



Sammode

Technical lighting since 1927

MAXWELL 100 LSC BT

LED light fitting for a 24 V DC central battery system,
designed for extreme subzero temperatures



EMERGENCY LIGHTING IN COLD STORAGE ROOMS AT SUBZERO TEMPERATURES

In addition to compliance with the requirements of standards, safety lighting in cold rooms requires use of products that can withstand extreme temperatures. Furthermore, the installation and maintenance of these products should be easier and quicker in view of the difficult conditions.

Sammode, the specialists in lighting solutions for harsh environments, offers its MAXWELL 100 LSC BT range, a range of LED light fittings for 24 V DC battery systems designed for extreme subzero temperatures. These devices are compliant with EN 60 598-2-22 (whether permanent or temporary) down to -60°C .

Designed to



OPERATE DOWN TO -60°C

The MAXWELL 100 LSC BT is specifically designed for efficient operation at very low temperatures without altering its lifetime.



INCREASED SERVICE INTERVALS

The MAXWELL 100 LSC BT is a product with high strength and a long life. We guarantee our customers a return on their investment and a reduction in maintenance costs.



RESIST HOSTILE ENVIRONNMENTS

The quality of the carefully selected materials such as stainless steel or our polycarbonate is particularly suited to the aggressive environmental conditions encountered in harsh industrial surroundings.



5 YEAR WARRANTY

Sammode embodies its commitment to the quality and sustainability of its light fittings by offering a guarantee for the MAXWELL 100 LSC BT range that exceeds the legal warranty. A Sammode product isn't a consumable; it's an investment!

Maxwell 100 LSC BT



EMERGENCY LIGHTING

Optimum temp.	-60 °C to -20 °C
Application	Open area and escape route
Power supply	Central battery system
Technology	LED
Emergency output	400 lm

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	T (°K)	L (mm)
WITH CABLE GLAND					
400	MAX100 LSC BT 24DC SA 113LN	1836 0010	10	4000	380
WITH DISCONNECTABLE PLUG					
400	MAX100 LSC BT 24DC SA PS2	1836 0020	10	4000	380

* Rated flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

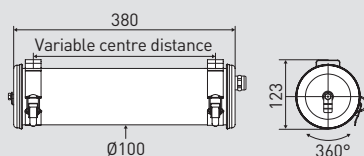
Light source	<ul style="list-style-type: none"> ▪ LED modules for cold operation developed by Sammode ▪ L80 ▪ Replaceable modules 	
Optics	Special satinised LED diffuser	
Thermal management	Aluminium heat sink	
Power supply	24 V DC	
Electrical class	Class III	
Operating temperature	-60 °C to +25 °C	
Connection	Nickel-plated brass cable gland	Disconnectable plug
Cable Ø	5-14 mm	8-10mm
Terminal block	2 x 4 mm ²	2 x 1,5mm ²
Fixing	2 spring-loaded stainless steel fixing straps	
Method of construction	<ul style="list-style-type: none"> ▪ Single-piece housing with high mechanical resistance ▪ Long-term sealing maintained by axial screwing 	

MATERIALS

Diffuser	Polycarbonate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	EPDM

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	960 °C
Compliant with	EN 60 598-1, EN 60598-2-22
Type	Maintained and non-maintained



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L MR stainless steel

FIXINGS

Reinforced spring-loaded fixing straps BRS

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards





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