

## General Data

Article No.	42619106
Code	RL-HRL80 840/E27
Product EAN	4008597191060
Customs tariff no.	85395000
Box quantity (pcs.)	6
EAN Box	4008597491061
Gross weight of box in kg	6.072
Length of box in m	0.41
Width of box in m	0.27
Height of box in m	0.29
ETIM class	EC001959
ETIM class name	LED-lamp/Multi-LED
Product status	Inactive

## Electric Parameters

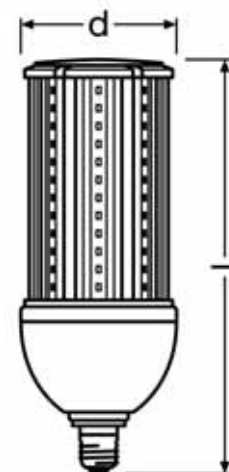
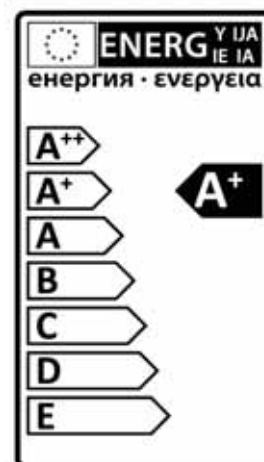
Rated wattage	36.0 W
Weighted energy consumption in 1,000 hours	36 kWh
Power factor	> 0.9
Nominal voltage	220-240 V
Voltage type	AC
Nominal current (mA)	170 mA
Excess voltage protection	4 kV
dimmable	No

## Light Application Parameters

Rated lamp luminous flux	4000 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.	235 mm
Length	235 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 ... +60°C
Ambient temperature range operation	-20...+60 °C

## Notes

Lampe LED pour remplacement avec lampes  vapeur de mercure, non-dim, culot E27. Opration sur 230V (sans ballast). Lumire LED ne contient UV ou IR.

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 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

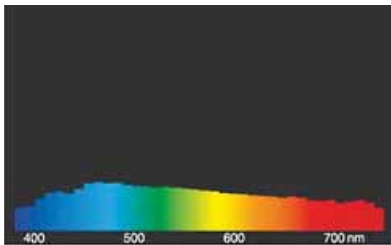
## Spectrum

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.

® = 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.**