

# LED Star T5-RetroFit universal

RL-T5 80 HO 37W/830/G5 UN

# Radium

Product Datasheet Date: 17.11.2021



## General Data

Article No.	43719320
Code	RL-T5 80 HO 830/G5 UN
Product EAN	4008597193200
Customs tariff no.	85395000
Box quantity (pcs.)	10
EAN Box	4008597493201
Gross weight of box in kg	2.819
Length of box in m	1.5
Width of box in m	0.16
Height of box in m	0.09
ETIM class	EC001959
ETIM class name	LED-lamp/Multi-LED
Product status	 Active

## Electric Parameters

Nominal power	37 W
Rated wattage	37.0 W
Weighted energy consumption in 1,000 hours	37 kWh

## Electric Parameters

Power factor	> 0.90
Nominal voltage	220-240 V
Voltage type	AC
Nominal current (mA)	170 mA
Inrush current	46.7 A
Period of inrush current	20
max. no. of Lps with 16A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	46
max. no. of Lps with 10A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	29
dimnable	No

## Light Application Parameters

Rated lamp luminous flux	5050 lm
Luminous flux in 90°-sector	5050 lm lm
Luminous flux in 120°-sector	5050 lm lm
Beam angle	160 °
Luminous efficiency	136 lm/W
Colour temperature	3000 K
Colour rendering index Ra	≥ 80
Coloure rendering index Ra nominal	80-89
Colour Stability	≤ 5 sdcn

## Service Life

Mean service life	60000 h
Average nominal lifespan	60000 h
No. switching cycles	200000
Early failure rate at 1000h	≤ 5.0 %
Guarantee up to	5 years

## Specification

Energy Label A to G	E
Energylabel A++ to E	A++
Diameter	17 mm
Length max.	1449 mm
Length	1449 mm
Mercury content	0.0 mg
Lamp shape	Tube, double-ended

## Specification

Base	G5
Material	Glass
Colour	White

## Notes on Operation

Degree of protection (IP)	IP20
Mode of operation for LED-Tubes	ECG-230 V
Range of storage temperature	-20...+80 °C
Ambient temperatures	-20...+50 °C

## Notes

T5 tubular LED lamp for exchange with fluorescent lamps, warm white light, glass bulb, non-dim, base G13. Operation with suitable ECG or at 230V.

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).

### Base



G5  
IEC/EN 60061-1  
sheet 7004-52-5

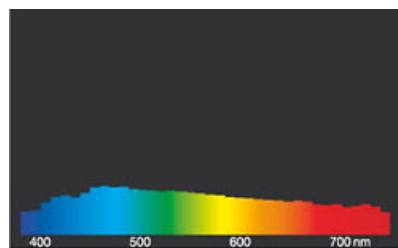
### Spectrum

Da das Tageslicht eine Mischung von direktem Sonnenlicht und Himmelslicht darstellt, wechselt seine spektrale Zusammensetzung bedingt durch Tageszeit und Wetter ständig. Die Normlichtart D65 entspricht einem Tageslicht mit einer Farbtemperatur von ungefähr 6500 K.

Bei farbigen LEDs hängt die Lichtfarbe von den chemischen Elementen des lichterzeugenden Chips ab. Das farbige Licht wird direkt erzeugt und entsteht nicht erst durch den Filter.

Weißer LEDs sind entweder RGB (roter + grüner + blauer Chip in einer LED = Lichtfarbe weiß) oder blaue LED-Chips mit gelb/orange Leuchtstoff in der Vergussmasse.

Sichtbarer Bereich von 380 bis 780 nm; Bildhöhe entspricht der relativen spektralen Emission (400mW/klm)pro 10nm.



daylight(D 65)

### Special features



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## General notes

Please note the installation instructions when replacing fluorescent lamps with LED tubes. Some LED lamp types are only suitable for 1: 1 replacement at the respective burning position: with CCG by using the enclosed starter, with ECG with compatible control gear. Others can be operated directly on 230V (conversion of the luminaire), others again can 'do' CCG as well as 230V or all 3 variations. LED tubes are not dimmable.

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 (clefs) 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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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.