



Sammode

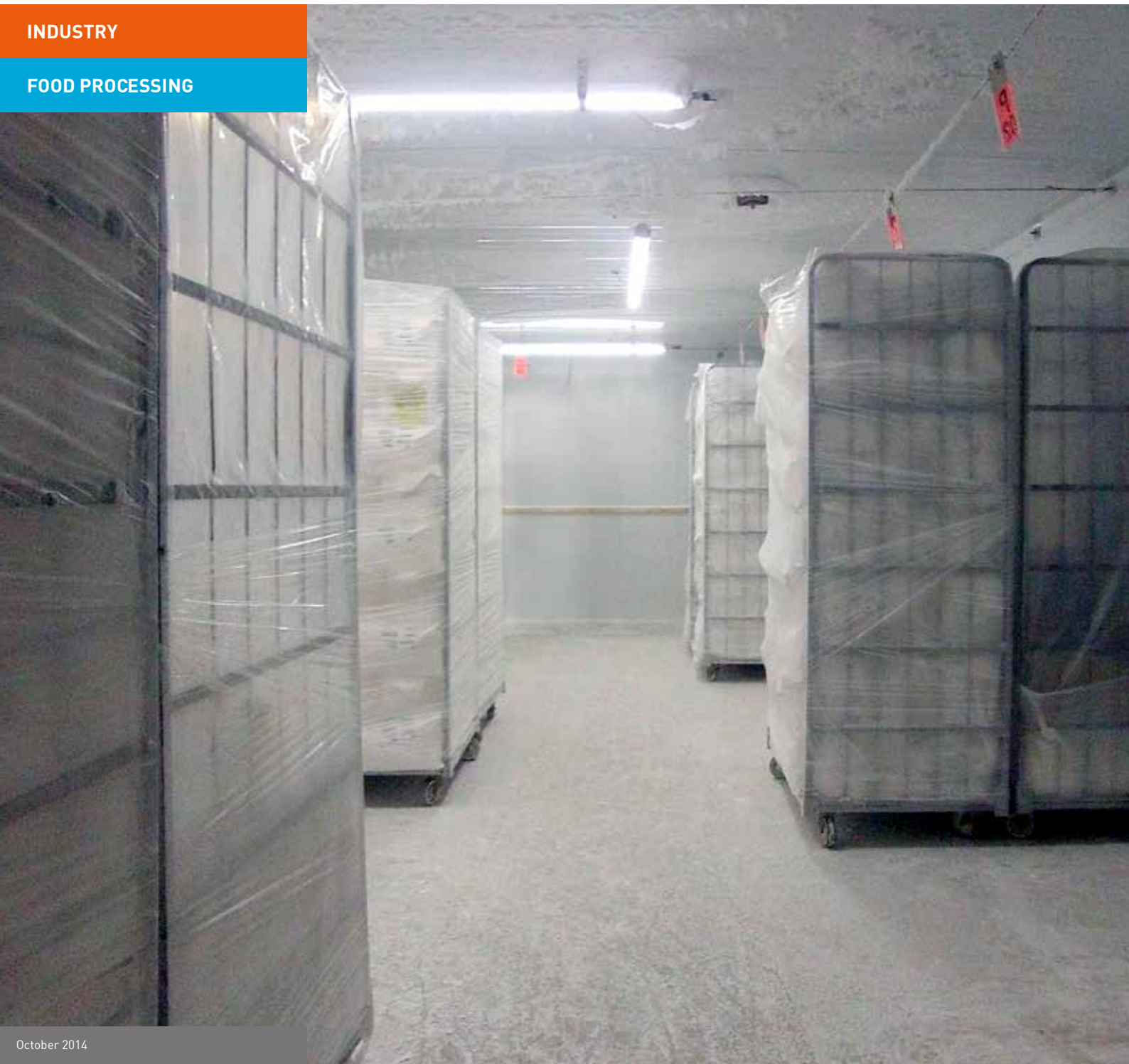
Technical lighting since 1927

Lighting for industrial refrigeration

LED

INDUSTRY

FOOD PROCESSING



Sammode



Functional and aesthetic, durable and economical, efficient and reliable, Sammode luminaires are made to last. Optimised down to the last detail, they offer users durability and exceptional resistance at minimal operating cost.

Long-lasting lighting

EXPERTISE AND RELIABILITY

Sammode is an industrial business, independent and family-run. For four generations, we have been building up unique know-how on how to provide light in the harshest environments, in the most demanding conditions and in the most difficult places. Since its creation in 1927, Sammode has been synonymous with technical, durable and reliable lighting.

INTEGRATED PRODUCTION

Historically, at Sammode, we design and manufacture functional luminaires that are renowned for their performance, quality and low cost of ownership. We are constantly perfecting them, improving their design, selecting the best materials and integrating new technologies after testing them in our laboratory. Because we control the entire production chain, without using any subcontractors, we ensure flawless quality. Our luminaires are characterised by strength, durability, reliability and adaptability. This is what gives us our reputation.

LISTENING AND COMMITMENT

As a personal business we place a high value on individual commitment. We demonstrate our commitment to our customers by listening and analysing their needs, developing relevant solutions, making the right choices and minimising the cost of ownership. We advise them and find appropriate solutions to their problems, while taking account of their technical and budgetary constraints.

RESPECT FOR THE ENVIRONMENT

Historically, our environmental policy is as simple as it is unsurprising: we choose recyclable materials, reject throwaways and planned obsolescence, maintain and repair our luminaires piece by piece, reduce waste, manufacture in Europe and minimise transport. For each project, we help our customers to reduce their energy consumption and use of resources.



8 reasons for choosing our luminaires



ECONOMY

Our luminaires for industrial refrigeration lighting are fitted with the latest generation LED modules. They have reduced operating costs and a lower cost of ownership, with maximum light output from the moment they are switched on, an exceptionally long service life and low power consumption.



STRENGTH

Our luminaires are designed to provide Shock resistance IK10 and to withstand vibration. This is the guarantee of a profitable long-term investment.



SEALING

Most of our fixtures are sealed to IP68 and IP69K standards, i.e. they are sealed against dust, vapours and liquids. Their tubular shape prevents the build up of dirt on their exteriors. The lack of the build up of dirt internally ensures maximum light output over time. Fittings to IP69K resist high-pressure jetting.



RESISTANCE

Our luminaires are resistant to chemicals (detergents, fats and hydrocarbons) and corrosion thanks to a choice of durable materials: stainless steel and co-extruded polycarbonate/methacrylate.



PERFORMANCE

Our luminaires are equipped with light sources that offer the best performance for any given temperature range. This provides optimal illumination while reducing the total number of luminaires needed and the energy consumed.



MAINTENANCE

Our luminaires are fitted with quick-release systems that facilitate assembly, disassembly and off-site maintenance. Interruptions to production and the risk of falling objects are reduced, maintenance is simplified and speeded up.



WARRANTY

All our luminaires are guaranteed for 5 years, a sign of our confidence in the quality of our products.



DURABILITY

Our lights are made to last, unlike throwaways. Whether it is the light source, the electronic circuits or the mechanical structure, each piece is built to last and can be replaced.

Craftsmanship



Industrial refrigeration lighting requires special precautions, especially in the food processing industry. We offer luminaires that are ideal for cold storage rooms and other refrigerated areas.

Lighting in **the cold**

ENERGY EFFICIENCY

Light generates heat which must be removed by the refrigeration system. Particular attention has to be paid to the energy efficiency of the light source, because losses count double; heat generated during the production of light and the energy needed for its removal by the refrigeration system.

We have selected high-efficiency LED modules to reduce the energy consumption associated with lighting. Unlike fluorescent tubes, they reach maximum light output immediately. It is therefore not necessary to overspecify their size to reach the required light output.

ON/OFF CYCLES

Access to cold storage rooms and other chilled areas is usually for short periods, with frequent on/off cycles, often controlled by motion sensors. Maximum immediate light output and tolerance to repeated cycling are thus essential.

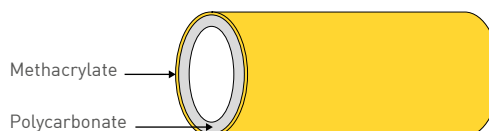
Today's LED technology provides better tolerance to repeated cycling and thus significantly reduces maintenance costs. Maximum light output is available immediately, so that the installation can be sized for the minimum power that is needed.

HYGIENE

Industrial refrigeration lighting is often found in the food processing industry. Therefore, hygiene requirements add to the physical demands for operation in the cold: resistance to cleaning agents and corrosion, easy to clean, anti-condensation design, etc.

Sammode sealed tube luminaires reduce dirt deposition and the use of resistive materials (stainless steel and co-extruded polycarbonate/methacrylate) are highly resistant to cleaning agents and cleaning with a high pressure jet. Sammode luminaires are suitable for the storage of food and comply the following standards: 2002/72/EC, 2004/1/EC, 2004/19/EC, 2005/79/EC, 2007/19/EC.

THE MEANING OF CO-EXTRUSION





MAINTENANCE

Maintenance, robustness and service life are important cost factors that must be considered in the economic analysis of the lifecycle of a luminaire. In the cold storage of food, it is also necessary to avoid contamination by falling objects.

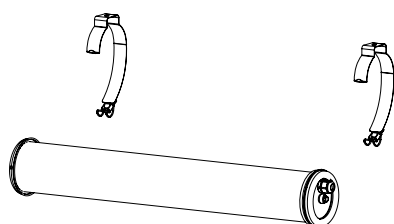
Sammode has optimised the maintenance of its luminaires through the use of spring-loaded fixing straps and disconnectable plugs. Installation and replacement are quick and easy. In addition, all Sammode luminaires are shock-resistant to IK10. They incorporate LED modules which, thanks to their long service life (> 50,000 h), lengthen service intervals, thus reducing operating costs.

SERVICE LIFE

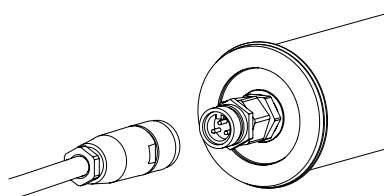
Our corporate culture has always been rooted in a quest for uncompromising quality. We design our luminaires for exceptionally long service life. We strive for excellence and for that we rely on a full understanding of our materials and manufacturing processes, advanced technology and rejection of throwaways and planned obsolescence.

Each luminaire is easily removable for maintenance in a workshop. Spare parts are available for all the items in our catalogue.

SPRING-LOADED FIXING STRAPS



DISCONNECTABLE PLUGS



Lighting



The details of the luminaires to be used must be appropriate to the type of installation being planned. Installation at a height, emergency lighting, task lighting, general lighting: Sammode offers luminaires to meet regulatory and business requirements for every application.

The various types of lighting

GENERAL LIGHTING

General lighting relates to cold storage rooms

- covering a large floor area ($> 20 \text{ m}^2$)
- having a high ceiling ($< 7 \text{ m}$)
- needing significant illumination ($> 150 \text{ lx}$)

Suitable lighting can contribute to employees' well-being as well as reducing fatigue and increasing staff efficiency. Luminaires suitable for use in the cold reduce the power consumption of the installation and the operating costs.

RECOMMENDED LIGHTING

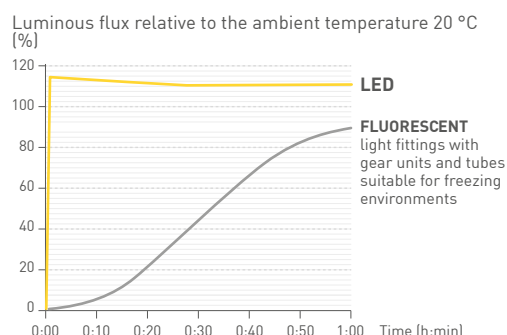
ZONE	LIGHTING (LX)
Warehouses	
Stores and warehouses	100
Handling, packaging and shipping zones	300
Storage and shelving	
Unoccupied central aisle	20
Occupied central aisles	150
Command or control centre	150

TASK LIGHTING

Task lighting is characterised by small areas to be illuminated ($< 20 \text{ m}^2$) and low height ($< 3 \text{ m}$). This is usually lighting that is in addition to the general lighting, suitable for small cold rooms or confined spaces, such as tunnel freezers.

Task lighting is often subject to frequent on/off cycles. Luminaires must quickly reach the necessary light output and tolerate many on/off cycles. LED light sources meet these requirements and are therefore particularly suitable for task lighting in cold environments.

LUMINOUS FLUX AT -30°C

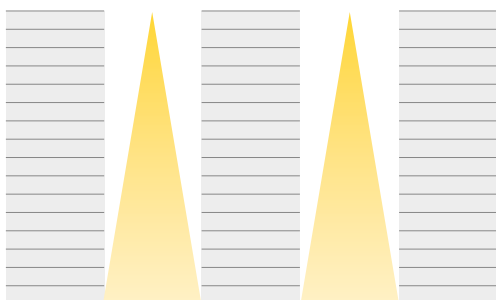




HIGH-CEILING LIGHTING

High storage rooms (7-15 m) with a large floor area ($> 20 \text{ m}^2$), equipped with high shelves (racked cold stores) require specialised lighting in order to limit light losses and provide illumination where necessary. These luminaires must have optimized photometric polar diagrams to limit the number of luminaires needed to achieve a given illumination, thus reducing the lighting's energy consumption.

PROVIDE LIGHT WHERE IT IS NEEDED AND MINIMISE LOSSES



EMERGENCY LIGHTING

Emergency lighting is mandatory and must meet current standards. In cold rooms, the following points should be considered:

- Emergency lighting should reach 50% of its nominal output within 5 seconds (EN 60598-2-22). Therefore, the use of fluorescent tubes is banned. On the other hand, LED Light sources are well suited to the cold with an output that increases as the temperature decreases.
- Batteries in stand-alone emergency lights do not operate below 0°C . A Central battery system is needed.

Our range



Sammode offers a complete range of luminaires for industrial refrigeration lighting down to -60°C . For each application we have designed ranges of LED fittings which are the most effective over a given temperature range.

Product guide

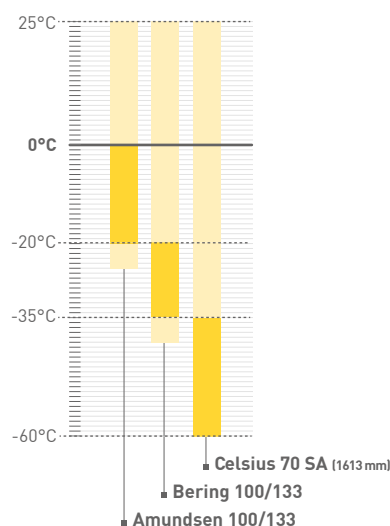
GENERAL LIGHTING

General lighting solutions for:

- floor areas greater than 20 m^2
- ceiling heights less than 7 m

 Optimum operating temperature

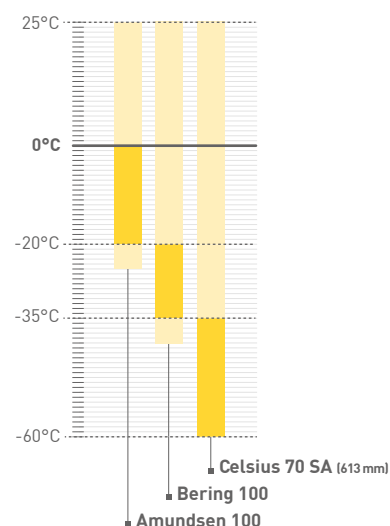
 Usable operating temperature



TASK LIGHTING

Ranges of compact luminaires to achieve:

- lighting small cold rooms (below 20 m^2 floor area)
- lighting tunnel freezers
- lighting supplementary working areas

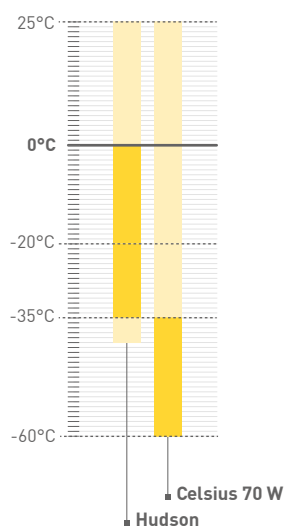




HIGH-CEILING LIGHTING

Lighting solutions at height for:

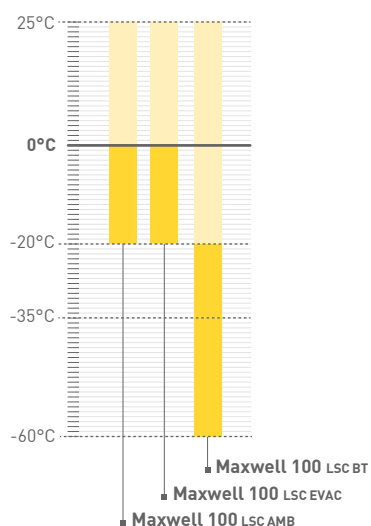
- floor areas greater than 20 m²
- heights from 7 to 15 m



EMERGENCY LIGHTING

For central battery systems, compliant with EN 60 598-2-22

- open area or escape route lighting
- maintained or non-maintained



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General lighting

Amundsen 100

GENERAL LIGHTING

Optimum temp.	-20°C to +0 °C
Technology	LED
Light output	2775 to 5550 lm



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel MR

FIXINGS

Reinforced spring-loaded fixing straps BRS

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

PRINCIPAL PART NUMBERS

Light output *(lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
NEW INSTALLATION VERSIONS						
3700	AMU100 14H830 POME PS3 SA	4170 0010	35		3000	1318
	AMU100 14H840 POME PS3 SA	4170 0020			4000	
5550	AMU100 16H830 POME PS3 SA	4170 0030	52		3000	1850
	AMU100 16H840 POME PS3 SA	4170 0040			4000	
LIKE FOR LIKE REPLACEMENT VERSIONS						
Equivalent to 1 x 36 W T8						
2775	AMU100 13H830 POME PS3 SA	4170 0050	26		3000	1018
	AMU100 13H840 POME PS3 SA	4170 0060			4000	
Equivalent to 1 x 58 W T8						
4625	AMU100 15H830 POME PS3 SA	4170 0070	44		3000	1618
	AMU100 15H840 POME PS3 SA	4170 0080			4000	

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

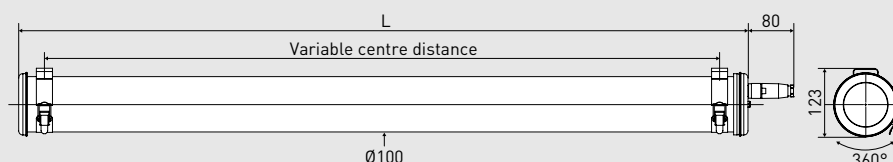
Light source	■ High efficiency LED modules (133 lm/W) ■ 50 000H L80/B50 ■ Replaceable modules ■ CRI > 80
Optics	■ Light mixing chamber ■ Special satinised LED diffuser
Thermal management	Aluminium heat sink
Electronic equipment	Constant current output driver, non-dimmable
Power supply	220-240 V 50/60 Hz
Electrical class	Class I
Operating temperature	-25 °C to +35 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (3 x 1.5 mm²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	■ Single-piece housing with reinforced seal ■ Patented drawer opening system

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	EPDM

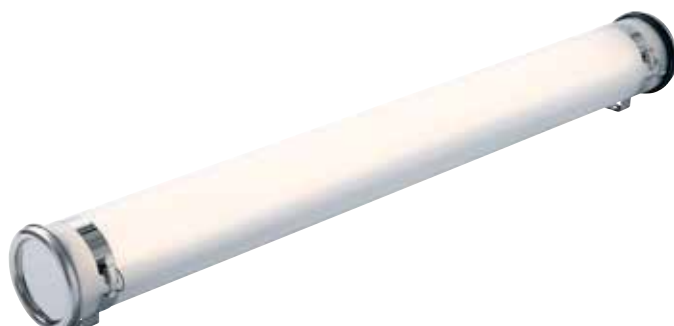
STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



Amundsen 133

GENERAL LIGHTING



Optimum temp.	-20°C to +0 °C
Technology	LED
Light output	5550 to 11100 lm

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
NEW INSTALLATION VERSIONS						
7400	AMU133 24H830 POME PS3 SA	2270 0010	70		3000	1295
	AMU133 24H840 POME PS3 SA	2270 0020			4000	
11100	AMU133 26H830 POME PS3 SA	2270 0030	104		3000	1850
	AMU133 26H840 POME PS3 SA	2270 0040			4000	
LIKE FOR LIKE REPLACEMENT VERSIONS						
Equivalent to 2 x 36 W T8						
5550	AMU133 23H830 POME PS3 SA	2270 0050	52		3000	995
	AMU133 23H840 POME PS3 SA	2270 0060			4000	
Equivalent to 2 x 58 W T8						
9250	AMU133 25H830 POME PS3 SA	2270 0070	88		3000	1595
	AMU133 25H840 POME PS3 SA	2270 0080			4000	

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

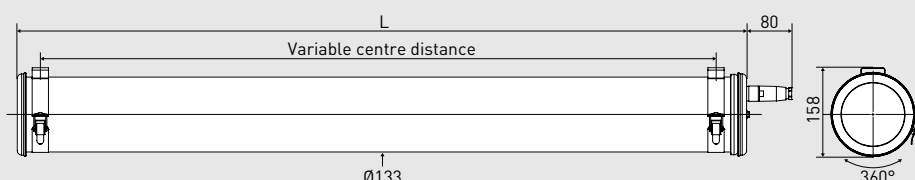
Light source	- High efficiency LED modules (133 lm/W) 50 000H L80/B50 - Replaceable modules - CRI > 80
Optics	- Light mixing chamber - Special satinised LED diffuser
Thermal management	Aluminium heat sink
Electronic equipment	Constant current output driver, non-dimmable
Power supply	220-240 V 50/60 Hz
Electrical class	Class I
Operating temperature	-25 °C to +35 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (3 x 1.5 mm ²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	- Single-piece housing with reinforced seal - Patented drawer opening system

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	EPDM

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel MR

FIXINGS

Reinforced spring-loaded fixing straps BRS

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

Bering 100

GENERAL LIGHTING

Optimum temp.	-35 °C to -20 °C
Technology	LED
Light output	2775 to 4625 lm



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel MR

FIXINGS

Reinforced spring-loaded fixing straps BRS

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
NEW INSTALLATION VERSIONS						
3700	BER100 14H830 POME PS3 SA	1560 0050	35		3000	1307
	BER100 14H840 POME PS3 SA	1560 0060			4000	
LIKE FOR LIKE REPLACEMENT VERSIONS						
Equivalent to 1 x 36 W T8						
2775	BER100 13H830 POME PS3 SA	1560 0030	26		3000	1007
	BER100 13H840 POME PS3 SA	1560 0040			4000	
Equivalent to 1 x 58 W T8						
4625	BER100 15H830 POME PS3 SA	1560 0070	44		3000	1607
	BER100 15H840 POME PS3 SA	1560 0080			4000	

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

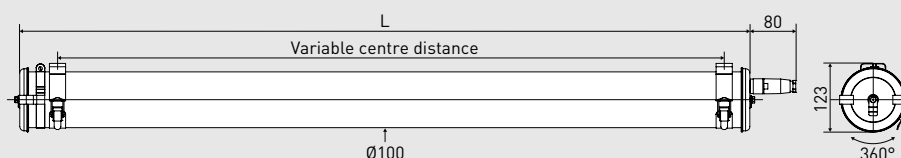
Light source	■ High efficiency LED modules (133 lm/W) ■ 50 000h L80/B50 ■ Replaceable modules ■ CRI > 80
Optics	■ Light mixing chamber ■ Special satinised LED diffuser
Thermal management	Aluminium heat sink
Electronic equipment	Special cold operation constant current output driver, non-dimmable
Power supply	220-240V 50/60 Hz
Electrical class	Class I
Operating temperature	-40 °C to +35 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (3 x 1.5 mm²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	■ Single-piece housing with high mechanical and chemical resistance ■ Long-term sealing maintained by axial screwing

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	Silicone

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



Bering 133

GENERAL LIGHTING

Optimum temp.	-35 °C to -20 °C
Technology	LED
Light output	5550 to 9250 lm



PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
NEW INSTALLATION VERSIONS						
7400	BER133 24H830 POME PS3 SA	1660 0010	70		3000	1287
	BER133 24H840 POME PS3 SA	1660 0030			4000	
LIKE FOR LIKE REPLACEMENT VERSIONS						
Equivalent to 2 x 36 W T8						
5550	BER133 23H830 POME PS3 SA	1660 0050	52		3000	987
	BER133 23H840 POME PS3 SA	1660 0060			4000	
Equivalent to 2 x 58 W T8						
9250	BER133 25H830 POME PS3 SA	1660 0020	88		3000	1587
	BER133 25H840 POME PS3 SA	1660 0040			4000	

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

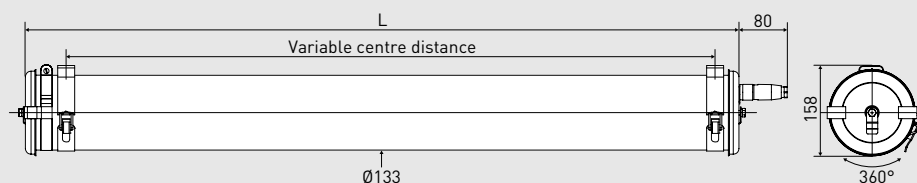
Light source	- High efficiency LED modules (133 lm/W) 50 000h L80/B50 - Replaceable modules - CRI > 80
Optics	- Light mixing chamber - Special satinised LED diffuser
Thermal management	Aluminium heat sink
Electronic equipment	Special cold operation constant current output driver, non-dimmable
Power supply	220-240V 50/60 Hz
Electrical class	Class I
Operating temperature	-40 °C to +35 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (3 x 1.5 mm ²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	- Single-piece housing with high mechanical and chemical resistance - Long-term sealing maintained by axial screwing

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	Silicone

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel	MR
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FIXINGS

Reinforced spring-loaded fixing straps	BRS
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ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards	
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Celsius 70 SA 1613 mm

GENERAL LIGHTING

Optimum temp.	-60 °C to -35 °C
Technology	LED
Light output	2224 lm
Power supply	24V DC



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel MR

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
2224	CEL70 24DC 6M6L10 POME PS2 SA	6430 0060	55		4100	1613

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

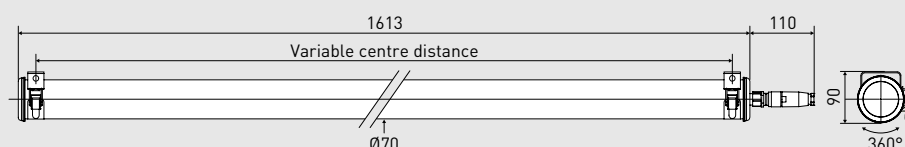
Light source	▪ LED modules for extreme cold developed by Sammode ▪ 50 000H L80/B50 ▪ Replaceable modules
Optics	Special satinised LED diffuser
Thermal management	Aluminium heat sink
Power supply	24V DC min 26V DC max
Electrical class	Class III
Operating temperature	-60 °C to +25 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (2 x 1.5 mm²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	▪ Single-piece housing with reinforced sealing through radial expansion of the gasket ▪ Closure by tightening the nut under the cable gland

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	EPDM

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



Task lighting

Amundsen 100

TASK LIGHTING

Optimum temp.	-20 °C to +0 °C
Technology	LED
Light output	1850 lm



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel MR

FIXINGS

Reinforced spring-loaded fixing straps BRS

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
1850	AMU100 12H830 POME PS3 SA	4170 0090	18		3000	708
	AMU100 12H840 POME PS3 SA	4170 0100			4000	

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

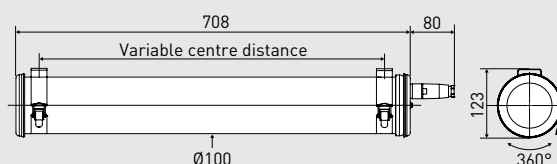
Light source	■ High efficiency LED modules (133 lm/W) ■ 50 000H L80/B50 ■ Replaceable modules ■ CRI > 80
Optics	■ Light mixing chamber ■ Special satinised LED diffuser
Thermal management	Aluminium heat sink
Electronic equipment	Driver à sortie en courant constant, non gradable
Power supply	220-240 V 50/60 Hz
Electrical class	Class I
Operating temperature	-25 °C to +35 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (3 x 1.5 mm²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	■ Single-piece housing with reinforced seal ■ Patented drawer opening system

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	EPDM

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



Bering 100

TASK LIGHTING

Optimum temp.	-35 °C to -20 °C
Technology	LED
Light output	1850 lm



PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
1850	BER100 12H830 POME PS3 SA	1560 0010	21		3000	697
	BER100 12H840 POME PS3 SA	1560 0020			4000	

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

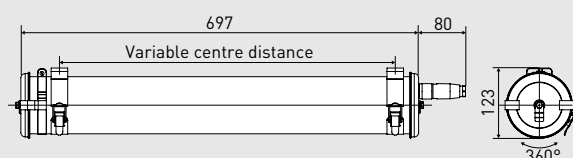
Light source	▪ High efficiency LED modules (133 lm/W) ▪ 50 000H L80/B50 ▪ Replaceable modules ▪ CRI > 80
Optics	▪ Light mixing chamber ▪ Special satinised LED diffuser
Thermal management	Aluminium heat sink
Electronic equipment	Special cold operation constant current output driver, non-dimmable
Power supply	220-240 V 50/60 Hz
Electrical class	Class I
Operating temperature	-40 °C to +35 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (3 x 1.5 mm ²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	▪ Single-piece housing with high mechanical and chemical resistance ▪ Long-term sealing maintained by axial screwing

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	Silicone

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel	MR
--	----

FIXINGS

Reinforced spring-loaded fixing straps	BRS
--	-----

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards
--

Celsius 70 SA 613 mm

TASK LIGHTING

Optimum temp.	-60 °C to -35 °C
Technology	LED
Light output	741 lm
Power supply	24V DC



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel MR

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
741	CEL70 24DC 2M6L10 POME PS2 SA	6430 0050	18		4000	613

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

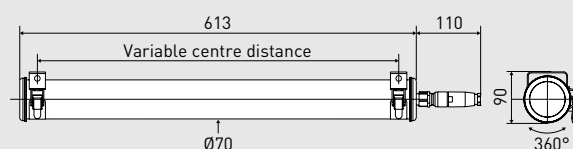
Light source	▪ LED modules for extreme cold developed by Sammode ▪ 50 000H L80/B50 ▪ Replaceable modules
Optics	Special satinised LED diffuser
Thermal management	Aluminium heat sink
Power supply	24V DC min 26V DC max
Electrical class	Class III
Operating temperature	-60 °C to +25 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (2 x 1.5 mm²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	▪ Single-piece housing with reinforced sealing through radial expansion of the gasket ▪ Closure by tightening the nut under the cable gland

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	EPDM

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



High-ceiling lighting

Hudson

HIGH-CEILING LIGHTING

Optimum temp.	-35 °C to +0°C
Technology	LED
Light output	7520 to 7990 lm



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel MR

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

Kit for loop in / loop out wiring:
1 WIELAND IP68 3-pole male plug

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
FOR RACK AISLES						
7990	HUDSON P1	1215 0010	100		4000	861
FOR MAIN AISLES						
7520	HUDSON P2	1215 0020	100		4000	861

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

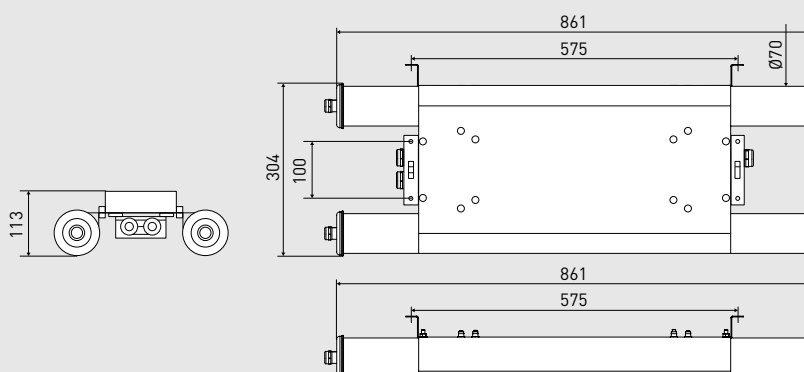
Light source	■ LED modules for extreme cold developed by Sammode ■ 50 000H L80/B50 ■ Replaceable modules
Optics	■ P1 Version: Special elliptical lenses for rack aisles ■ P2 Version: Special elliptical lenses for main aisles
Thermal management	Aluminium heat sink
Electronic equipment	Special cold operation constant current output driver, non-dimmable
Power supply	110-240 V 50/60 Hz
Electrical class	Class I
Operating temperature	-40 °C to +25 °C
Connection	Disconnectable plug, cable Ø 10-14 mm (3 x 4 mm ²)
Fixing	4-point fixing (Ø 8 mm)
Principe de construction	2 detachable optical blocks connected by disconnectable plugs on the support block

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps and support block	304L stainless steel
Gaskets	EPDM

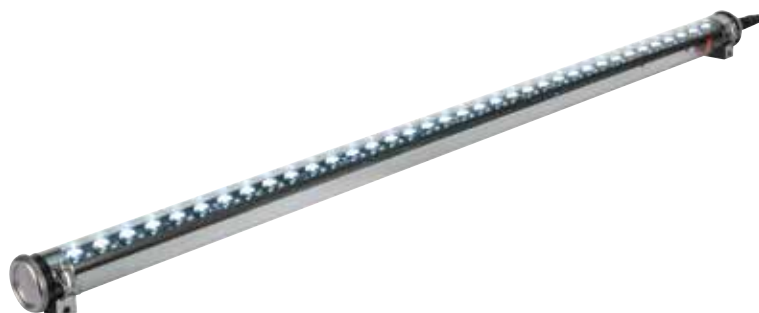
STANDARDS

Sealing	IP67
Shock resistance	IK10
Fire resistance	650°C



Celsius 70 W

HIGH-CEILING LIGHTING



Optimum temp.	-60 °C to -35 °C
Technology	LED
Light output	2514 lm
Power supply	24 V DC

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W)	Optics	T (°K)	L (mm)
2514	CEL70 24DC 6M6L10 POME PS2 W	6430 0080	55		4000	1613

* Flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

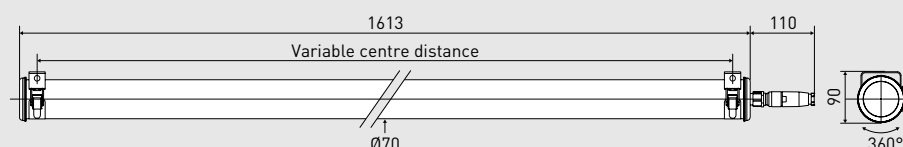
Light source	- LED modules for extreme cold developed by Sammode 50 000H L80/B50 - Replaceable modules
Optics	Elliptical lenses
Thermal management	Aluminium heat sink
Power supply	24V DC min 26V DC max
Electrical class	Class III
Operating temperature	-60 °C to +25 °C
Connection	Disconnectable plug, cable Ø 8-10 mm (2 x 1.5 mm²)
Fixing	2 spring-loaded stainless steel fixing straps
Method of construction	- Single-piece housing with reinforced sealing through radial expansion of the gasket - Closure by tightening the nut under the cable gland

MATERIALS

Diffuser	Special food processing housing in polycarbonate protected with a layer of co-extruded methacrylate
End caps, fixing straps, etc.	304L stainless steel
Gaskets	EPDM

STANDARDS

Sealing	IP68 and IP69K
Shock resistance	IK10
Fire resistance	650 °C



KEY FEATURES

- Plug and Play installation with disconnectable plug
- Designed for frequent on/off cycles
- Infrequent maintenance
- Resistant to detergents
- Durable and maintainable luminaires



OPTIONS

FINISHINGS

End caps and fixing straps in 316L stainless steel	MR
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ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards
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Emergency lighting

Maxwell 100 LSC AMB

EMERGENCY LIGHTING

Optimum temp.	-20 °C to +0°C
Application	Open area
Power supply	Central battery system
Technology	LED
Emergency output	330 lm



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 stainless steel MR

FIXINGS

Reinforced spring-loaded fixing straps BRS

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W) / (VA)	T (°K)	L (mm)
WITH CABLE GLAND					
330	MAX100 LSC AMB SA 113LN	1840 0020	7,9 / 16	4000	357
WITH DISCONNECTABLE PLUG					
330	MAX100 LSC AMB SA PS3	1840 0040	7,9 / 16	4000	357

* Rated flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

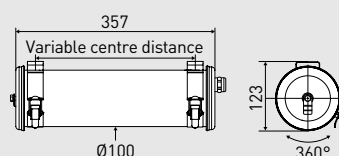
Light source	■ LED modules developed by Sammode ■ L80 ■ Replaceable modules	
Optics	■ Optimum light uniformity: 18 LEDs regularly distributed ■ Special satinised LED diffuser	
Electronic equipment	Constant voltage output driver	
Power supply	180-254 V 0/50/60 Hz	
Electrical class	Class I	
Operating temperature	-20 °C to +40°C	
Connection	Nickel-plated brass cable gland	Disconnectable plug
Cable Ø	5-14 mm	8-10 mm
Terminal block	3 x 2,5 mm²	3 x 1,5 mm²
Fixing	2 spring-loaded stainless steel fixing straps	
Method of construction	■ 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



Maxwell 100 LSC EVAC



EMERGENCY LIGHTING

Optimum temp.	-20 °C +0 °C
Application	Escape route
Power supply	Central battery system
Technology	LED
Emergency output	75 lm

PRINCIPAL PART NUMBERS

Light output * (lm)	Designation	Part No.	Cons. (W) / (VA)	T (°K)	L (mm)
WITH CABLE GLAND					
75	MAX100 LSC EVAC SA 113 LN	1840 0010	2 / 4	4000	357
WITH DISCONNECTABLE PLUG					
75	MAX100 LSC EVAC SA PS3	1840 0030	2 / 4	4000	357

* Rated flux leaving the luminaire

SPECIFICATIONS

TECHNICAL FEATURES

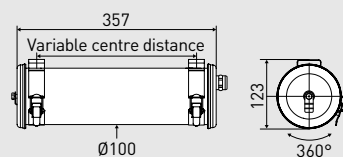
Light source	- LED modules developed by Sammode - L80 - Replaceable modules	
Optics	- Optimum light uniformity: 6 LEDs regularly distributed - Special satinised LED diffuser	
Electronic equipment	Constant current output driver	
Power supply	Central battery system 220-240 V 0/50 Hz	
Electrical class	Class I	
Operating temperature	-20 °C to +40 °C	
Connection	Nickel-plated brass cable gland	Disconnectable plug
Cable Ø	5-14 mm	8-10 mm
Terminal block	3 x 2,5 mm ²	3 x 1,5 mm ²
Fixing	2 spring-loaded stainless steel fixing straps	
Method of construction	- 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 stainless steel	MR
--	----

FIXINGS

Reinforced spring-loaded fixing straps	BRS
--	-----

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards
--

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



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 stainless steel	MR
--	----

FIXINGS

Reinforced spring-loaded fixing straps	BRS
--	-----

ACCESSORIES

Spacers (5 or 20 cm) for fire safety standards	
--	--

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

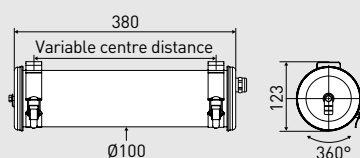
Light source	▪ LED modules for cold operation developed by Sammode ▪ L80 ▪ Replaceable modules	
Optics	Special satinised LED diffuser	
Thermal management	Aluminium heat sink	
Power supply	24 V DC	
Electrical class	Class III	
Operating temperature	-60 °C to +25 °C	
Connection	Nickel-plated brass cable 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	▪ 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



Options and accessories

Options and acces



Simplifying the mounting, adapting and making an installation safe, Sammode offers all the options and accessories you need to complete the installation of the luminaire.

FIXINGS

REINFORCED FIXING STRAPS	COMPATIBILITY	CODE	
▪ Set of two reinforced spring-loaded stainless steel fixing straps for fast opening and closing. ▪ Essential for fixing borosilicate glass luminaires ▪ Recommended for fixing wall-mounted fixtures ▪ Recommended when the fixture is mechanically stressed	Ø100 and Ø133 tubular ranges	BRS	

FINISHINGS

MARINE 316L STAINLESS STEEL	COMPATIBILITY	CODE	
▪ External metal parts for luminaires in 316L stainless steel and A4 stainless steel screws (base models have these made in 304L stainless steel and A2 stainless steel screws). ▪ Excellent resistance to pitting corrosion, especially recommended for marine applications.	All tubular ranges and floodlights	MR	

sories



ACCESSORIES

SPACERS FOR CEILING MOUNTING OF FIXING STRAPS	COMPATIBILITY	CODE	
- Kit consists of 2 x 304L stainless steel spacers to fix luminaires to ceilings in accordance with fire safety standards, i.e. a minimum distance of 20 cm between the equipment and the facing of the sandwich panel. - Hardware supplied for attaching the fixing straps. - Stainless steel 316L on request.	All tubular ranges and the Hudson range	PU44277	
SPACERS FOR WALL MOUNTING OF FIXING STRAPS	COMPATIBILITY	CODE	
- Kit consists of 2 x 304L stainless steel spacers to fix luminaires to the surfaces of walls in accordance with fire safety standards, i.e. a minimum distance of 5 cm between the equipment and the facing of the sandwich panel. - Hardware supplied for attaching the fixing straps. - Stainless steel 316L on request.	All tubular ranges	PU44278	
KIT FOR LOOP IN / LOOP OUT WIRING	COMPATIBILITY	CODE	
1 x 3-pole male plug	Hudson range	PU43735	

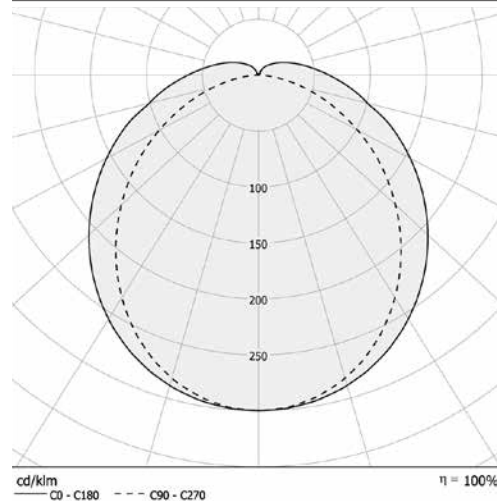
SPARE PARTS

Spare parts are available for all our luminaires.
 For orders or information, please contact us by phone at +33 (0)1 43 14 84 90 or by email to enquiry@sammode.com.

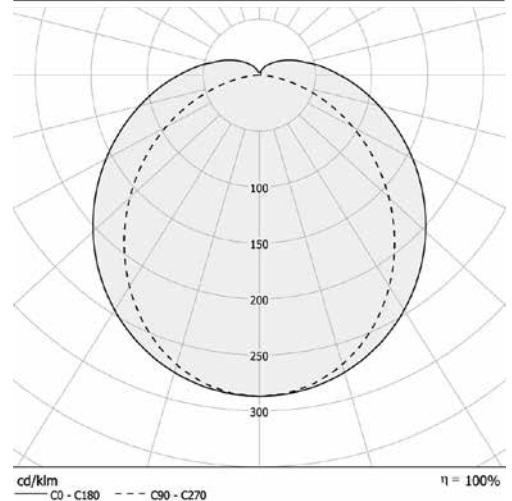
Photometric polar

GENERAL LIGHTING

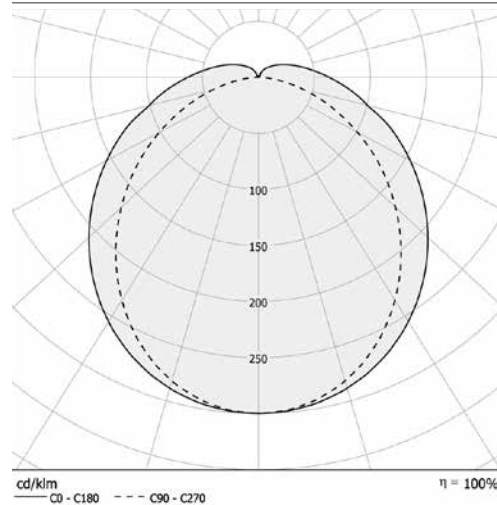
AMUNDSEN 100



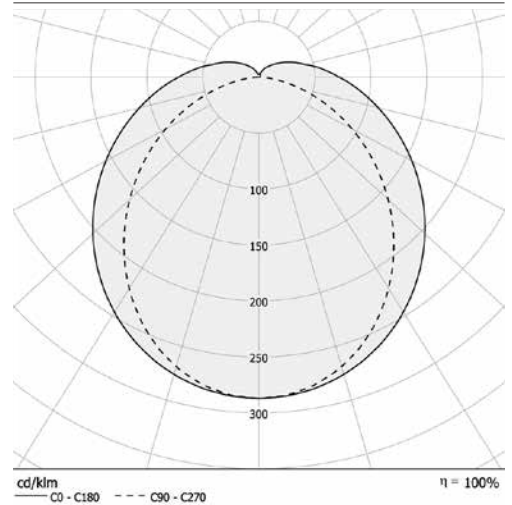
AMUNDSEN 133



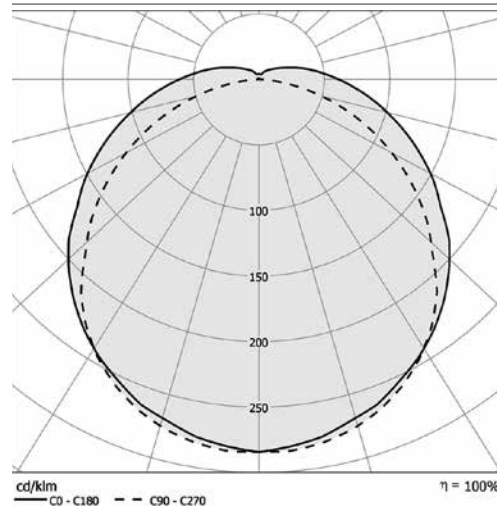
BERING 100



BERING 133



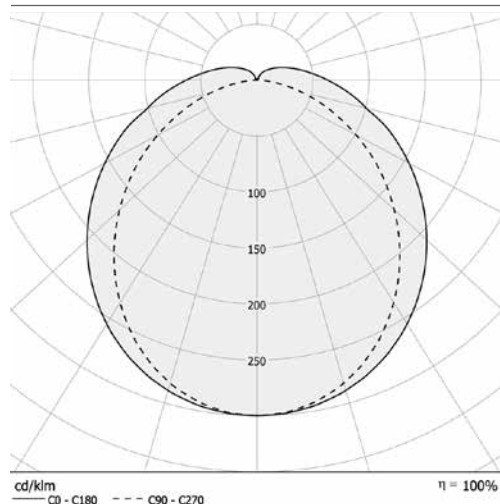
CELSIUS 70 SA (1613 MM)



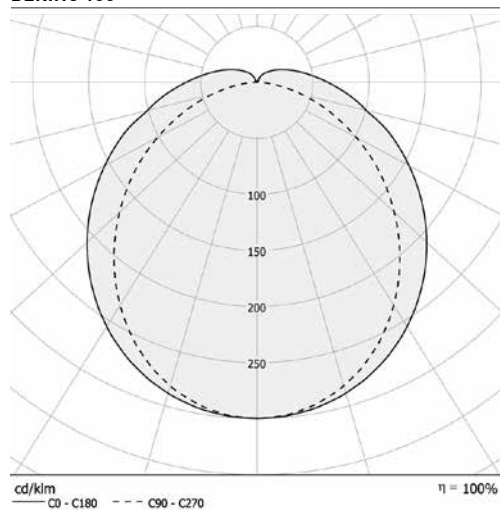
diagrams

TASK LIGHTING

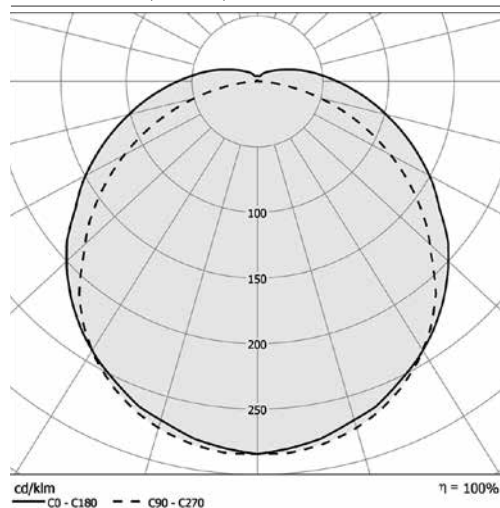
AMUNDSEN 100



BERING 100

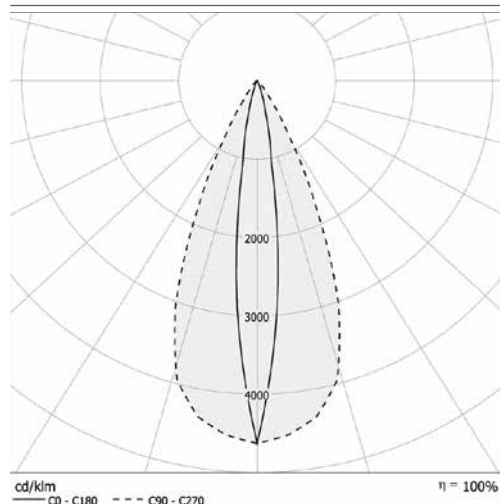


CELSIUS 70 SA (613 MM)

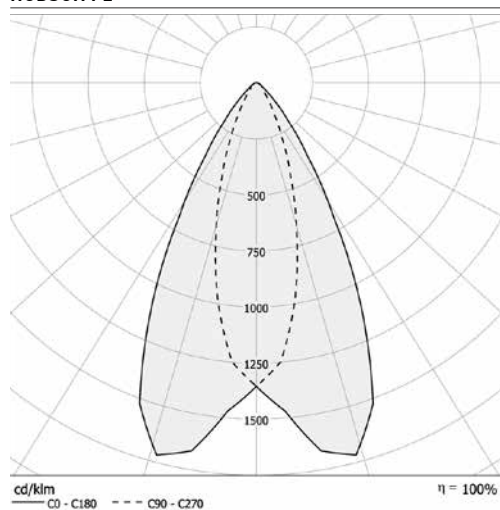


HIGH-CEILING LIGHTING

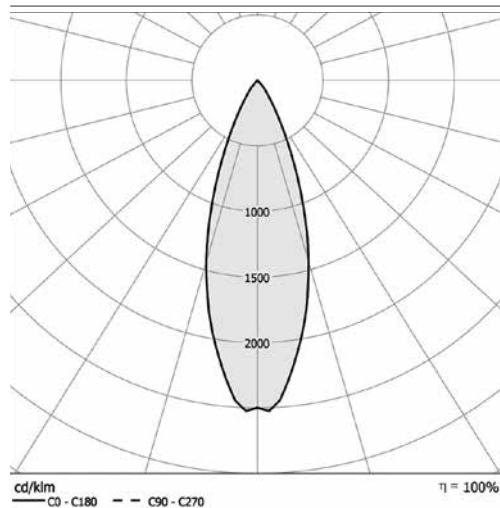
HUDSON P1



HUDSON P2



CELSIUS 70 W







This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Sammode is a family business established in 1927, specialising in professional lighting. For four generations we have been designing and manufacturing luminaires for architecture and industry in our factory in the French Vosges. Our lighting solutions are renowned for their quality, performance and durability.



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