

# JOULE X-Heat

High temperature ø133 tube light for extreme industrial atmospheres



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Two versions of the JOULE X-Heat, specifically designed for high-temperature applications, are available: up to 70°C with 100% built-in electronics and up to 85°C for the version with a remote driver. The LED source is specifically calibrated and protected with a waterproof tubular housing compatible with temperature variations, ensuring considerable energy and maintenance savings for the most extreme industrial processes, where staff hardly dare set foot.



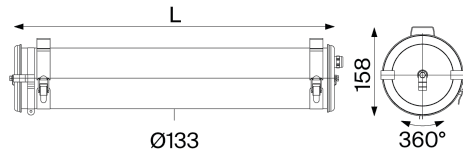


# JOULE X-Heat

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Sammode



## Version compatible with temperatures of up to 70°C with a disconnectable quick-lock plug

CRI80, 4000K. Built-in driver.



## Version compatible with temperatures of up to 70°C with a cable gland

CRI80, 4000K. Built-in driver.

## Pre-cabling

with high temperature properties cable, with bare free end. Order separately for this service.

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

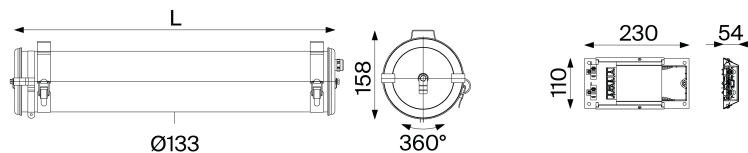
One-piece housing, impervious to vibrations, 100% removable and upgradable (Screw system).

Flux (lm)	L (mm)	Designation	Code	Watt
1850	677	JOU133 700 1850-840 POME 113 SA BRS	32125018	15
2775	987	JOU133 1000 2775-840 POME 113 SA BRS	32125009	22
3700	1287	JOU133 1300 3700-840 POME 113 SA BRS	32125057	30
4625	1587	JOU133 1600 4625-840 POME 113 SA BRS	32125008	37

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

Cord length (m)	Designation	Code
1	CABL FLAM-RED SHIELD 1M 3G1.5	CAB0219
3	CABL FLAM-RED SHIELD 3M 3G1.5	CAB0220
6	CABL FLAM-RED SHIELD 6M 3G1.5	CAB0221

Red 3G1.5 silicone lead SILICABLE® MCBAL-ECS, shielded, halogen-free, flame retardant according to IEC 60332-1-2



## HT version compatible with temperatures of up to 85°C with a disconnectable quick-lock plug

CRI80, 4000K. Driver on a remote gear tray, up to 50 m (supplied).



## HT version compatible with temperatures of up to 85°C with a cable gland

CRI80, 4000K. Driver on a remote gear tray, up to 50 m (supplied).

Flux (lm)	L (mm)	Designation	Code	Watt
1850	677	JOU133 HT 700 1850-840 PO PS3 SA BRS	32125105	16
2775	987	JOU133 HT 1000 2775-840 PO PS3 SA BRS	32125106	23
3700	1287	JOU133 HT 1300 3700-840 PO PS3 SA BRS	32125107	30
4625	1587	JOU133 HT 1600 4625-840 PO PS3 SA BRS	32125108	38

Supplied with a remote IP20 gear tray used to supply direct current to one single luminaire. No additional luminaires can be connected. Max. distance 50 m, at Ta max 60°C.

Flux (lm)	L (mm)	Designation	Code	Watt
1850	677	JOU133 HT 700 1850-840 PO 113 SA BRS	32125109	16
2775	987	JOU133 HT 1000 2775-840 PO 113 SA BRS	32125110	23
3700	1287	JOU133 HT 1300 3700-840 PO 113 SA BRS	32125111	30
4625	1587	JOU133 HT 1600 4625-840 PO 113 SA BRS	32125112	38

Supplied with a remote IP20 gear tray used to supply direct current to one single luminaire. No additional luminaires can be connected. Max. distance 50 m, at Ta max 60°C.

Cord length (m)	Designation	Code
1	CABL INTER FLAM-RED SHIELD 1M	CAB0216
3	CABL INTER FLAM-RED SHIELD 3M	CAB0217
6	CABL INTER FLAM-RED SHIELD 6M	CAB0218

Red silicone lead SILICABLE® MCBAL-ECS, with electro-magnetic shielding, halogen-free, flame retardant according to IEC 60332-1-2

## Intermediate cabling

between the tubular luminaire and the remote driver, with high-temperature properties. Order separately for this service.





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## Options

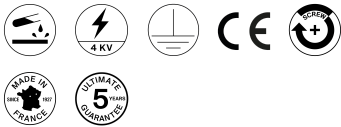
Cable entry	Disconnectable plugs	Materials
		Polycarbonate housing PO
<b>1 cable gland</b>	IP68/69K quick-lock plug with threaded ring (capacity: Ø8 to 10 mm)	Coextruded polycarbonate/ PMMA housing with high chemical resistance (except HT 85°C version) POME
Polyamide capacity Ø5-12mm 113		End caps & fixing straps 304L stainless steel -
Polyamide capacity Ø7-14mm 116		End caps & fixing straps 316L stainless steel MR
Nickel-coated brass capacity Ø5-14 mm 113LN	<b>Fixing straps</b>	
Stainless steel 316L capacity Ø7-13mm 113INOX	Reinforced fixing straps BRS	<b>Color temperature</b>
	Reinforced fixing straps with HSHC screw BRV	4000K 840

## Accessories

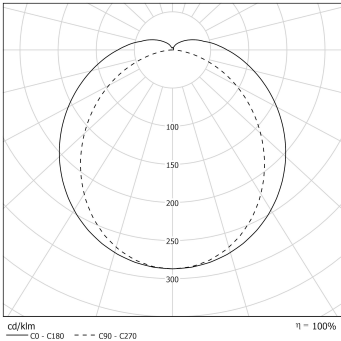
To be ordered separately

	
IP65 housing for remote driver gear tray (HT 85°C version dedicated)	Kits for APSAD compliance
Equipped with 2 polyamide cable glands, ø5-12 mm, polycarbonate, dimensions 275x160x90 mm 17500217	2 x 20 cm 304L stainless steel PU44277 extensions
	2 x 5 cm 304L stainless steel PU44278 extensions
	Also available in 316L : consult us

## Specification



### Photometry



### Technical characteristics

Light source	High efficiency replaceable LED modules for high temperature (IRC>80, 2 SDCM) 50 000 h L80/B50 at max. operating temperature Photobiological hazard : None (RG0)
Optics	Special satin-finish housing for LED
Lighting comfort	UGR ≤ 25
Heat management	70°C version : Aluminium heat sink HT version 85°C : LED modules on an aluminium base, with advanced heat dissipation properties.
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 Electronic compatible with central source
Supply voltage	198-264V 0/50/60Hz
Electrical class	Class I
Operating temperature	70°C version : -20°C to +70°C HT version 85°C : -20°C to +85°C

### Easy intallation and maintenance

Connection	Plug-in connector for Ø 8 - 10 mm (3 x 1.5 mm <sup>2</sup> ) cable or polyamide cable gland for Ø 5 - 12 mm cable, on a 3 x 2.5 mm <sup>2</sup> terminal block HT version 85°C : a shielded cable is strongly recommended to avoid any electromagnetic line disturbance
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	70°C version : Special polycarbonate housing, protected from UV, solvents, hydrocarbons and cleaning agents by a coextrusion of methacrylate HT version 85°C : Polycarbonate able to withstand strong mechanical impacts and high temperatures
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	70°C version : 650°C HT version 85°C : 960°C
Vibration resistance	Meets the severe application requirements of standard EN 60598-1 (tested according to IEC 60068-2-6)