BOYLE Xtrem

Borosilicate glass tube ø100 and ø133 for extreme or highly corrosive ATEX zone 2, 21 and 22 atmospheres

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Designed for the most extreme environments, the BOYLE is the safest luminaire on the market for ATEX zones 2, 21 and 22. It offers the ultimate in robustness and impermeability, thanks to a one-piece housing protecting the electronics, impervious to high temperatures and high-risk electrical systems. Chemical resistance is guaranteed thanks to the use of uncompromising diffuser materials: IK07 borosilicate glass or IK10 co-extruded composite. The entire fitting is removable and repairable, because this too is what makes for a truly durable luminaire.
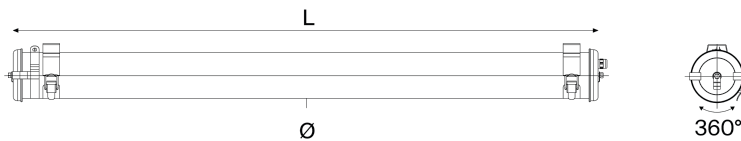
MADE IN FRANCE SINCE 1927

Ex Zone 2 21 - 22
IECEx

ULTIMATE 8 YEARS GUARANTEE

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Sammode

2 cable glands version
CRI80, 4000K

Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
100	1850	697	BOY100 12H840 PY 213 BRS	19835100	15
	2775	1007	BOY100 13H840 PY 213 BRS	19835200	23
	3700	1307	BOY100 14H840 PY 213 BRS	19835384	30
	4625	1607	BOY100 15H840 PY 213 BRS	19835300	37
133	5550	987	BOY133 23H840 PY 213 BRS	19845100	42
	7400	1287	BOY133 24H840 PY 213 BRS	19845292	56
	9250	1587	BOY133 25H840 PY 213 BRS	19845200	68

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

Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
100	1850	697	BOY100 12H840 PY 113 BRS	19830020	15
	2775	1007	BOY100 13H840 PY 113 BRS	19830060	23
	3700	1307	BOY100 14H840 PY 113 BRS	19835385	30
	4625	1607	BOY100 15H840 PY 113 BRS	19830080	37
133	5550	987	BOY133 23H840 PY 113 BRS	19840020	42
	7400	1287	BOY133 24H840 PY 113 BRS	19845293	56
	9250	1587	BOY133 25H840 PY 113 BRS	19840040	68

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

Cord length (m)	Designation	Code
0,1	CABL HO7RNF-BK XTREM ATEX-PLUG 0.1M 3G1.5	CAB0288
1	CABL HO7RNF-BK XTREM ATEX-PLUG 1M 3G1.5	CAB0289
3	CABL HO7RNF-BK XTREM ATEX-PLUG 3M 3G1.5	CAB0290

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

1 cable gland

Polyamide capacity Ø8-13 mm	113
Polyamide capacity Ø10-15 mm	116
Nickel-coated brass capacity Ø6-14 mm	213LN

2 cable glands including one blind plug

Polyamide capacity Ø8-13 mm	213
Polyamide capacity Ø10-15 mm	216
Nickel-coated brass capacity Ø6-14 mm	213LN

Fixing straps

Reinforced fixing straps	BRS
Reinforced fixing straps with HSHC screw	BRV

Materials

Borosilicate glass housing (IK07)	PY
Coextruded polycarbonate/PMMA housing IK10	POME
End caps & fixing straps 304L stainless steel	-
End caps & fixing straps 316L stainless steel	MR

Color temperature

3000K	830
4000K	840

Lighting management

Electronic gear unit for DALI dimming	RD

Emergency lighting

1h Self contained Emergency Lighting Long life time LiFePO4 battery (for length ≥ 995 mm) Tmax=30°C	S1H

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Sammode

Accessories

To be ordered separately

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

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

Folded 304L stainless steel protective cover

Length 800mm	PU6362
Length 1100mm	CP00595
Length 1400mm	PU6286
Length 1700mm	PU6363

Drill at the site with the required centre distance

Also available in 316L : consult us

304L stainless steel column mounting fixing strap

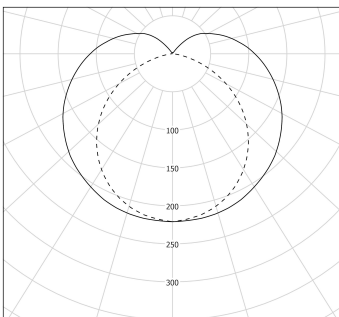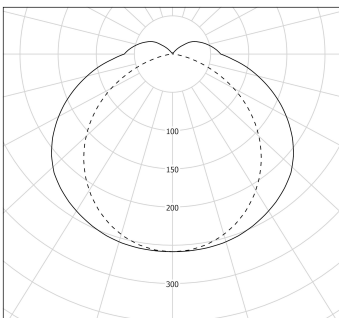|	
Adapter ø1"1/4 (=42mm)	PU4321
Adapter ø1"1/2 (=49mm)	PU4083
Adapter ø2" (=60mm)	PU4082

To order by 2

Also available in 316L : consult us

Specification

Photometry

cd/klm — C0 - C180 − − − C90 - C270   η = 100%

Diameter 100

cd/klm — C0 - C180 − − − C90 - C270   η = 100%

Diameter 133

Technical characteristics	
Light source	High-efficiency removable LED module (CRI>80, 3 SDCM) 70 000 h L80/B10 at max. operating temperature Photobiological hazard : None (RG0)
Optics	Specific satin-finish primary diffuser optics
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	Borosilicate-glass
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	IK07
Fire resistance	Non-flammable
Vibration resistance	Meets the severe application requirements of standard EN 60598-1 (tested according to IEC 60068-2-6)