

# Compact fluorescent lamp Ralux® Duo

RX-D 18W/840/G24D

# Radium

Product Datasheet Date: 05.04.2026



A



G



1200



4000K



10 000h

## General Data

Article No.	31316920
Code	RX-D 18W/840/G24D
Product EAN	4008597169205
Box quantity (pcs.)	10
EAN Box	4008597469206
Gross weight of box in kg	0.514
Length of box in m	0.185
Width of box in m	0.078
Height of box in m	0.168
Product weight	45 g
Product status	<span style="color: red;">●</span> Inactive

## Electric Parameters

Wattage	18.0 W
Lamp nominal wattage	18 W
Weighted energy consumption in 1000 hours	23 kWh
Lamp voltage	100 V
Mains voltage	230 V

## Electric Parameters

Compensation capacitor for 50Hz operation	2.2 µF
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## Light Application Parameters

Luminous flux	1200 lm
Rated lamp luminous flux	1200 lm
max. luminous flux at	25 °C
Efficacy	66.67 lm/W
Light colour	white
Code of light color	840
Colour temperature	4000 K
Color rendering index	80-89
Mean luminance	4.5
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
Lamp survival factor at 2000h	0.99
Lamp survival factor at 4000h	0.99
Lamp survival factor at 6000h	0.95
Lamp survival factor at 8000h	0.81

## Specification

Energylabel notice	old label, no EPREL registration, no EU data sheet
Energylabel (G -> A)	G
Energylabel (E -> A++)	A
Diameter	27 mm
Length	154 mm
Total length max.	154 mm
Length	153 mm
Mercury content	1.4 mg
Base	G24d-2
Colour	White

## Information especially for EPREL

Energylabel notice	old label, no EPREL registration, no EU data sheet
EPREL ID number	868517

## Miscellaneous

EU-date of phase-out	25.02.2023
EU Directive	RoHS
Similar products	31319827, 43420564

## Notes

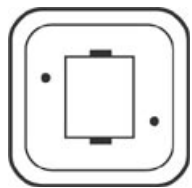
Compact fluorescent lamp, light colour 840, high luminous efficiency, good colour rendering, long life, base G24q. Controllable by Dim-ECG.

Please, refer to [www.radium.de/recycling](http://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 optimal 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



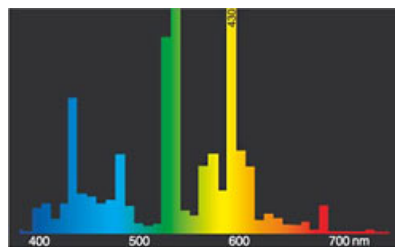
G24d  
IEC/EN 60061-1  
sheet 7004-78-5

### Spectrum

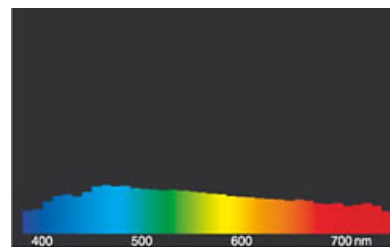
Natural daylight is a mixture of direct sunlight and the light of the sky. Therefore, its spectral composition changes permanently due to the changing time of day. The standardised light classification D65 corresponds to a daylight with a colour temperature of approximately 6500 K.

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)



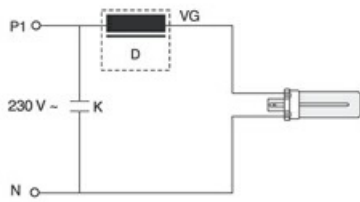
daylight(D 65)

### Circuit diagram(s)

# Compact fluorescent lamp Ralux® Duo

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**Radium**



Einzelanschaltung 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.

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All technical data without guarantee.