

## PRODUCT DATASHEET

# Radium Special LED T26 40 300° Filament 4.2W 827 E14

PARATHOM® SPECIAL T26 | 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

### Product features

- LED alternative to conventional high voltage lamps
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



## TECHNICAL DATA

### Electrical data

Nominal wattage	4.2 W
Construction wattage	4.20 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	35 mA
Type of current	AC
Inrush current	0.53 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	141
Max. lamp no. on circuit break. 16 A (B)	226
Total harmonic distortion	< 175 %
Power factor $\lambda$	> 0.40

### Photometrical data

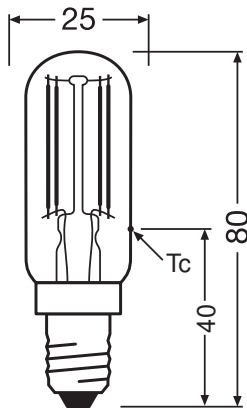
Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	111 lm/W
Lumen main.fact.at end of nom.life time	0.90
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	$\leq 1$
Stroboscope effect metric (SVM)	$\leq 0.4$



**Light technical data**

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

**Dimensions & Weight**



Overall length	83.00 mm
Diameter	25.00 mm
Maximum diameter	25 mm
Product weight	11.00 g

**Temperatures & operating conditions**

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	80 °C

**Lifespan**

Lifespan L70/B50 at 25 °C	15000 h
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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	Clear
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
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### Certificates & Standards

Energy efficiency class	E <sup>1)</sup>
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

### Country-specific categorizations

Order reference	RLT2640 CL 4,2W
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### LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	E14
Connected light source (CLS)	No
Color-tunable light source	No

Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Networked standby power for CLS	0 W
Claim of equivalent power	Yes
Length	83.00 mm
Height	25.00 mm
Width	25.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1368321
Model number	AC45892

## DOWNLOAD DATA

### Documents and certificates



Declarations Of Conformity CE

### Photometric and lighting design files



Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597207891	Folding box 1	28 mm x 28 mm x 84 mm	15.00 g	0.07 dm <sup>3</sup>
4008597507892	Shipping box 20	150 mm x 122 mm x 94 mm	341.00 g	1.72 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597607899	Shipping box 120	378 mm x 162 mm x 206 mm	2198.00 g	12.61 dm <sup>3</sup>

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.

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### References / Links

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)
- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)

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