LEDline Essence TS, R7s, RL-TS 100 12,5W/230/C/827/R7S

Radium

General Data

Article No.	43219496
Code	RL-TS 100 827/C/R7S
Product EAN	4008597194962
Customs tariff no.	85395000
Box quantitiy (pcs.)	20
EAN Box	4008597494963
Gross weight of box in kg	1.314
Length of box in m	0.16
Width of box in m	0.13
Height of box in m	0.13
ETIM class	EC001959
ETIM class name	LED-lamp/Multi-LED
Product status	Phase Out

Electric Parameters

Nominal power	12,5 W
Rated wattage	12.5 W
Weighted energy consumption in 1,000 hours	12,5 kWh
Power factor	0.50
Nominal voltage	220-240 V
Voltage type	AC
Nominal current (mA)	100 mA
max. no. of Lps with 16A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	69
max. no. of Lps with 10A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	43
dimmable	No

Light Application Parameters

Rated lamp luminous flux	1521 lm
Luminous flux in 90°-sector	1521 lm
Luminous intensity	200 cd
Beam angle	300 °
Luminous efficiency	121,68 lm/W
Colour temperature	2700 K
Colour rendering index Ra	≥ 80
Colour Stability	≤ 6 sdcm

Service Life

Mean service life	15000 h
Average nominal lifespan	15000 h
No. switching cycles	100000
Lamp survival factor at 6000h	≥ 0.90
Early failure rate at 1000h	≤ 5.0 %
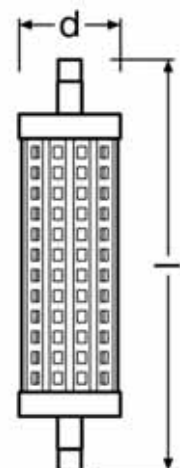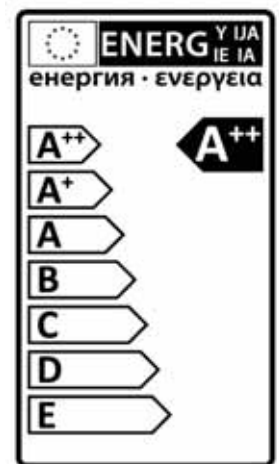
Specification

Energylabel from 2013	A++
Diameter max.	29 mm
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Length max.	118 mm
Length	78 mm
Contact distance	114.2 mm
Burning position	beliebig
Mercury content	0.0 mg
Lamp shape	Tube, double-ended
Finish	clear
Base	R7s
Colour	White

Notes on Operation

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Degree of protection (IP)	IP20
Ambient temperatures	-20...+40 °C
Tc Temperature max.	97 °C
Ambient temperature range operation	-20...+40 °C

Notes

LED tubular lamp for exchange with halogen lamps, warm white light, not dimmable, base R7s. LED light does not contain UV or IR radiation.

Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.
The field 'info about service life' contains the frame conditions according to standards based on which the specific service life has been determined. So, for example, "12B50, 50Hz" means that the mean service life (B50) has been determined with a 12h switching cycle at mains (frequency 50Hz), "3B50, HF" is based on a 3h switching cycle at electronic control gear (high frequency).

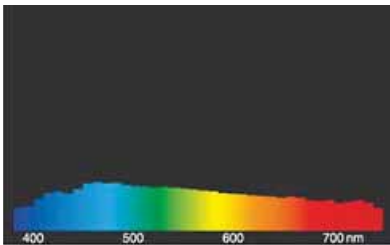## Notes

Base
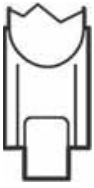
R7s
IEC/EN 60061-1
sheet 7004-92A-4

Spectrum

As daylight is a mixture of direct sunlight and light from the sky, the spectral distribution changes all the time due to the time of the day and the weather. The standard illuminant D65 corresponds to daylight with colour temperature of about 6500K.
The colour of coloured LEDs depends on the chemical elements within the light generating chip. The coloured light is generated directly and does not need filtering.
White LEDs are either RGB (red + green + blue chip in one LED = light colour white) or blue LED-chips with yellow/orange phosphor in the resin.
Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm)per 10nm.

daylight(D 65)

Special features

General notes

For LED replacement of halogen and incandescent lamps, we recommend direct replacement (1: 1) at the respective burning position. For new systems, the number of lamps in the circuit operated at control gear such as transformers or dimmers can be obtained from corresponding compatibility lists (if available). If there is no specification for the type of device or lamp required, for safety reasons, the replacement power shall be assumed as taht of the original halogen type (eg "RL-MR16 35" -> 35W, independent of the real power consumption).

The technical design data in accordance with DIN and IEC. The producer does not take any responsibility for damage to persons or property in case of unsuitable operation or handling of the product. Operating data and dimensions are valid within the usual tolerances. Related lamp types (different bases, mains voltages) may be available on request. Sale and delivery are effected in accordance with the Radium Terms of Delivery and Payment valid on the day of conclusion of contract. Packing units offer economical advantages to the purchase and logistic department. Please match your quantity volume accordingly. For orders of a minimum quantity (clefts) with a lamp model the amount lower than the volume of each packaging unit, we will invoice 10 % additional charge per lamp type. Technical changes and terms of delivery are reserved. Manipulation of any kind to packaging or product is not permissible as this will violate Radium brand rights. Furthermore, technical properties of the product can change to its disadvantage or even destruction. Therefore, Radium cannot be responsible for consequential damages.
® = Registered trademark
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Safety instructions

To ensure full light efficiency and product life, it is recommended to remove the glass or cover of the luminaire. When operated with existing control gear, their compatibility with the lamp must be checked.

All technical data without guarantee.