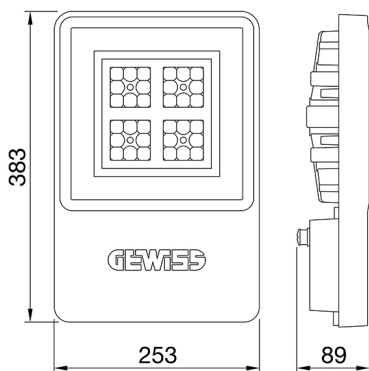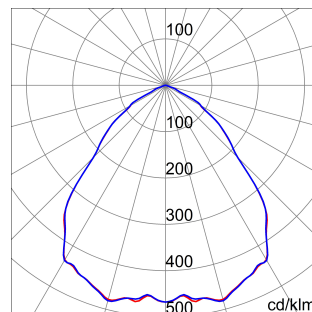Smart [4] ATEX is the series of LED indoor lighting appliances ideal for use in areas where flammable gases, vapours and dust are present. Two different sizes available: 1M, 2M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with venting and anti-condensation device, 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 ² 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 2 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
Application	Internal
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 7035
Type of light source	LED
System power	64 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq40°C)=140.000h
Weight (kg)	3.5
Warranty	5 years
Stocking temperature	-40 +70 °C
Operating temperature	+5°C ÷ +40 °C
MATERIALS	-
Body	PA6 "Halogen Free" loaded fibreglass
Shield type	Tempered glass Thickness 4mm
Optic	Metallized polycarbonate reflector
Gasket	anti-aging silicone
Locking Hook	-
External screw	Stainless steel
Colour	Grey RAL 7035
STANDARDS AND APPROVALS	-
Classification	ATEX: II 3 G Ex nR IIC T6 Gc - II 3 D Ex tc IIIC T65°C Dc
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	Array
Unified Glare Rating	-
Lumen output (lm)	9900
Efficacy (lm/W)	155
Colour temperature	5700 K
Colour 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
ELETRICAL AND LIGHTING FEATURES	-
Supply voltage	220 - 240 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 souce replaceability	By professional
Controlgear replaceability	By professional
Driver Box	Built-in
Maximum surface exposed to the wind	0,097 m²
	-
	-
	-
	-

DIMENSIONAL

PHOTOMETRIC DISTRIBUTION

TECHNICAL SYMBOLOGY

			IP	IK	GWT
0,097 m²			IP66	IK08	850 °C

STANDARDS/APPROVALS