JOULE X-Heat

High temperature ø133 tube light for extreme industrial atmospheres

Sammode

Nestlé Beauvais ©Alain Caste / ArcelorMittal steel mill ©Alain Caste

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Sammode

Designed for permanent use at 70°C, the JOULE is the most robust LED tube light on the market. To maintain the ultimate impermeability to dust, humidity and corrosive vapours, the JOULE is based on a one-piece housing design and high-resistance mechanical and chemical materials. 100% removable and repairable, it offers impressive energy and maintenance savings and exceptional longevity in the most extreme industrial process environments, in places where people barely dare to tread.

MADE IN FRANCE SINCE 1927

REPAIRABLE UPGRADABLE

ULTIMATE 5 YEARS GUARANTEE

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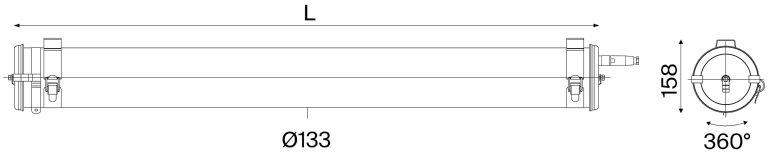

Disconnectable quick-lock plug version

CRI80, 4000K

PLUG & PLAY

Flux (lm)	L (mm)	Designation	Code	Watt
1850	677	JOU133 700 1850-840 POME PS3 SA BRS	32120020	15
2775	987	JOU133 1000 2775-840 POME PS3 SA BRS	32120040	22
3700	1287	JOU133 1300 3700-840 POME PS3 SA BRS	32125055	30
4625	1587	JOU133 1600 4625-840 POME PS3 SA BRS	32120060	37

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

Options

Cable entry

1 cable gland

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

2 cable glands including one blind plug

Polyamide capacity Ø5-12mm	213
Polyamide capacity Ø7-14mm	216
Nickel-coated brass capacity Ø5-14 mm	213LN

Disconnectable plugs

IP68/69K quick-lock plug with threaded ring (capacity: Ø8 to 10 mm)	PS3

Fixing straps

Reinforced fixing straps	BRS
Reinforced fixing straps with HSHC screw	BRV

Materials

Polycarbonate housing	PO
Coextruded polycarbonate/ PMMA housing with high chemical resistance	POME
End caps & fixing straps 304L stainless steel	-
End caps & fixing straps 316L stainless steel	MR

Color temperature

4000K	840

Accessories

To be ordered separately

IP68 4-outlet junction box (capacity Ø7-14mm)	CP00674

Kits for APSAD compliance

2 x 20 cm 304L stainless steel extensions	PU44277
2 x 5 cm 304L stainless steel extensions	PU44278

Also available in 316L : consult us

1m HO7-RNF pre-wired high temperature cable 3G1,5²

Stripped free end	CAB0076
Wieland® plug IP68/IP69K (capacity : Ø10-14mm)	CAB0140
Wieland® plug and Y spliter for loop-in/out	CAB0146

Other lengths: consult us

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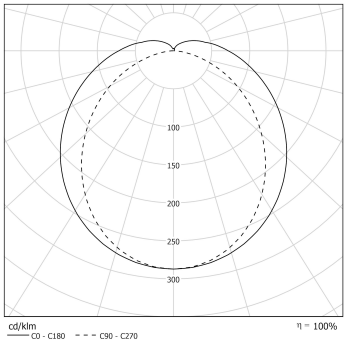
Specification

Photometry



Technical characteristics	
Light source	High-efficiency removable LED module (CRI>80, 3 SDCM) 50 000 h L80/B50 at max. operating temperature Photobiological hazard : None (RG0)
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 +70°C
Easy intallation and maintenance	
Connection	With disconnectable plug Ø 8 to 10 mm cable (3 x 1,5 mm^2)
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 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	Silicone
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)