

### SMART[4] Special versions



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 mm<sup>2</sup> 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
Aplicație	Internă
Unique digital code (Datamatrix)	Datamatrix
Culoare	Gri RAL 7035
Tip sursă de lumină	LED - Neînlocuibil
Puterea sistemului	64 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10(Tq40°C)=140.000h
Greutate (Kg)	3.5
Garanție	5 ani
Temperatură de stocare	-40 +70 °C
Operating temperature	+5°C + +40 °C

#### MATERIALS

Body	PA6 "Halogen Free" loaded fibreglass
Ecran	Tempered glass Thickness 4mm
Optic	Metallic PC reflector and PMMA lenses
Gasket	anti-aging silicone
Locking Hook	-
External screw	Oțel
Colour	Gri RAL 7035

#### STANDARDS AND APPROVALS

Clasificare	ATEX: II 3 G Ex nR IIC T6 Gc - II 3 D Ex tc IIIC T65°C Dc
Dispozitiv cu temperatură la suprafață redusă	Da
Certificare DIN 18032-3	-
IPEA	-
Clasă izolație	I
Clasă de protecție IP	IP66
Cod IK	IK08
Glow Test conductori	850 °C

#### OPTIC AND ILLUMINATING FEATURES

Optică	90°
Unified Glare Rating	UGR ≤ 25
Lumină ieșire (lm)	9100
Efficiency (lm/W)	142
Culoare Temperatură	4000 K
Color Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0
Standard	EN 60079-0 ; EN 60079-15 ; EN 60079-31 ; EN 60598-1 ; EN 60598-2-1

#### ELECTRICAL AND LIGHTING FEATURES

Tensiune de alimentare	220 - 240 V
Frecvență nominală (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

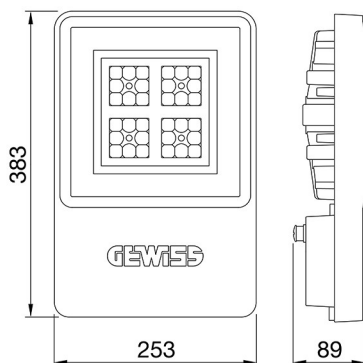
#### INSTALLATION AND MAINTENANCE

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

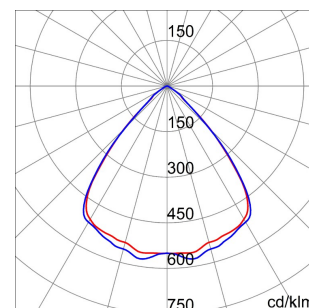
#### Prindere

Optic Maintenance	Non-replaceable
LED Maintenance	Non-replaceable
Driver Box	Integrat
Suprafață maximă expusă la vânt	0,097 m <sup>2</sup>
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	-
	-
	-

### DIMENSIONAL



### PHOTOMETRIC DISTRIBUTION



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### TECHNICAL SYMBOLOGY



**IP**  
IP66

**IK**  
IK08

**GWT**  
850 °C

### STANDARDS/APPROVALS

