

# FUMAT

Tube ø133 for high-ceilinged ATEX zone 2,21,22 atmospheres



Sammode



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Light yet sturdy, FUMAT is the ideal alternative to bulky and expensive ATEX floodlights. Guaranteed for 8 years even when used at 50°C, 24/7, it comes with a high-reliability LED motor and long service life, and is equipped with directional optics suited to great heights. Its weight is greatly reduced thanks to the smart choice of ATEX protection modes. Very simple to install, it is - like any Sammode luminaire - perfectly watertight and 100% removable and repairable. FUMAT: THE solution for great heights in explosive atmospheres.



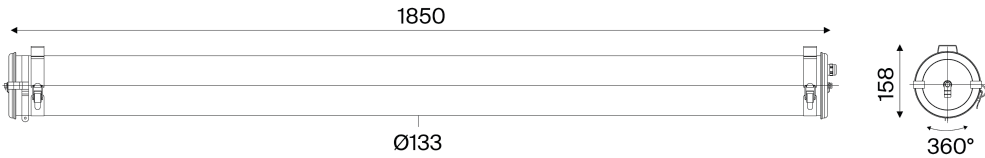


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## 2 cable glands version

CRI80, 4000K, elliptical beam, ideal for high-ceilinged spaces

Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
133	11100	1850	FUM133 26H840 POME 213 BRS	19890150	75

One-piece housing, impervious to vibrations, 100% removable (Screw system). Marking II 3G Ex ec IIC T4 Gc - II 2D Ex tb IIIC T70°C Db IP66/IP68.

## 1 cable gland version

CRI80, 4000K, elliptical beam, ideal for high-ceilinged spaces

Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
133	11100	1850	FUM133 26H840 POME 113 BRS	19890152	75

One-piece housing, impervious to vibrations, 100% removable (Screw system). Marking II 3G Ex ec IIC T4 Gc - II 2D Ex tb IIIC T70°C Db IP66/IP68.

## Atex disconnectable cable

HO7-RNF pre-wired with a Marechal® PNCX plug. Order separately for this service.



Cord length (m)	Designation	Code
0,1	CABL HO7RNF-BK ATEX-PLUG 0.1M 3G1.5	CAB0141
1	CABL HO7RNF-BK ATEX-PLUG 1M 3G1.5	CAB0130
3	CABL HO7RNF-BK ATEX-PLUG 3M 3G1.5	CAB0143

Male IP67/IP69 5A 250V end connectors + free female connector supplied, Ø10-14 mm. Marking II 2 G D Ex eb IIC T6 Gb - Ex tb IIIC T72 °C Db.

## Options

Cable entry	Fixing straps	Color temperature
		3000K 830 4000K 840
<b>1 cable gland</b>		
Polyamide capacity Ø8-13 mm 113	Reinforced fixing straps BRS	
Polyamide capacity Ø10-15 mm 116	Reinforced fixing straps with HSHC screw BRV	
Nickel-coated brass capacity Ø5-14 mm 113LN		
<b>2 cable glands including one blind plug</b>		
Polyamide capacity Ø8-13 mm 213	Polycarbonate housing PO	
Polyamide capacity Ø10-15 mm 216	Coextruded polycarbonate/ PMMA housing with high chemical resistance POME	
Nickel-coated brass capacity Ø5-14 mm 213LN	End caps & fixing straps 304L stainless steel -	
	End caps & fixing straps 316L stainless steel MR	

## Accessories

To be ordered separately



HO7-RNF pre-wired cable with an IP67/69 Marechal® PNCX Atex disconnectable plug

Several length available (6m max), 3 or 5 conductors : consult us





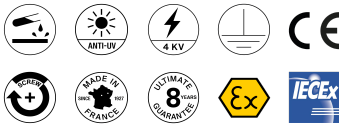
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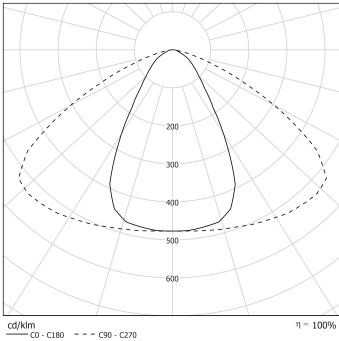


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Specification



Photometry



Technical characteristics	
Light source	High-efficiency removable LED module (CRI>80, 3 SDCM) 70 000 h L80/B10 at max. operating temperature
Optics	Intensive linear lens (elliptical) for high-ceilinged spaces
Heat management	Aluminium heat sink
Control gear	High reliability constant current output driver, mechanically and thermally reinforced. Resistance to overload: 320 V AC, 48 h Supports voltage spikes < 4 kV Compatible with neutral TN, TT and IT arrangements with no limitations Electronic compatible with central source
Supply voltage	198-264V 0/50/60Hz
Electrical class	Class I
Operating temperature	-20°C to +50°C
Easy intallation and maintenance	
Connection	With ATEX polyamide cable gland for Ø8 to 13 mm cable 1 cable gland version : to a 3 x 2,5 mm² disconnectable terminal block 2 cable glands version : to 5x2,5mm² detachable double deck terminal block
Mounting	Attachement with 2 bolt-fitted stainless steel straps with variable center distance and 360° orientation
LED engine maintenance	Easily removable LED modules and driver Off-load opening in an explosive environment
Materials	
Housing	Special polycarbonate housing protected from UV, solvents, hydrocarbons and cleaning agents by a coextrusion of PMMA
End caps and fixing straps	304L stainless steel
Gaskets	Peroxide-cured EPDM
Method of construction	Housing in one piece with high mechanical and chemical resistance Long-lasting imperviousness by axial screw fitting
Standards	
ATEX / IECEx	IEC 60079-0, IEC 60079-15, IEC 60079-31
Marking	II 3G Ex ec IIC T4 Gc - II 2D Ex tb IIIC T70°C Db IP66/IP68
Waterproofness	IP66, IP68, IP69K
Resistance to IK shocks	IK10
Fire resistance	650°C
Vibration resistance	Meets the severe application requirements of standard EN 60598-1 (tested according to IEC 60068-2-6)