

CELSIUS X-Cold

ø70 tube light for extreme cold process or storage zones, powered off 24 VDC



CELSIUS X-Cold

ø70 tube light for extreme cold process or storage zones, powered off 24 VDC



Our tube lights are used to working in extreme conditions, but when the thermometer drops to -60°C , Sammode brings out the big guns: bespoke circuit boards, carefully screened LED components, and triple-seal gaskets. In this way, when fitted out and powered off 24 VDC, the CELSIUS has nothing to fear: thermal shocks and being turned on frequently at -60°C are like water off a duck's back to it! The result: exceptional durability over time, for a product that is unique on the market, right down to its disconnect connector that is reinforced against frost and humidity ingress.



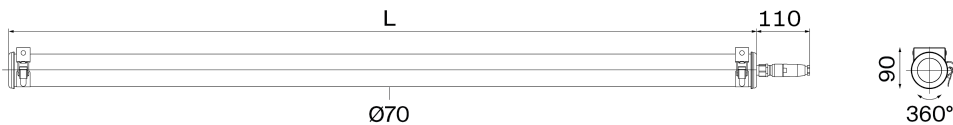


CELSIUS X-Cold

ø70 tube light for extreme cold process or storage zones, powered off 24 VDC



Sammode



Top-up lighting versions

CRI80, 4000K, satin-finish housing



Flux (lm)	L (mm)	Designation	Code	Watt
750	613	CEL70 24DC 2M6L10 POME PS2 SA	64300050	18
Model equipped with LEDs certified for temperatures down to -60°C and an unpluggable connector on resin-contact terminal block eliminating any risk of moisture ingress.				

Version for general lighting

CRI80, 4000K, satin-finish housing



Flux (lm)	L (mm)	Designation	Code	Watt
2225	1613	CEL70 24DC 6M6L10 POME PS2 SA	64300060	55
Model equipped with LEDs certified for temperatures down to -60°C and an unpluggable connector on resin-contact terminal block eliminating any risk of moisture ingress.				


Version for shelf lighting

CRI80, 4000K, narrow beam 35°



Flux (lm)	L (mm)	Designation	Code	Watt
2500	1613	CEL70 24DC 6M6L10 POME PS2 W	64300080	55
Model equipped with LEDs certified for temperatures down to -60°C and an unpluggable connector on resin-contact terminal block eliminating any risk of moisture ingress.				

Options

Fixing straps	Materials	Color temperature	
	End caps & fixing straps 304L stainless steel	4000K	840
	End caps & fixing straps 316L stainless steel	MR	
Fixing straps	-		
Fixing straps with HSHC screw	BAV		

Accessories

To be ordered separately



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



CELSIUS X-Cold

ø70 tube light for extreme cold process or storage zones, powered off 24 VDC

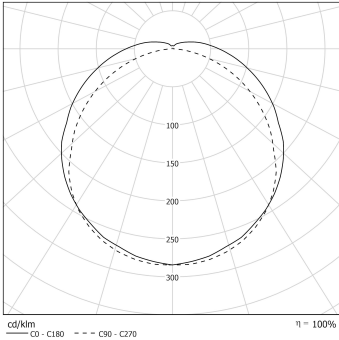


Sammode

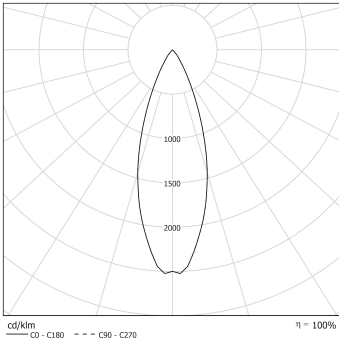
Specification



Photometry



Satin-finish versions (SA)



High-intensity version 35° (W)

Technical characteristics	
Light source	Specific removable LED modules for extreme cold conditions (IRC>80) 50 000 h L80/B50 even at min. operating temperature
Optics	W" version : high-performance intensive lens" SA" version : special LED-rated satin diffuser"
Lighting comfort	UGR ≤ 25
Heat management	Aluminium heat sink
Supply voltage	24V DC min - 26V DC max
Electrical class	Class III
Operating temperature	-60°C to +25°C
Easy installation and maintenance	
Connection	With disconnectable plug Ø 8 to 10 mm cable (2 × 1,5 mm²)
Mounting	2 stainless steel fixing straps with spring clip and EPDM support pad, with variable center distance and 360° orientation
LED engine maintenance	Easily removable LED modules Closing by tightening the nut on the cable gland
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	One-piece housing with reinforced ingress protection by radial expansion of the seal
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)