



Smart [4] UL is the series of indoor LED lighting devices suitable for lighting of industries and sports facilities. Three different sizes available: 1M, 2M and 4M. The body is made of nylon "Halogen-free" loaded with gray fiberglass (RAL7035) with venting and anti-condensation device, aluminum 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 the UV, high efficiency, which allow two different light distributions 60° and 90°. The electrical connection will be via 3x16 AWG tear-proof cable coming out of the product via a PG13.5 plastic cable gland UL certified. Industrial reflector is UL certified UL (UL 1598 - CSA C22.2 No. 250.0-18). 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 ON/OFF power supply.

GENERAL INFORMATION

Context	Logistics and industrial manufacturing lighting
Luminaire	LED Industrial Reflector
Application	Internal
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 7035
Type of light source	LED
System power	129 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h
Weight (kg)	6.5
Warranty	5 years
Stocking temperature	-
Operating temperature	-25°C ÷ +40 °C

MATERIALS

Body	PA6 "Halogen Free" loaded fiberglass
Shield type	Tempered glass Thickness 4mm
Optic	Metallic PC reflector and PMMA lenses
Gasket	anti-aging silicone
Locking Hook	-
External screw	Stainless steel
Colour	Grey RAL 7035

STANDARDS AND APPROVALS

Classification	-
Device with reduced surface temperature	Yes
DIN 18032-3 certification	Available (under certain installation conditions)
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08
Glow Wire Test	850 °C

OPTIC AND ILLUMINATING FEATURES

Optic	60°
Unified Glare Rating	UGR ≤ 22
Lumen output (lm)	19800
Efficacy (lm/W)	153
Colour temperature	5700 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0

ELECTRICAL AND LIGHTING FEATURES

Supply voltage	120-277 V
Rated frequency (Hz)	50/60 Hz
Driver	Included
Driver failure rate	F10=100.000h Tq25°C/50.000h Tq40°C
Overvoltage protection	DM 6 kV / CM 10 kV
Control System	ON / OFF

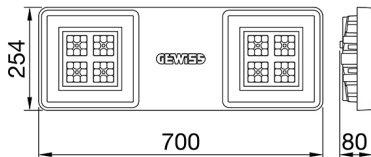
INSTALLATION AND MAINTENANCE

Mounting and installation	Ceiling - Wallmounting - Suspension
Tilt	With bracket accessory
Wiring	Single wiring with anti-breathing cable exiting metallic PG (NO Connector)

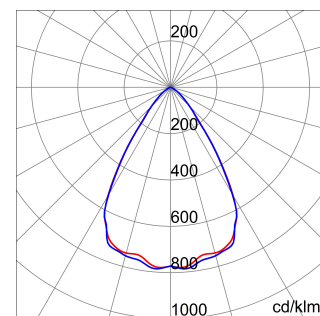
Fixing	-
Light source replaceability	By professional
Controlgear replaceability	By professional
Driver Box	Built-in

Maximum surface exposed to the wind	0,184 m²
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DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP66

IK
IK08

GWT
850 °C



Product Data Sheet
GWS4220GH857

SMART [4]

STANDARDS/APPROVALS

