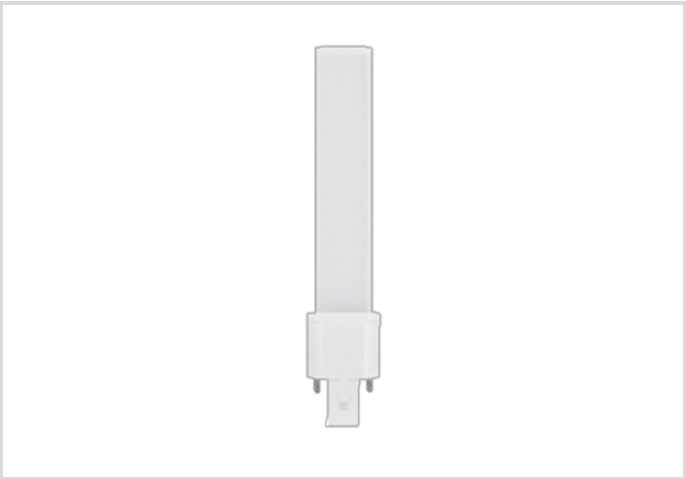
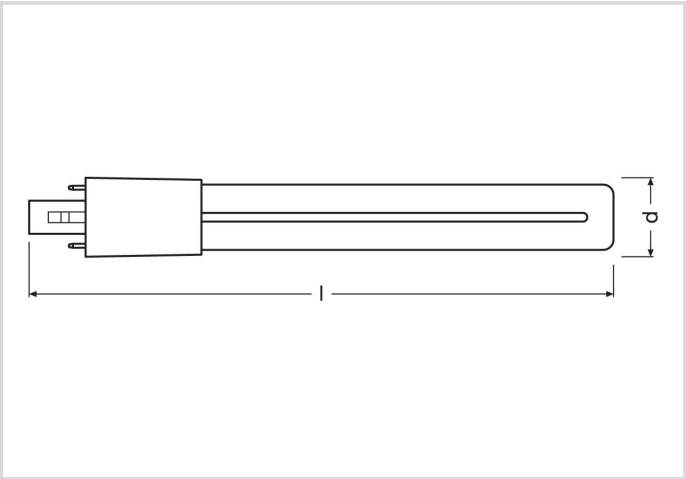
LED Essence S - Retrofit for Ralux S

RL-S9 4,5W/840/G23 EM

Radium

Product Datasheet Date: 10.11.2026





A+	4,5	500	4000K	30 000h

General Data

Artikel Nr.	43019368
Bestellzeichen	RL-S9 840/G23 EM
EAN-Faltschachtel	4008597193682
Versandeinheit in Stk.	10
EAN Umkarton (Versandeinheit)	4008597493683
Brutto-Gewicht Versandeinheit in kg	0.75
Länge Versandeinheit in m	0.195
Breite Versandeinheit in m	0.19
Höhe Versandeinheit in m	0.072
Product weight	42 g
Produktstatus	Inaktiv

Electric Parameters

Wattage	4.5 W
Nominal power	4.5 W
Weighted energy consumption in 1000 hours	5 kWh
Lamp power	4.5-4.5 W
Power factor	> 0.50

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Electric Parameters

Power factor	0,5
Nominal voltage	220-240 V
Voltage type	AC
Nominal current (mA)	40 mA
max. no. of lamps at 10A-B10 automatic fuse	120
max. no. of lamps at 16A-B16 automatic fuse	192
dimmable	Nein

Light Application Parameters

Luminous flux	500 lm
Rated lamp luminous flux	500 lm
Luminous flux	500-500 lm
Luminous flux in 90°-sector	500 lm lm
Luminous flux in 120°-sector	500 lm lm
Beam angle	120 °
Efficacy / Luminous efficiency	111 lm/W
Total mains efficacy	111 lm/W
Light colour	Neutral white
Color temperature	4000 K
Color rendering index	≥ 80
Color rendering index nominal	80-89

Service Life

Average life	30000 h
Mean service life	30000 h
No. switching cycles	200000
Early failure rate at 1000h	≤ 5.0 %
Guarantee	3 years

Specification

Energylabel notice	old label, no EPREL registration, no EU data sheet
Energylabel (E -> A++)	A+
Diameter	33 mm
Length max.	166 mm mm
Length	166 mm
Burning position	any

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Specification

Mercury content	0.0 mg
Lamp shape	Tube, single-ended
Base	G23
Colour	White

Notes on Operation

IP Class (Room/Ceiling)	IP20
Burning position	any
Mode of operation	CCG, 230V
suitable for tandem circuit	Ja
Range of storage temperature	-20…+80 °C
Ambient temperatures	-20…+45 °C
With movement sensor	Nein

Information especially for EPREL

Energylabel notice	old label, no EPREL registration, no EU data sheet
Lighting technology	LED
Directional or non-directional light	NDLS
Color tunable light source	Nein
Type of color temperature	SINGLE_VALUE
Life factor EPREL	0.9
Lumen maintenance EPREL	0.93

Notes

LED compact lamp to exchange with Ralux S, neutral white, plastic body, not dimmable, base G23.

Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.
The "lifespan L70" described for LED lamps indicates the number of hours when the luminous flux has decreased to 70% of its initial value.
The optinal 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).

Sockelübersicht



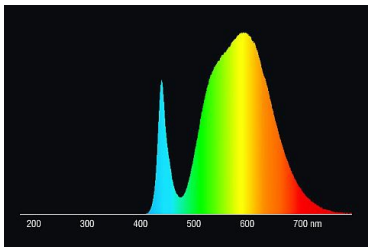
G23
IEC/EN 60061-1
sheet 7004-69-1

Spektrale Strahlungsverteilung

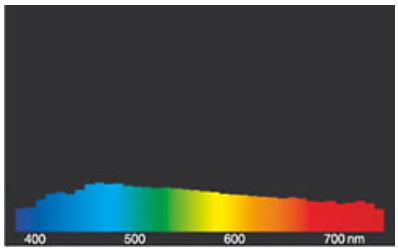
As daylight is a mixture of direct sunlight and light from the sky, the spectral distribution changes all the time due to the time of the day and the weather. The standard illuminant D65 corresponds to daylight with colour temperature of about 6500K.
The colour of coloured LEDs depends on the chemical 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.

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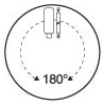


LED retrofit lamps 4000K



daylight(D 65)

Besonderheiten









Allgemeine Hinweise

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
Subject to change without notice. Errors and omissions excepted.

Sicherheitshinweise

To ensure full light efficiency and product life, the permissible temperature ranges must be observed and dry environment ensured. When operated with existing control gear, their compatibility with the lamp must be checked.

All technical data without guarantee.