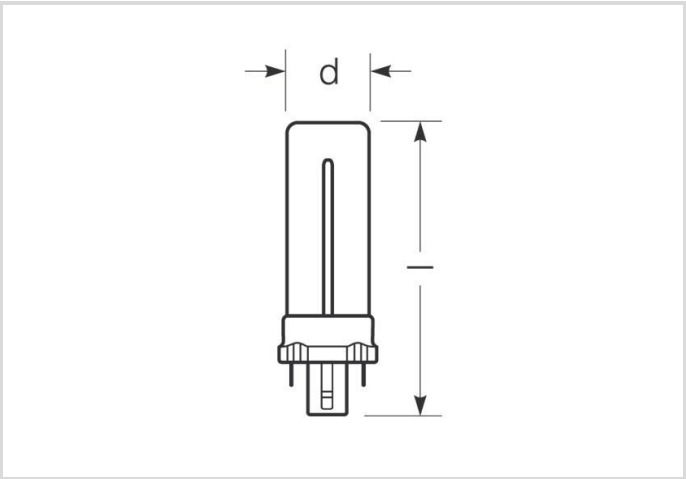
Compact fluorescent lamp Ralux®
RX-S 7W/840/G23

Radium

Product Datasheet Date: 03.11.2026







B | G | 400 | 4000K | 10 000h

General Data

Article No.	31315720
Code	RX-S 7W/840/G23
Product EAN	4008597157202
Box quantitiy (pcs.)	10
EAN Box	4008597457203
Gross weight of box in kg	0.35
Length of box in m	0.151
Width of box in m	0.129
Height of box in m	0.078
Product weight	27 g
Product status	Inactive

Electric Parameters

Wattage	7.1 W
Lamp nominal wattage	7 W
Weighted energy consumption in 1000 hours	10 kWh
Lamp voltage	47 V
Mains voltage	230 V

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Electric Parameters

Compensation capacitor for 50Hz operation	2.1 µF

Light Application Parameters

Luminous flux	400 lm
Rated lamp luminous flux	400 lm
max. luminous flux at	25 °C
Efficacy / Luminous efficiency	57.14 lm/W
Light colour	white
Code of light color	840
Colour temperature	4000 K
Color rendering index	80-89
Mean luminance	2.6
Lumen maintenance at 2000h	0.85
Lumen maintenance at 4000h	0.78
Lumen maintenance at 6000h	0.76
Lumen maintenance at 8000h	0.75

Service Life

Average life	10000 h
No. switching cycles	>20000
Lamp survival factor at 2000h	0.98
Lamp survival factor at 4000h	0.98
Lamp survival factor at 6000h	0.98
Lamp survival factor at 8000h	0.97

Specification

Energylabel notice	old label, no EPREL registration, no EU data sheet
Energylabel (G -> A)	G
Energylabel (E -> A++)	B
Diameter	27 mm
Length	137 mm
Total length max.	137 mm
Length	137 mm
Mercury content	1.4 mg
Base	G23
Colour	White

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Information especially for EPREL

Energylabel notice	old label, no EPREL registration, no EU data sheet
EPREL ID number	868425

Miscellaneous

EU-date of phase-out	25.02.2023
EU Directive	RoHS
Similar products	31320222

Notes

Compact fluorescent lamp, light colour 840, high luminous efficiency, good colour rendering, long life, base G23. Non-dim, with integral starter.

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).

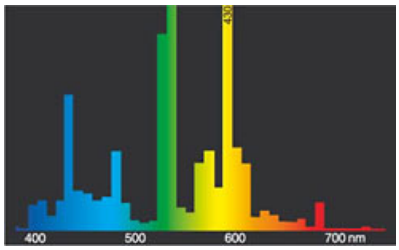
Base



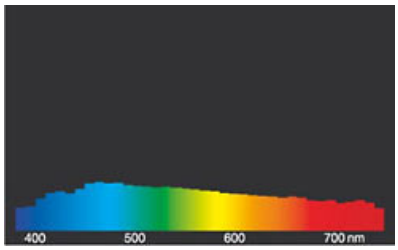
G23
IEC/EN 60061-1
sheet 7004-69-1

Spectrum

Natural daylight is a mixture of direct sunlight and the light of the sky. Therefore, its spectral composition changes permanently due to the changing time of day. The standardised light classification D65 corresponds to a daylight with a colour temperature of approximately 6500 K.
Every fluorescent lamp type has got an individual spectral power distribution according to its phosphor coating inside the bulb. From this result important properties light colour or colour rendering.
Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm) per 10nm.

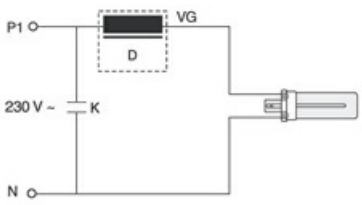


light colour 840 Spectralux® white (21)



daylight(D 65)

Circuit diagram(s)



Einzelschaltung mit VVG für Ralux® (Starter integriert)
Zeichenerklärung:
D = Drossel
VG = Vorschaltgerät Konventionell (KVG/VVG)
P = Phase
N = Null-Leiter
K = Kompensations-Kondensator

Die notwendigen Geräte (hier nur Vorschaltgerät) zum Betrieb der Lampe sind normalerweise bereits in den dafür geeigneten Leuchten in der entsprechenden Schaltung installiert. Änderungen aller Art sind daher nur von qualifiziertem Fachpersonal durchzuführen. Dieses Schaltungsbeispiel ist daher lediglich als technische Hintergrund-Information für

interessierte Anwender zu verstehen.

Special features



General notes
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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All technical data without guarantee.