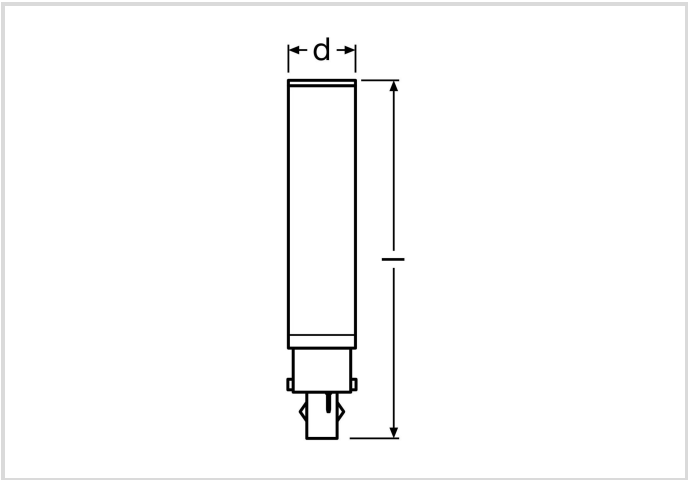


LED EssenceDuo - Retrofit f. Ralux Duo
RL DUO18 7W/230/840/G24D

Radium

Product Datasheet Date: 06.09.2025



A+

7

700

4000K

30 000h

General Data

| | |
|---------------------------|----------------------|
| Article No. | 43018021 |
| Code | RL-DUO18 840/G24D EM |
| Product EAN | 4008597180217 |
| Box quantitiy (pcs.) | 10 |
| EAN Box | 4008597480218 |
| Gross weight of box in kg | 0.943 |
| Length of box in m | 0.21 |
| Width of box in m | 0.09 |
| Height of box in m | 0.18 |
| Product weight | 80 g |
| Product status | Inactive |

Electric Parameters

| | |
|---|-----------|
| Wattage | 7.0 W |
| Nominal power | 7.0 W |
| Weighted energy consumption in 1000 hours | 7 kWh |
| Lamp power | 7.0-7.0 W |
| Power factor | > 0,9 |

Electric Parameters

| | |
|---|-------------|
| Nominal voltage | 220-240 V |
| Mains Voltage | 220 - 240 V |
| Voltage type | AC |
| Nominal current | 30-30 mA |
| Nominal current (mA) | 30 mA |
| Total harmonic distortion | 0.3 |
| max. no. of lamps at 10A automatic fuse | 195 |
| max. no. of lamps at 16A automatic fuse | 315 |
| dimmable | No |

Light Application Parameters

| | |
|--------------------------|----------|
| Rated lamp luminous flux | 700 lm |
| Beam angle | 120 ° |
| Efficacy | 100 lm/W |
| Total mains efficacy | 100 lm/W |
| Color temperature | 4000 K |
| Color rendering index | ≥ 80 |
| Color Stability | ≤ 6 sdcn |

Service Life

| | |
|-------------------------------|---------|
| Average life | 30000 h |
| Tc Temperature max. | 85 °C |
| Mean service life | 30000 h |
| No. switching cycles | 100000 |
| Lamp survival factor at 6000h | ≥ 0.90 |
| 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 | 34 mm |
| Length max. | 148 mm |
| Length | 147,5 mm |
| Burning position | any |
| Mercury content | 0.0 mg |

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Specification

| | |
|------------|--------------------|
| Material | Plastic |
| Lamp shape | Tube, single-ended |
| Base | G24d-2 |
| Colour | White |

Notes on Operation

| | |
|------------------------------|--------------|
| Degree of protection (IP) | IP20 |
| Burning position | any |
| Mode of operation | CCG, 230V |
| suitable for tandem circuit | No |
| Range of storage temperature | -20...+80 °C |
| Ambient temperatures | -20...+40 °C |
| Tc Temperature max. | 85 °C |

Information especially for EPREL

| | |
|--------------------------------------|--|
| Energylabel notice | old label, no EPREL registration, no EU data sheet |
| Lighting technology | LED |
| Mains/Non mains connectable | MLS |
| Directional or non-directional light | NDLS |
| Color tunable light source | No |
| Type of color temperature | SINGLE_VALUE |

Notes

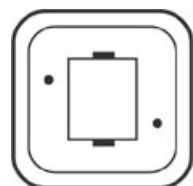
LED compact lamp for exchange with Ralux Duo, neutral white light, plastic body, non-dim, base G24d.

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 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

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.

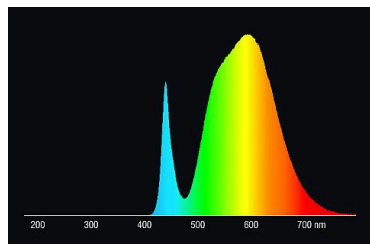
White LEDs are either RGB (red + green + blue chip in one LED = light colour white) or blue LED-chips with yellow/orange phosphor in the resin.

LED EssenceDuo - Retrofit f. Ralux Duo

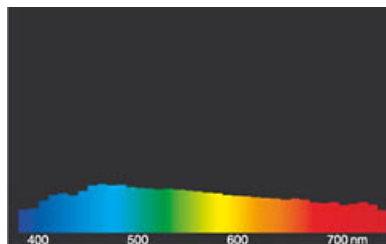
RL DUO18 7W/230/840/G24D

Radium

Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm)per 10nm.

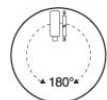


LED retrofit lamps 4000K



daylight(D 65)

Special features



General notes

When replacing Ralux Duo with LED-lamps, we recommend a simple and uncomplicated replacement (1: 1) at the respective light point without rewiring. Operation at mains voltage directly would also be possible. RL-DUO lamps are not suitable for tandem operation. 35 ° C ambient temperature for the lamp inside the luminaire must not be exceeded. Outdoor use is only permitted with suitable luminaires (IP protection).

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.

Safety instructions

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.