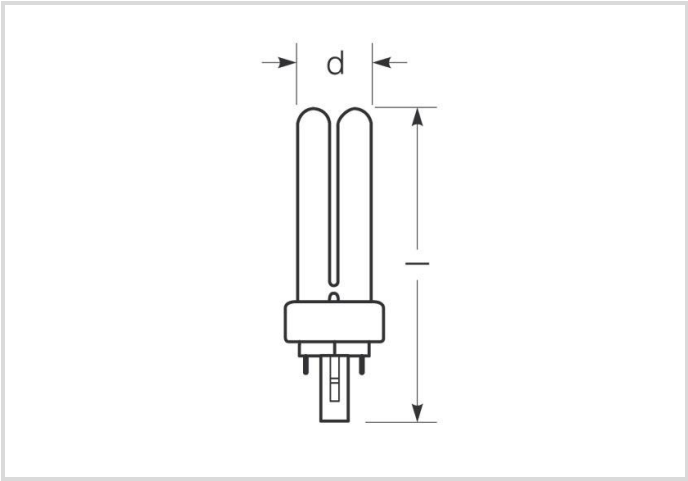
# Compact fluorescent lamp Ralux® Duo/E

RX-D/E 18W/840/G24Q

Radium

Product Datasheet Date: 20.11.2026






| A | G | 1200 | 4000K | 12 000h | Dimmable |
|---|---|---|---|---|---|

## General Data

| | |
|---|---|
| Article No. | 31311129 |
| Code | RX-D/E 18W/840/G24Q |
| Product EAN | 4008597111297 |
| Box quantitiy (pcs.) | 10 |
| EAN Box | 4008597411298 |
| Gross weight of box in kg | 0.501 |
| Length of box in m | 0.188 |
| Width of box in m | 0.078 |
| Height of box in m | 0.168 |
| Product weight | 42 g |
| Product status | Inactive |

## Electric Parameters

| | |
|---|---|
| Wattage | 18.0 W |
| Lamp nominal wattage | 18 W |
| Weighted energy consumption in 1000 hours | 20 kWh |
| Lamp voltage | 100 V |
| Mains voltage | 230 V |

# Compact fluorescent lamp Ralux® Duo/E
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## Electric Parameters

| | |
|---|---|
| dimmable | Yes |

## Light Application Parameters

| | |
|---|---|
| Luminous flux | 1200 lm |
| Rated lamp luminous flux | 1200 lm |
| max. luminous flux at | 25 °C |
| Efficacy / Luminous efficiency | 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 | 0.90 |
| Lumen maintenance at 4000h | 0.84 |
| Lumen maintenance at 6000h | 0.83 |
| Lumen maintenance at 8000h | 0.81 |
| Lumen maintenance at 12000h | 0.79 |
| Lumen maintenance at 16000h | 0.78 |
| Lumen maintenance at 20000h | 0.77 |

## Service Life

| | |
|---|---|
| Average life | 12000 h |
| Mean service life, HF 3h cycle | 20000 h |
| Lamp survival factor at 2000h | 0.99 |
| Lamp survival factor at 4000h | 0.99 |
| Lamp survival factor at 6000h | 0.99 |
| Lamp survival factor at 8000h | 0.99 |
| Lamp survival factor at 12000h | 0.95 |
| Lamp survival factor at 16000h | 0.81 |
| Lamp survival factor at 20000h | 0.50 |

## Specification

| | |
|---|---|
| Energylabel notice | old label, no EPREL registration, no EU data sheet |
| Energylabel (G -> A) | G |
| Energylabel (E -> A++) | A |
| Diameter | 27 mm |

# Compact fluorescent lamp Ralux® Duo/E
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## Specification

| | |
|---|---|
| Length | 146 mm |
| Total length max. | 146 mm |
| Length | 146 mm |
| Mercury content | 1.4 mg |
| Base | G24q-2 |
| Colour | White |

## Information especially for EPREL

| | |
|---|---|
| Energylabel notice | old label, no EPREL registration, no EU data sheet |
| EPREL ID number | 868248 |

## Miscellaneous

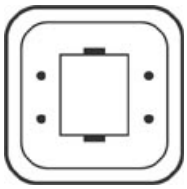
| | |
|---|---|
| EU-date of phase-out | 25.02.2023 |
| EU Directive | RoHS |

## 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 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).

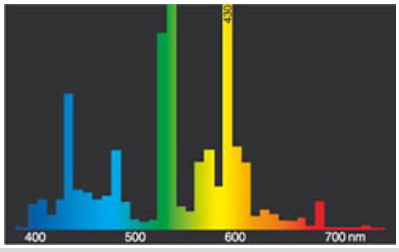
**Base**

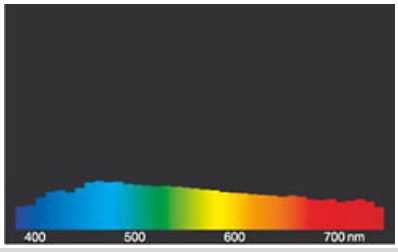


G24q
IEC/EN 60061-1
sheet 7004-78-5

**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.

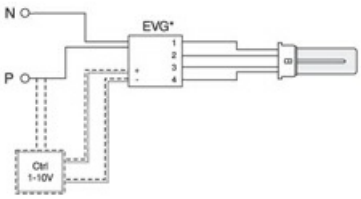


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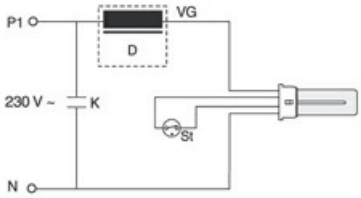
light colour 840 Spectralux® white (21) daylight(D 65)

**Circuit diagram(s)**



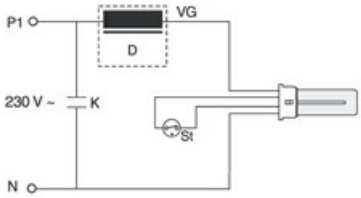

Einzelschaltung mit EVG für Ralux®/E
Zeichenerklärung:
VG = Vorschaltgerät Elektronisch (EVG)
P = Phase
N = Null-Leiter
Ctrl = Steuer-/Regelgerät

Die notwendigen Geräte (hier elektronisches 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.



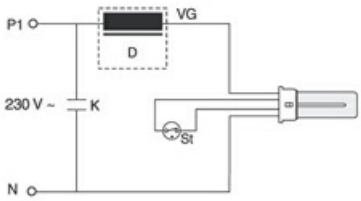

Einzelschaltung mit VVG und Starter für Ralux®/E
Zeichenerklärung:
D = Drossel
St = Starter
VG = Vorschaltgerät Konventionell (KVG/VVG)
P = Phase
N = Null-Leiter
K = Kompensations-Kondensator

Die notwendigen Geräte (hier Starter und 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.



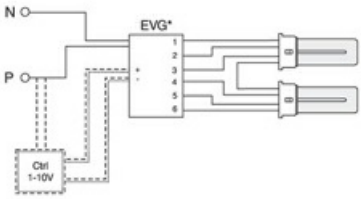

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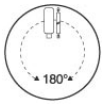

Circuit with multi electronic ballast
Key:
VG = ballast electronic (ECG)
P = phase
N = zero potential
Ctrl = Controller, dimmer

The required control gear (here electronic ballast) for the lamps operation is usually mounted in the suitable luminaire in an appropriate electric circuit. Changes of any kind are to be conducted by qualified and specialised staff, only. Thus, this circuit example is to be understood merely as a technical background information for interested users.

# Compact fluorescent lamp Ralux® Duo/E
RX-D/E 18W/840/G24Q

Radium

**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.**