

# LED Essence Long - Retrofit for Ralux

RL-LONG36 840/2G11 HF

# Radium

Product Datasheet Date: 02.04.2026



## General Data

|                             |  |
|-----------------------------|--|
| Code Radium                 | 43218816                                   |
| Désignation                 | RL-LONG36 840/2G11 HF                      |
| EAN 10 (unité)              | 4008597188169                              |
| Unité de transport (pièces) | 10   |
| EAN 40 (carton)             | 4008597488160                              |
| Poids brut du carton en kg  | 2.166                                      |
| Longueur box in m           | 0.47                                       |
| Largeur du carton en m      | 0.253                                      |
| Hauteur du carton en m      | 0.08                                       |
| Product weight              | 135 g                                      |
| Product status              | <span style="color: red;">●</span> Inactif |

## Electric Parameters

|   |             |
|---|-------------|
| Wattage                                   | 18.0 W      |
| Nominal power                             | 18.0 W      |
| Weighted energy consumption in 1000 hours | 18 kWh      |
| Lamp power                                | 18.0-18.0 W |
| Nominal voltage                           | 220-240 V   |

## Electric Parameters

|   |             |
|---|-------------|
| Mains Voltage                           | 220 - 240 V |
| Voltage type                            | AC          |
| Nominal current                         | 100-100 mA  |
| Nominal current (mA)                    | 100 mA      |
| Total harmonic distortion               | 0.3         |
| max. no. of lamps at 10A automatic fuse | 100         |
| max. no. of lamps at 16A automatic fuse | 160         |
| dimmbable                               | Non         |

## Light Application Parameters

|                               |                      |
|-------------------------------|----------------------|
| Luminous flux                 | 2300 lm              |
| Rated lamp luminous flux      | 2300 lm              |
| Beam angle                    | 140 °                |
| Efficacy                      | 127,78 lm/W          |
| Total mains efficacy          | 127,78 lm/W          |
| Color temperature             | 4000 K               |
| Color rendering index         | ≥ 80                 |
| Color rendering index nominal | 80                   |
| Color Stability               | ≤ 6 sdc <sub>m</sub> |

## Service Life

|                                 |         |
|---------------------------------|---------|
| Average life                    | 30000 h |
| T <sub>c</sub> Temperature max. | 75 °C   |
| Mean service life               | 30000 h |
| No. switching cycles            | 200000  |
| 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               | 43,8 mm  |
| Length                 | 414 mm   |
| Length                 | 413,4 mm   |
| Burning position       | any  |

## Specification

|                 |                    |
|-----------------|--------------------|
| Mercury content | 0.0 mg             |
| Lamp shape      | Tube, single-ended |
| Base            | 2G11               |
| Colour          | White              |

## Notes on Operation

|                              |              |
|------------------------------|--------------|
| Degree of protection (IP)    | IP20         |
| Burning position             | any          |
| Mode of operation            | ECG, 230V    |
| suitable for tandem circuit  | Non          |
| Range of storage temperature | -20...+80 °C |
| Ambient temperatures         | -20...+35 °C |
| Tc Temperature max.          | 75 °C        |
| With movement sensor         | Non          |

## 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           | Non  |
| Type of color temperature            | SINGLE_VALUE                                       |

## Miscellaneous

|                  |          |
|------------------|----------|
| Similar products | 31320388 |
|------------------|----------|

## Notes

LED compact lamp for exchange with Ralux Long, neutral white light, glass bulb, non-dim, base 2G11.

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).

### Culot



2G11  
IEC/EN 60061-1  
sheet 7004-82-1

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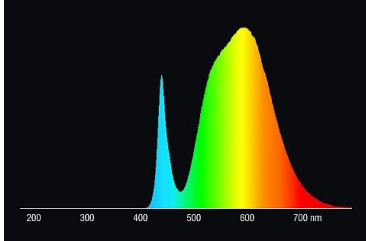
# Radium

## Courbes spectrales

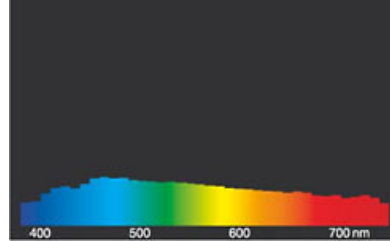
As daylight is a mixture of direct sunlight and light from the sky, the spectral distribution changes all the time due to the time of the day and the weather. The standard illuminant D65 corresponds to daylight with colour temperature of about 6500K.

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.

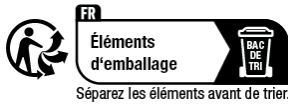
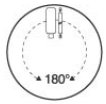


LED retrofit lamps 4000K



daylight(D 65)

## Particularités



## Notices explicatives générales

When replacing Ralux Long with LED lamps, we recommend the simple and uncomplicated replacement (1: 1) at the respective light spot without rewiring (ECG remains in circuit). Please observe the compatibility list. Operation at mains voltage directly would also be possible. RL-Long lamps are not suitable for application with KVG or VVG, nor are they suitable for tandem operation. An ambient temperature of the lamp of 35 ° C 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

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## Consignes de sécurité

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.