

General Data

Article No.	42619107
Code	RL-HRL125 840/E27
Product EAN	4008597191077
Customs tariff no.	85395000
Box quantity (pcs.)	6
EAN Box	4008597491078
Gross weight of box in kg	6.913
Length of box in m	0.41
Width of box in m	0.27
Height of box in m	0.32
ETIM class	EC001959
ETIM class name	LED-lamp/Multi-LED
Product status	Phase Out

Electric Parameters

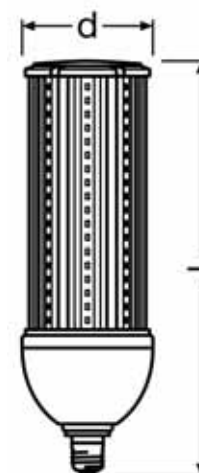
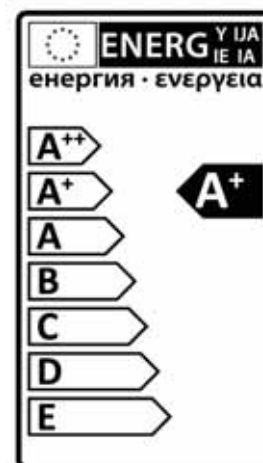
Nominal power	54 W
Rated wattage	54.0 W
Weighted energy consumption in 1,000 hours	54 kWh
Power factor	> 0,9
Nominal voltage	220-240 V
Voltage type	AC
Nominal current (mA)	250 mA
Excess voltage protection	4 kV
dimnable	No

Light Application Parameters

Rated lamp luminous flux	6000 lm
Beam angle	280 °
Luminous efficiency	111,11 lm/W
Radium light colour	Neutral white
Colour temperature	4000 K
Colour rendering index Ra	≥ 80
Colour Stability	≤ 6 sdcn

Service Life

Mean service life	32000 h
Average nominal lifespan	32000 h
No. switching cycles	100000
Lamp survival factor at 6000h	≥ 0.90
Early failure rate at 1000h	≤ 5.0 %



Specification

Energylabel from 2013	A+
Diameter max.	93 mm
Diameter	93 mm
Length max.	265 mm
Length	265 mm
Mercury content	0.0 mg
Lamp shape	Tube, single-ended
Finish	clear
Base	E27
Colour	White

Notes on Operation

Degree of protection (IP)	IP60
Range of storage temperature	-20...+80 °C
Ambient temperatures	-20 ... +50°C
Ambient temperature range operation	-20...+50 °C

Notes

LED lamp for exchange with mercury lamps (HPM), non-dim, base E27. Operation at 230V (without ballast). LED light does not contain UV or IR radiation.

Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.

The 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).

Notes

Base



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

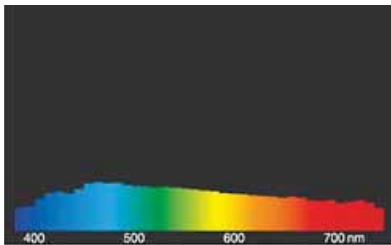
Spectrum

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.

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



daylight(D 65)

Special features



General notes

When replacing mercury vapor lamps HRL with LED lamps, we recommend replacement (1: 1) at the respective light point with operation at mains voltage directly (disconnect ballast). 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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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.