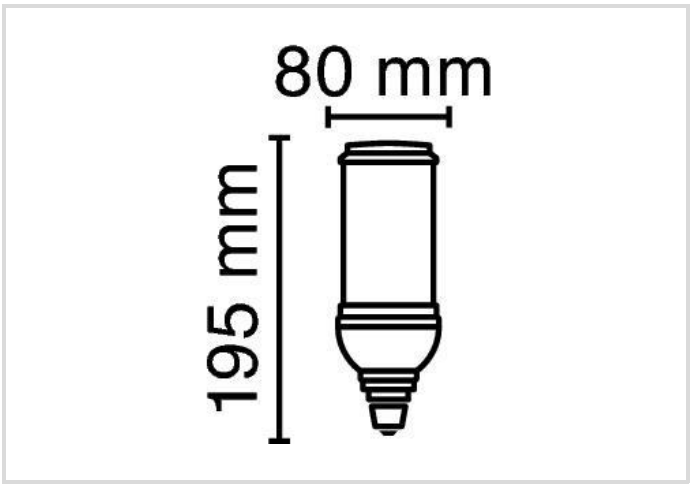
# LED HPM-Retrofit
RL-HRL125 840/E27

Radium

Product Datasheet Date: 10.11.2026






| W | lm | | h | 5 YEARS GUARANTEE |
|---|---|---|---|---|
| 41 | 6000 | 4000K | 50 000h | |

## General Data

| | |
|---|---|
| Artikel Nr. | 43819750 |
| Bestellzeichen | RL-HRL125 840/E27 EM |
| EAN-Faltschachtel | 4008597197505 |
| Versandeinheit in Stk. | 6 |
| EAN Umkarton (Versandeinheit) | 4008597597503 |
| Brutto-Gewicht Versandeinheit in kg | 3.458 |
| Länge Versandeinheit in m | 0.335 |
| Breite Versandeinheit in m | 0.23 |
| Höhe Versandeinheit in m | 0.275 |
| Product weight | 440 g |
| Produktstatus | Inaktiv |

## Electric Parameters

| | |
|---|---|
| Wattage | 41.0 W |
| Nominal power | 41.0 W |
| Weighted energy consumption in 1000 hours | 41 kWh |
| Lamp power | 41.0-41.0 W |
| Power factor | ≥ 0.9 |

# LED HPM-Retrofit
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## Electric Parameters

| | |
|---|---|
| Power factor | 0.9 |
| Nominal voltage | 220-240 V |
| Mains Voltage | 220 - 240 V |
| Voltage type | AC |
| Nominal current | 190-190 mA |
| Nominal current (mA) | 190 mA |
| Total harmonic distortion | 0.2 |
| max. no. of lamps at 10A-B10 automatic fuse | 33 |
| max. no. of lamps at 16A-B16 automatic fuse | 52 |
| dimmable | Nein |

## Light Application Parameters

| | |
|---|---|
| Luminous flux | 6000 lm |
| Rated lamp luminous flux | 6000 lm |
| Beam angle | 360 ° |
| Efficacy / Luminous efficiency | 146 lm/W |
| Total mains efficacy | 146 lm/W |
| Light colour | coolwhite |
| Color temperature | 4000 K |
| Color coordinate X | 0,382 |
| Color coordinate Y | 0.380 |
| Color rendering index | ≥ 80 |
| Color rendering index nominal | 80 |
| Color Stability | ≤ 6 sdcm |

## Service Life

| | |
|---|---|
| Average life | 50000 h |
| Tc Temperature max. | 105 °C |
| Mean service life | 50000 h |
| No. switching cycles | [100000] |
| Lamp survival factor at 6000h | ≥ 0.90 |
| Early failure rate at 1000h | ≤ 1.0 % |
| Guarantee | 5 years |

# LED HPM-Retrofit
RL-HRL125 840/E27

Radium

## Specification

| | |
|---|---|
| Energylabel notice | current label, with EPREL registration |
| Diameter | 80 mm |
| Length | 195 mm |
| Length | 195 mm |
| Burning position | any |
| Mercury content | 0.0 mg |
| Photobiological safety according to EN 62471 | RG0 |
| Lamp shape | Tube, single-ended |
| Base | E27 |
| Material | Glass |
| Colour | White |
| Housing colour | Other |

## Notes on Operation

| | |
|---|---|
| Degree of protection (IP) | IP65 |
| Burning position | any |
| Mode of operation | CCG, 230V |
| Ambient temperatures | -20 … +50 °C |
| Tc Temperature max. | 105 °C |
| With movement sensor | Nein |

## Information especially for EPREL

| | |
|---|---|
| Energylabel notice | current label, with EPREL registration |
| Lighting technology | LED |
| Mains/Non mains connectable | MLS |
| Directional or non-directional light | NDLS |
| Color tunable light source | Nein |
| Type of color temperature | SINGLE_VALUE |
| Color stability MacAdams EPREL | 6 |
| Displacement factor EPREL | 0,9 |
| Life factor EPREL | 0,9 |
| Lumen maintenance EPREL | 0,7 |
| Flicker | 1.0 |
| Stroboscopic effect | 0.40 |
| EPREL ID number | 541607 |

# LED HPM-Retrofit
RL-HRL125 840/E27

## Notes

LED lamp for exchange with mercury lamps (HPM), non-dim, base E27. Operation with ballast (1:1 replacement) or without (= with 230V). No UV or IR.

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).

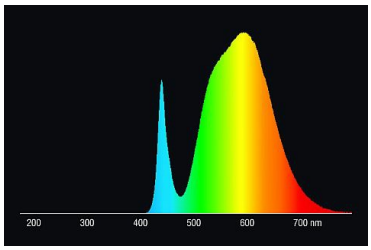
### Sockelübersicht



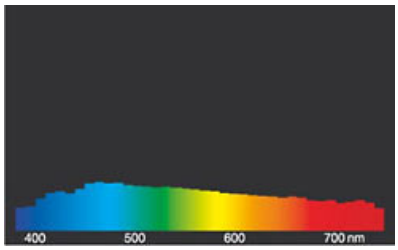
E27
IEC/EN 60061-1
sheet 7004-21-9

### Spektrale Strahlungsverteilung

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.

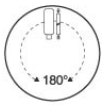



LED retrofit lamps 4000K




daylight(D 65)

### Besonderheiten












### Allgemeine Hinweise

When replacing mercury vapor lamps HRL with LED lamps, we recommend replacement at the respective light point with operation at mains voltage directly (disconnect ballast, for lamps with article no. 426...), newer generations may also be replaced 1:1 (ballast remains in luminaire,lamps with article no. 43...) An ambient temperature of the lamp of 60 ° C inside the luminaire must not be exceeded. Outdoor use is permitted (IP65).

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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### Sicherheitshinweise

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.**