColourGrey RAL 7035Colour temperature4000 K (ImW)System power95 WStandard Deviation Colour MatchingSDCM = 3 (R60LEDLIED LifetimeL90B10(Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000hPhotobiological Risk ClassEN 60598-1; EN 60598-2-1; EN 60598-2-24Warranty5 yearsStandardEL ETRICAL AND LIGHTING FEATURES- 60598-2-24Varranty5 yearsELETRICAL AND LIGHTING FEATURES- 600598-2-24Voperating temperature-30°C ++60 °CRated frequency (Hz)50/60 Hz 50/60 HzMATERIALS- DriverDriverIncludedBodyPA6 "Halogen Free" loaded fibreglass Orivor failure rateF10=100.000h Tq25°C/50.000h Tq60°CShield typeTempered glass Thickness 4mm Orivor failure rateOvervoltage protectionDM 6 kV / CM 10 kV OPriceColourGrey RAL 7035Witing an InstallationCeiling - Wallmounting - Suspension ON / OFF-Classification- Available (under certain installationCeiling - Wallmounting - Suspension ON / OFF-Classification- Available (under certain installationCeiling - Wallmounting - Suspension Control System-Diver Box- Coloure- ClassificationAvailable (under cer	Context		Optic	90°
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 Veight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Veight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Veight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Veight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Veight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Marterials - Stocking temperature -30°C + 60°C Stated requency (Hz) Stocking temperature -20 - 240 V Operating temperature -30°C + 60°C Rate frequency (Hz) Stocking temperature -100.000h Tq25°C/S0.000h Tq60°C Shield type Patemard Stockers Arm Overvoltage protection ON / OF Mounting and installation Ceiling - Wailmo	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)+150.0000h Photobiological Risk Class RGO Weight (kg) 6.5 Standard Deviation Colour Matching SDCM = 3 Varranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -30°C + +60 °C Supply voltage 220 - 240 V Operating temperature -30°C + +60 °C Supply voltage 220 - 240 V Materials Driver Included Driver Included Body PA6 "Halogen Free" loaded fibreglass Driver failure rate F10=100.000h Tq25°C/50.000h Tq60°C Sheld type Tempered glass Thickness 4mm Overvoltage protection DM kV / CM 10 kV Optic Metallic PC reflector and PMMA lenss Mounting and installation Ceiling - Wallmounting - Suspension Locking Hook - Tit With GW connect waterlight connector Glassification	Application	Internal	Lumen output (Im)	15400
Type of light sourceLEDColour Rendering IndexCRI>80System power95 WStandard Deviation Colour MatchingSDCM = 3LED LiftetimeL90B10((Tq25°C)>150.000h; L90B10 (Tq60°C)=60.000hPhotoiogical Risk ClassRG0Weight (kg)6.5StandardEN 60598-1; EN 60598-2:1; EN 60598-2:24SourceWarranty5 yearsELETRICAL AND LIGHTING FEATURES-Stocking temperature-30°C + 40°CSupply voltage220 - 240 VOperating temperature-30°C + 40°CRated frequency (Hz)50/60 HzBodyPA6 "Halogen Free" loaded fibreglassDriver railure rateF10=100.00h Tq25°C/S000h Tq60°COpticMetallic PC reflector and PMMA lensesOverroltage protectionDM 6 kV / CM 10 kVColourGrey RAL 7035WiringWith GW connect watertight connectorStandard SurfaceStainless steelTitWith bracket accessoryColourGrey RAL 7035WiringWith GW connect watertight connectorPolvic with reduced surface temperatureYesControl Gystem-ClassificationAvailable (under certain installationCeiling - With GW connect watertight connector-IPEAAvailable (under certain installationControl GystemBy professionalIPEAIPagreeIPa6IP degreeIP66IP degreeIP66	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 00598-2-1; EN 60598-2, 240 V Varranty 5 years ELETRICAL AND LIGHTING FEATURES - Stocking temperature -30°C + +60 °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 Shield type Tempered glass Thickness 4mm Overvoltage protection DM 6 kV / CM 10 kV Coptic Metallic PC reflector and PIMAH lenses Overvoltage protection ON / OFF Gasket anti-aging silicone INSTALLATION AND MAINTENANCE - Colour Grey RAL 7035 Wiring With bracket accessory Colour Grey RAL 7035 Wiring With GW connect with bracket accessory Colour Grey RAL 7035 Wiring By professional Device with reduced surface temperature Yee	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 Optic Metallic PC reflector and PMMA lenses Overvoltage protection DM 6 kV / CM 10 kV Colour Grey RAL 7035 Wiring With GW connect watertight connector Stainless steel INSTALLATION AND MAINTENANCE - - Colour Grey RAL 7035 Wiring With GW connect watertight connector DIN 18032-3 certification Available (under certain installation conditions) Fixing - IPEA - Light souce replaceability By professional Driver Box Built-in IPEA - IP66 - - IPEA - IP66	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 60598-2.1; EN 60598-2.21; 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 + 460 °C Rated frequency (Hz) 5000 Hz - MATERIALS - Driver Included - 1ncluded 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 Overvoltage protection 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 Yes Control gear replaceability By professional Device with reduced surface temperature	System power	95 W	Standard Deviation Colour Matching	SDCM = 3
Warranty 5 years ELETRICAL AND LIGHTING FEATURES - Warranty 60598-2-24 - 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=100.00hTq25°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 Classification - Light souce replaceability By professional Diver with reduced surface temperature Yeas Controlgear replaceability Bullt-in IPEA - Maximum surface	LED Lifetime		Photobiological Risk Class	RG0
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=100.00h 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 GW connect wateright connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional DIN 18032-3 certification - Maximum surface exposed to the wind 0,184 m² Insulation class I - Maximum surface exposed to the wind 0,184 m² IP Agree IP66 - - - - IP degre	Weight (kg)	6.5	Standard	
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 Celling - Wallmounting - Suspension External screw Stainless steel Tilt With GW connect waterlight connector STANDARDS AND APPROVALS - Fixing - Classification - Light souce replaceability By professional Device with reduced surface temperature Yes Control gear replaceability By professional IPEA - - Maximum surface exposed to the wind 0,184 m² Insulation class 1 - - - IPe degree IP66 - - - IPe degree IP66	Warranty	5 years	ELETRICAL AND LIGHTING FEATURES	-
MATERIALSDriverIncludedBodyPA6 "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 / OFFLocking Hook-InstALLATION 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 professionalDriver Box-Ontrol gear replaceabilityBy professionalInsulation class-1IPEA-Maximum surface exposed to the wind0,184 m²Insulation class-1IPegreeIP66Mechanical resistanceIK08	Stocking temperature	-40 +70 °C	Supply voltage	220 - 240 V
BodyPA6 "Halogen Free" loaded fibreglass Shield typeDriver failure rateF10=100.000h Tq25°C/50.000h Tq60°CShield typeTempered glass Thickness 4mm OpticOvervoltage protectionDM 6 kV / CM 10 kVOpticMetallic PC reflector and PMMA lenses GasketControl SystemON / OFFGasketanti-aging siliconeINSTALLATION AND MAINTENANCE-Locking Hook-Mounting and installationCeiling - Wallmounting - SuspensionExternal screwStainless steelTiltWith GW connect watertight connectorColourGrey RAL 7035Wiring-STANDARDS AND APPROVALS-Fixing-Classification-Light souce replaceabilityBy professionalDNI 18032-3 certificationAvailable (under certain installation conditions)Driver BoxBuilt-inIPEA-Maximum surface exposed to the wind0,184 m²Insulation classIIK08	Operating temperature	-30°C ÷ +60 °C	Rated frequency (Hz)	50/60 Hz
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 - Light souce replaceability By professional Device with reduced surface temperature Yes Control System Driver Box Built-in INSTALLATION and main surface exposed to the wind 0,184 m² - - IPEA IP66 - - IP degree IP66 - - Mechanical resistance IK08 - -	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 Dracket accessory Colour Grey RAL 7035 Wiring With GW connect watertight connect or 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 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 I - - IP degree IP66 - - Mechanical resistance IK08 - -		Metallic PC reflector and PMMA lenses		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 - - IP degree IP66 - Mechanical resistance IK08 -	Gasket	anti-aging silicone	INSTALLATION AND MAINTENANCE	-
Colour Grey RAL 7035 Wing 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 - -		-		
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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 IP degree IP66 - Mechanical resistance IK08 -		Grey RAL 7035		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 -		-		-
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 -		-		
IPEA - Maximum surface exposed to the wind 0,184 m² Insulation class I - - IP degree IP66 - - Mechanical resistance IK08 - -			0 1 7	
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		-

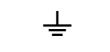
DIMENSIONAL



TECHNICAL SYMBOLOGY



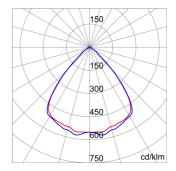






Data, measures, designs and pictures are for information purpose only, last update 30/04/2024. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 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



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IP66



STANDARDS/APPROVALS

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