

CUGNOT Xtrem

ø100 and ø133 tube light for extreme industrial atmospheres



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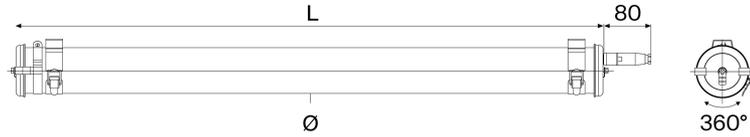
Designed to withstand extreme environments, the CUGNOT offers reliability and robustness, built to last, anywhere. Ultra-hermetic to all forms of dust and humidity, it also withstands shocks and vibrations thanks to a one-piece casing that has proved its worth in the harshest of industrial environments. 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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Disconnectable quick-lock plug version

CRI80, 4000K



Ø (mm)	Flux (lm)	L (mm)	Designation	Code	Watt
100	1850	697	CUG100 700 1850-840 POME PS3 BRS	31030020	15
	2775	1007	CUG100 1000 2775-840 POME PS3 BRS	31030040	22
	3700	1307	CUG100 1300 3700-840 POME PS3 BRS	31030060	29
	4625	1607	CUG100 1600 4625-840 POME PS3 BRS	31030080	35
	5550	1850	CUG100 1850 5550-840 POME PS3 BRS	31030100	42
133	5550	987	CUG133 1000 5550-840 POME PS3 BRS	32030020	41
	7400	1287	CUG133 1300 7400-840 POME PS3 BRS	32030040	54
	9250	1587	CUG133 1600 9250-840 POME PS3 BRS	32030060	67
	11100	1850	CUG133 1850 11100-840 POME PS3 BRS	32030080	79

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

Options

Cable entry	Fixing straps	Color temperature (white LEDs)
		3000K 830 4000K 840 5000K 850
Cable gland	Reinforced fixing straps Reinforced fixing straps with HSHC screw	Spectrum colour (colour LED)
Polyamide capacity Ø7-12mm 113 Polyamide capacity Ø8-14mm 116 Nickel-coated brass capacity Ø5-14 mm 113LN Stainless steel 316L capacity Ø7-13mm 113INOX	Materials Polycarbonate housing Coextruded polycarbonate/ PMMA housing with high chemical resistance End caps & fixing straps 304L stainless steel End caps & fixing straps 316L stainless steel	
Disconnectable plugs		Blue 466-494 nm LC-BLU Cyan 488-524 nm LC-CY Green 513-542 nm LC-GN Amber 560-621 nm LC-AMB Violet LC-PRP Red 617-636 nm LC-RED
IP68/69K quick-lock plug with threaded ring (capacity: Ø8 to 10 mm) PS3		Lighting management Non dimmable - Electronic gear unit for DALI dimming RD

Accessories

To be ordered separately

Accessories	To order by 2
1m HO7-RNF Xtrem pre-wired cable 3G1,5 ² Stripped free end CABO285 Wieland® plug IP68/IP69K CABO286 Wieland® plug and Y splitter for loop-in/out CABO287 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 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 Also available in 316L : consult us



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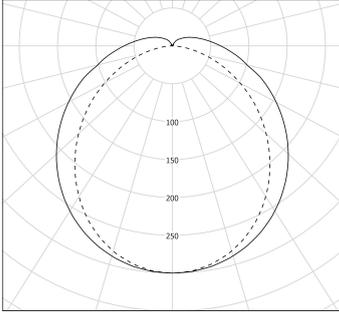
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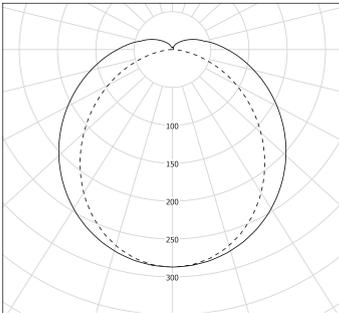
Specification



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
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. LSC model available for emergency lighting compliant with 60598-2-22: please contact us
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) The mechanical design has been tested according to railway standard IEC 61373 (Rolling stock equipment - Shock and vibration tests)