

SMART [4]



Smart [4] ATEX is the series of LED indoor lighting appliances ideal for use in areas where flammable gases, vapours and dust are present. Two different sizes available: 1M, 2M. 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 stabilized PMMA lenses, with high efficiency, which allow a wide variety of 60°, 90° and asymmetric light distributions. The electrical connection is via a 3x1.5 mm² H07RN-F cable with anti-condensation device exiting the product via a PG13.5 ATEX certified metal cable gland. The industrial reflector is certified ATEX II 3 G Ex nR IIC T6 Gc - II 3 D Ex tc IIIC T65°C Dc. 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.

GENERAL INFORMATION

Context	Logistics and industrial manufacturing lighting
Luminaire	LED Industrial Reflector
Toepassing	Intern
Unique digital code (Datamatrix)	Datamatrix
Kleur	Grijs RAL 7035
Type lichtbron	LED
System vermogen	127 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10(Tq40°C)=140.000h
Gewicht (kg)	6
Garantie	5 jaar
Opslagtemperatuur	-40 +70 °C
Operating temperature	+5°C + +40 °C

OPTIC AND ILLUMINATING FEATURES

Optiek	90°-
Unified Glare Rating	UGR ≤ 25
Lumen-vermogen (lm)	19800
Efficacy (lm/W)	156
Kleur temperatuur	5700 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0
Standaard	EN 60079-0 ; EN 60079-15 ; EN 60079-31 ; EN 60598-1 ; EN 60598-2-1

MATERIALS

Body	PA6 "Halogen Free" loaded fibreglass
Type plaat	Tempered glass Thickness 4mm
Optic	Metallic PC reflector and PMMA lenses
Gasket	anti-aging silicone
Locking Hook	-
External screw	Roestvrij staal
Colour	Grijs RAL 7035

ELETRICAL AND LIGHTING FEATURES

Voedings-spanning	220 - 240 V
Nominale frequentie (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)

STANDARDS AND APPROVALS

Classificering	ATEX: II 3 G Ex nR IIC T6 Gc - II 3 D Ex tc IIIC T65°C Dc
Toestel met verlaagde oppervlaktetemperatuur	Ja
DIN 18032-3-certificering	Available (under certain installation conditions)
IPEA	-
Isolatie-klasse	I
IP-graad	IP66
Stoot-bestendigheid	IK08
Glow Wire Test	850 °C

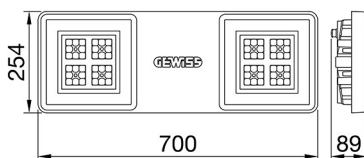
Bevestiging

Light souce replaceability	By professional
Controlgear replaceability	By professional

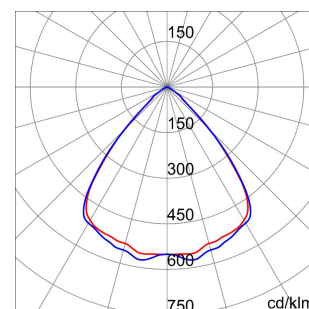
Driver Box

Maximum surface exposed to the wind	0,184 m ²
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DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



SMART [4]

TECHNICAL SYMBOLOGY




0,184 m²



IP
IP66

IK
IK08

GWT
850 °C

STANDARDS/APPROVALS

**UK
CA**

