



# CROOKES

Borosilicate glass tube ø100 and ø133 for highly corrosive atmospheres



Humidity, acid vapours, extreme soiling, fine and abrasive dust... for the most corrosive and most polluted atmospheres, Sammode has designed the CROOKES. Its non-flammable casing, made entirely of stainless steel and borosilicate glass, and ultra-hermetic thanks to its axial locking system, combined with a high-efficiency LED light source, make this an industrial luminaire that is built to last. And since Sammode leaves nothing to chance, each part is designed to be able to be dismantled and replaced very easily, directly on site.



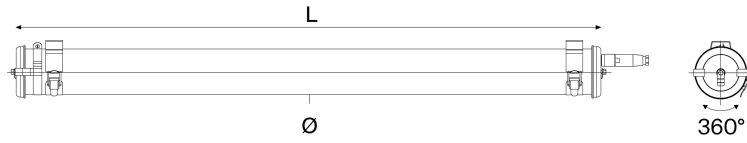


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Sammode



## Disconnectable quick-lock plug version

CRI80, 4000K



Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
100	1850	697	CRO100 12H840 PY PS3 BRS	31060020	14
	2775	1007	CRO100 13H840 PY PS3 BRS	31060040	22
	3700	1307	CRO100 14H840 PY PS3 BRS	31065040	28
	4625	1607	CRO100 15H840 PY PS3 BRS	31060060	34
133	5550	987	CRO133 23H840 PY PS3 BRS	32060020	43
	7325	1287	CRO133 24H840 PY PS3 BRS	32065045	57
	9250	1587	CRO133 25H840 PY PS3 BRS	32060040	70

One-piece housing, impervious to vibrations, 100% removable and upgradable (Screw system).

## All 316L stainless steel version, ultimate chemical resistance

CRI80, 4000K

Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
100	1850	697	CRO100 12H840 PY 113INOX MR BRS	31065059	14
	2775	1007	CRO100 13H840 PY 113INOX MR BRS	31065056	22
	3700	1307	CRO100 14H840 PY 113INOX MR BRS	31065057	28
	4625	1607	CRO100 15H840 PY 113INOX MR BRS	31065060	34
133	5550	987	CRO133 23H840 PY 113INOX MR BRS	32065064	43
	7325	1287	CRO133 24H840 PY 113INOX MR BRS	32065066	57
	9250	1587	CRO133 25H840 PY 113INOX MR BRS	32065067	70

One-piece housing, impervious to vibrations, 100% removable and upgradable (Screw system).

## Options

Cable entry	Fixing straps	Color temperature
		3000K 830 4000K 840 5000K 850
<b>Cable gland</b>		<b>Lighting management</b>
Polyamide capacity Ø5-12mm 113	Reinforced fixing straps	BRS Electronic gear unit for DALI dimming RD
Polyamide capacity Ø7-14mm 116	Reinforced fixing straps with HSHC screw	BRV
Nickel-coated brass capacity Ø5-14 mm 113LN		
<b>Disconnectable plugs</b>	<b>Materials</b>	
IP68/69K quick-lock plug with threaded ring (capacity: Ø8 to 10 mm) PS3	End caps & fixing straps 304L stainless steel -	
	End caps & fixing straps 316L stainless steel MR	

## Accessories

To be ordered separately

	<b>Folded 316L stainless steel protective cover</b>	<b>316L stainless steel column mounting fixing strap</b>
1m HO7-RNF pre-wired cable 3G1,5 <sup>2</sup>	Length 800mm Length 1100mm Length 1400mm Length 1700mm	CP00565 Adapter ø1"1/4 (=42mm) CP00596 Adapter ø1"1/2 (=49mm) CP00566 Adapter ø2" (=60mm) CP00567 To order by 2
Stripped free end CAB0080		CP01239
Wieland® plug IP68/IP69K (capacity : Ø10-14mm) CAB0095		CP01238
Wieland® plug and Y splitter for loop-in/out CAB0145		CP01237
Other lengths: consult us		



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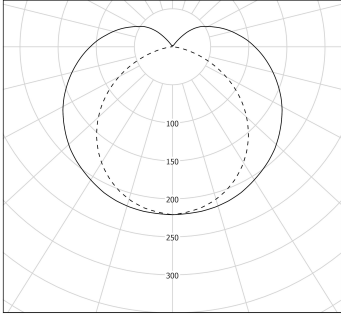


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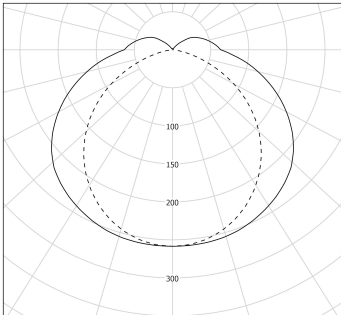
## Specification



## Photometry



### Diameter 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	Constant current driver Electronic compatible with central source
Supply voltage	220-240V ±10% 0/50/60Hz
Electrical class	Class I
Operating temperature	-20°C to +35°C

## Easy installation and maintenance

Connection	Version with 3-pole plug : disconnectable plug for Ø 8 to 10 mm cable (3 x 1.5 mm <sup>2</sup> ) 113INOX version : 316L stainless steel cable gland for cable Ø 7-13 mm, to a 3 x 2,5 mm <sup>2</sup> disconnectable terminal block
Mounting	Attachment with 2 bolt-fitted stainless steel straps with variable center distance and 360° orientation
LED engine maintenance	Easily removable LED modules and driver Opening by releasing the 2 closing screws, removing the end cap and extracting the gear tray

## Materials

Housing	Borosilicate-glass
End caps and fixing straps	304L stainless steel (except MR version in 316L 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

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)