

Frost

9.5W 15000h BX

Frost-resistant LED lamps for cold winter conditions

The lamps in the Frost range are specifically designed for cold environments. The LED frost lamp does not release unnecessary waste heat and maintains reliable operation all year round. The operating temperature range is exceptionally wide, from -40°C to $+40^{\circ}\text{C}$. Technical specifications are clearly presented on the packaging. Standard bulb models (A60) are available in warm white 2800 K or cool white 4000 K. The cylindrical Tubular lamps (TUB37) are ideal for slim outdoor luminaires. Tubular lamps emit white light at 3000 K or cool white light at 4000 K.

Opal tubular LED lamp for cold environments, -40°C , 9.5W, 3000 K, E27, 1055 lm, 15,000 h, 45x152 mm, cardboard packaging. Frequency $\sim 50/60$ Hz.



9.5W 15000h BX

PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4714168		0.076	Frost

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EC001959

Mounting

Degree of protection (IP)	IP20
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Structure

Material of light bulb	Plastic
Colour	White
Housing colour	White
Energy efficiency class	E

Dimming and control

Dimmable	No
Dimming trailing edge	No
Dimming leading edge	No
Dimming Touch and Dim	No
Dimming Zigbee	No
Dimming Bluetooth	No
Dimming Wi-Fi	No
No dimming function	Yes
Remote operation possible	No
With movement sensor	No
With remote control	No
With twilight switch	No
Compatible with Apple HomeKit	No
Compatible with Google Assistant	No
Compatible with Amazon Alexa	No
IFTTT support available	No

Photometric data

Luminous flux (min) (lm)	1055
Luminous flux (max) (lm)	1055
Colour rendering index (CRI/Ra)	80-89
Colour of light acc. EN 12464-1	Warm <3300 K
Colour temperature (min) (K)	3000
Colour temperature (max) (K)	3000
Beam angle (min) (°)	270
Beam angle (max) (°)	270
Colour consistency (McAdam ellipse)	SDCM6
Photobiological safety according to EN 62471	RG1

Lifetime and capacity

Measurements

Diameter (mm)	45
Length (mm)	152

Electrotechnical data

Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Nominal current (min) (mA)	54
Nominal current (max) (mA)	54
Power factor	0.5
Lamp power (min) (W)	9.5
Lamp power (max) (W)	9.5
Voltage type	AC
Energy Efficiency Index (EEI)	0.118