

CUGNOT Xtrem

ø100 and ø133 tube light for extreme industrial atmospheres



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Designed to withstand extreme environments, the CUGNOT offers reliability and robustness, built to last, anywhere. Ultra-hermetic to all forms of dust and humidity, it also withstands shocks and vibrations thanks to a one-piece casing that has proved its worth in the harshest of industrial environments. Fully dismantlable and repairable on site, it features LED components among the most robust on the market, capable of supporting high variations in temperature and electrical risk environments.



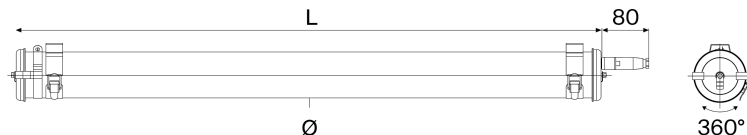


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Sammode



Disconnectable quick-lock plug version

CRI80, 4000K



Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
100	1850	697	CUG100 12H840 POME PS3 SA BRS	31030020	16
	2775	1007	CUG100 13H840 POME PS3 SA BRS	31030040	24
	3700	1307	CUG100 14H840 POME PS3 SA BRS	31030060	32
	4625	1607	CUG100 15H840 POME PS3 SA BRS	31030080	39
	5550	1850	CUG100 16H840 POME PS3 SA BRS	31030100	46
133	5550	987	CUG133 23H840 POME PS3 SA BRS	32030020	44
	7400	1287	CUG133 24H840 POME PS3 SA BRS	32030040	58
	9250	1587	CUG133 25H840 POME PS3 SA BRS	32030060	72
	11100	1850	CUG133 26H840 POME PS3 SA BRS	32030080	86

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
Cable gland	Materials	Lighting management
Polyamide capacity Ø5-12mm 113 Polyamide capacity Ø7-14mm 116 Nickel-coated brass capacity Ø5-14 mm 113LN Stainless steel 316L capacity Ø7-13mm 113INOX	Reinforced fixing straps Reinforced fixing straps with HSHC screw Polycarbonate housing Coextruded polycarbonate/PMMA housing with high chemical resistance End caps & fixing straps 304L stainless steel End caps & fixing straps 316L stainless steel	BRS BRV PO POME - MR Electronic gear unit for DALI dimming RD
Disconnectable plugs		
IP68/69K quick-lock plug with threaded ring (capacity: Ø8 to 10 mm) PS3		

Accessories

To be ordered separately

1m HO7-RNF pre-wired cable 3G1,5 ² Stripped free end CAB0080 Wieland® plug IP68/IP69K CAB0095 (capacity : Ø10-14mm) Wieland® plug and Y splitter for loop-in/out CAB0145 Other lengths: consult us	Folded 304L stainless steel protective cover Length 800mm PU6362 Length 1100mm CP00595 Length 1400mm PU6286 Length 1700mm PU6363 Length 1950mm CP00597 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



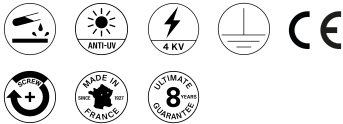
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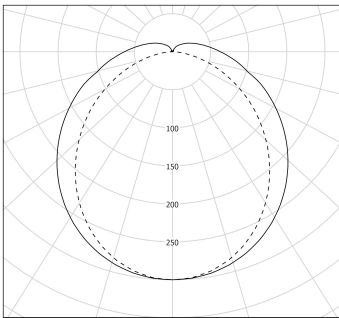


Sammode

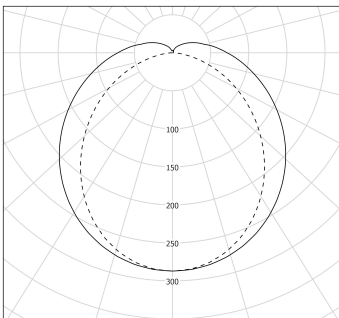
Specification



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
Optics	Special satin-finish housing for LED Light mixing chamber
Lighting comfort	UGR ≤ 25
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 installation and maintenance

Connection	With disconnectable plug Ø 8 to 10 mm cable (3 × 1,5 mm ²)
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	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

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)