

PRODUCT DATASHEET LED Special T26 20 200° P 2.3W 827 Frosted E14

LED SPECIAL T26 P | Special LED lamps for refrigerators



Areas of application

- Small designer luminaires
- Domestic refrigerators
- Sewing machines
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Extremely small dimensions
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Long lifetime of up to 15,000 h
- Four year guarantee
- Lower energy consumption than incandescent or halogen lamps

Product features

- LED alternative to conventional high voltage lamps
- Good quality of light; color rendering index Ra; ≥ 80; constant chromaticity





TECHNICAL DATA

Electrical data

Nominal wattage	2.3 W
Construction wattage	2.30 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	20 W
Nominal current	22 mA
Type of current	AC
Inrush current	4.6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	106
Max. lamp number on MCB B16 A	169
Total harmonic distortion	< 175 %
Power factor λ	0.40

Photometrical data

Luminous flux	200 lm
Nominal useful luminous flux 90°	200 lm
Luminous efficacy	87 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4



EPREL data spectral diagram PROF LEDr 2700K

Light technical data

Beam angle	200 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	58.00 mm
Diameter	25.00 mm
Maximum diameter	25 mm
Product weight	12.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	72 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	E14
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value
Capabilities	
Dimmable	No
Certificates & Standards	
Energy efficiency class	F 1)
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1
1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lo	owest efficiency)
Country-specific categorizations	
Country-specific categorizations Order reference	LED T26 20 2.3W
Country-specific categorizations Order reference LOGISTICAL DATA	LED T26 20 2.3W
Country-specific categorizations Order reference	
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage	LED T26 20 2.3W
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage	LED T26 20 2.3W
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015	LED T26 20 2.3W -20+80 °C
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used	LED T26 20 2.3W -20+80 °C
Country-specific categorizations Order reference OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional	LED T26 20 2.3W -20+80 °C LED NDLS
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains	LED T26 20 2.3W -20+80 °C LED NDLS MLS
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface)	LED T26 20 2.3W -20+80 °C LED NDLS MLS E14
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	LED T26 20 2.3W -20+80 °C LED NDLS MLS E14 No
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source	LED T26 20 2.3W -20+80 °C LED NDLS MLS E14 NO NO
Country-specific categorizations Order reference LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	LED T26 20 2.3W -20+80 °C LED NDLS MLS E14 No No No

Yes

58.00 mm

25.00 mm

25.00 mm

Claim of equivalent power

Length

Height

Width

Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0,90
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1368322
Model number	AC45895,AC45895

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

	Documents and certificates	Document name	
PDF	Declarations of conformity	LED T26 PT26 E14	
	Photometric and lighting design files	Document name	
	The combine and lightling accign lines	2004.11011.110	
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 2700K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854066993	Folding box 1	28 mm x 28 mm x 67 mm	17.00 g	0.05 dm ³
4099854067006	Shipping box 20	150 mm x 122 mm x 77 mm	310.00 g	1.41 dm ³
4099854067013	Shipping box 120	256 mm x 160 mm x 248 mm	2391.00 g	10.16 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

- For dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.