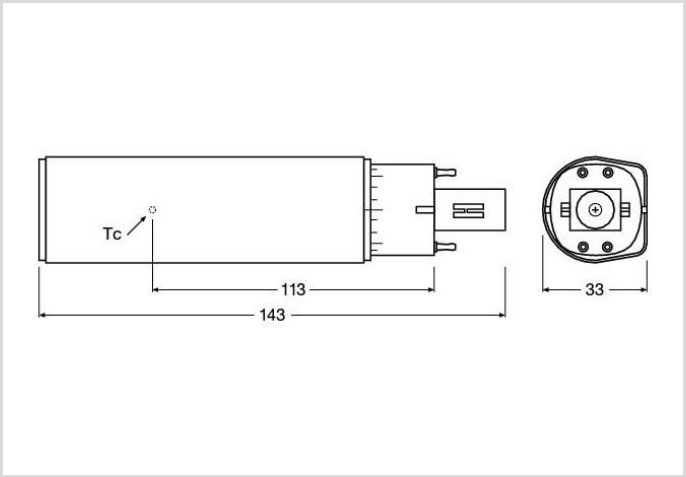
LED EssenceDuo/E - Retrofit f. Ralux Duo/E

RL-DUO/E13 840/G24Q

Radium

Product Datasheet Date: 15.06.2023





E	6	660	4000K	30 000h

General Data

Article No.	43519769
Code	RL-DUO/E13 840/G24Q-1 UN
Product EAN	4008597197697
Customs tariff no.	85395200
Box quantitiy (pcs.)	10
EAN Box	4008597497698
Gross weight of box in kg	1.039
Length of box in m	0.193
Width of box in m	0.082
Height of box in m	0.165
ETIM class	EC001959
ETIM class name	LED-lamp/Multi-LED
Weight	85 g
Product status	Active

Electric Parameters

Rated wattage	6.0 W
Nominal power	6.0 W

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Electric Parameters

Weighted energy consumption in 1,000 hours	6 kWh
Power factor	> 0.9
Nominal voltage	220-240 V
Voltage type	AC
Nominal current	28-28 mA
Nominal current (mA)	28 mA
Inrush current	< 20 A
max. no. of Lps with 10A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	320
max. no. of Lps with 16A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	510
dimmable	No

Light Application Parameters

Luminous flux	660 lm
Rated lamp luminous flux	660 lm
Beam angle	120 °
Luminous efficiency	110 lm/W
Radium light colour	coolwhite
Color temperature	4000 K
Color coordinate X	0,381
Color coordinate Y	0,379
Color rendering index Ra	≥ 80
Color rendering index Ra nominal	80
Color Stability	≤ 6 sdcm

Service Life

Average nominal lifespan	30000 h
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	current label, with EPREL registration
Energy Label A to G	E
Diameter	33 mm

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Specification

Length max.	143 mm
Length	143 mm
Burning position	any
Mercury content	0.0 mg
Photobiological safety according to EN 62471	RG0
Base	G24q-1
Colour	White

Notes on Operation

Degree of protection (IP)	IP20
Burning position	any
suitable for tandem circuit	No
Ambient temperatures	-20 … +50 °C

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
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	0.4
EPREL ID number	576238

Notes

LED compact lamp for exchange with Ralux Duo/E, neutral white light, plastic body, non-dim, base G24q.

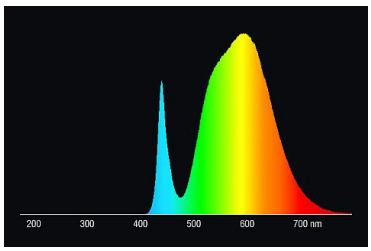
Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.
The "lifespan L70" described for LED lamps indicates the number of hours when the luminous flux has decreased to 70% of its initial value.
The optinal field 'info about service life' contains 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).

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.

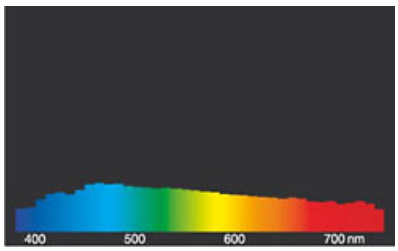
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Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm)per 10nm.

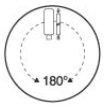


LED retrofit lamps 4000K



daylight(D 65)

Special features







General notes

For LED replacement of halogen and incandescent lamps, we recommend direct replacement (1: 1) at the respective burning position. For new systems, the number of lamps in the circuit operated at control gear such as transformers or dimmers can be obtained from corresponding compatibility lists (if available). If there is no specification for the type of device or lamp required, for safety reasons, the replacement power shall be assumed as taht of the original halogen type (eg "RL-MR16 35" -> 35W, independent of the real power consumption).

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.