

BARENTS X-Cold

ø133 high ceiling tube light for very low temperature storage areas



BARENTS X-Cold

ø133 high ceiling tube light for very low temperature storage areas



Cold rooms with high shelving require reliable lighting and optimised light distribution. The BARENTS, specifically equipped with an LED light source with high-efficiency intensive lens, combines the optical qualities of a spotlight with the legendary seal qualities of Sammode tube lights. The icing on the cake is a disconnect connector, reinforced against frost and humidity ingress, which facilitates installation, even at a height of 15 m. The result: powerful, uniform and energy-saving lighting, but above all incredible reliability and durability.



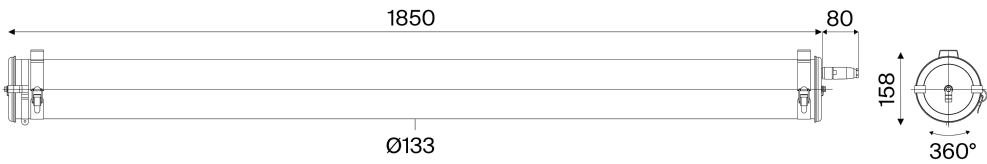


BARENTS X-Cold

ø133 high ceiling tube light for very low temperature storage areas



Sammode



Disconnectable quick-lock plug version

CRI80, 4000K, elliptical beam, special for high-ceilinged spaces



| Flux (lm) | L (mm) | Designation | Code | Watt |
|-----------|--------|----------------------------|----------|------|
| 13700 | 1850 | BAR133 16H840 POME PS3 BRS | 32100020 | 115 |

Models fitted with reinforced electronics for repeated switching on and off at very low temperatures, and specific silicone seals for impermeability even across a wide temperature range.

Options

| Cable entry | Fixing straps | Color temperature |
|---|--|--|
| | | 3000K 830 4000K 840 5000K 850 |
| Cable gland | Materials | Lighting management |
| Polyamide capacity Ø5-12mm 113 Polyamide capacity Ø7-14mm 116 Nickel-coated brass capacity Ø5-14 mm 113LN | Reinforced fixing straps Reinforced fixing straps with HSHC screw | Electronic gear unit for DALI dimming RD Switch-off warning function (for sensor/timer) RC Built-in presence sensor for high bay (length increased by 85mm) SIHB |
| Disconnectable plugs | End caps & fixing straps 304L stainless steel End caps & fixing straps 316L stainless steel | - MR |

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 cable 3G1,5 ² Stripped free end CAB0080 Wieland® plug IP68/IP69K CAB0095 (capacity : Ø10-14mm) Wieland® plug and Y splitter for loop-in/out CAB0145 Other lengths: consult us | |



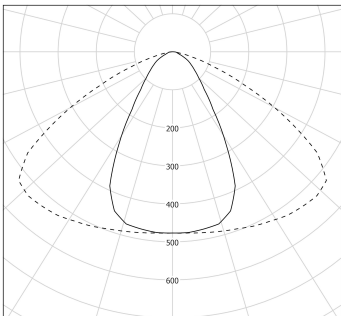
BARENTS X-Cold

ø133 high ceiling tube light for very low temperature storage areas

Specification



Photometry



Technical characteristics

| | |
|-----------------------|--|
| Light source | High-efficiency removable LED module (3 SDCM) 70 000 h L80/B10 even at min. operating temperature |
| Optics | Intensive linear lens (elliptical) for high-ceilinged spaces |
| 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 Electronic compatible with central source |
| Supply voltage | 220-240V $\pm 10\%$ 0/50/60Hz |
| Electrical class | Class I |
| Operating temperature | -40°C to +25°C |

Easy installation and maintenance

| | |
|------------------------|---|
| Connection | With disconnectable plug Ø 8 to 10 mm cable (3 x 1,5 mm ²) |
| 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 | 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) |