

Frost

11W 25000h 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 classic LED lamp for cold conditions, -40°C , 10.5W 4000K E27 1100lm 25000h 60x118mm, cardboard packing. Supply frequency $\sim 50/60\text{Hz}$.



11W 25000h BX

PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4711504	A7LEBB	0.064	Frost

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EC001959

Mounting

Degree of protection (IP)	IP20
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Structure

Colour	White
Housing colour	White

Dimming and control

Dimmable	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)	1100
Luminous flux (max) (lm)	1100
Colour rendering index (CRI/Ra)	80-89
Colour of light acc. EN 12464-1	Neutral 3300-5300 K
Colour temperature (min) (K)	4000
Colour temperature (max) (K)	4000
Beam angle (min) (°)	240
Beam angle (max) (°)	240
Colour consistency (McAdam ellipse)	SDCM6
Photobiological safety according to EN 62471	RG0

Lifetime and capacity

Measurements

Diameter (mm)	60
Length (mm)	118

Electrotechnical data

Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Nominal current (min) (mA)	63
Nominal current (max) (mA)	63
Power factor	0.5
Lamp power (min) (W)	11
Lamp power (max) (W)	11
Voltage type	AC
Energy Efficiency Index (EEI)	0.132