

# LED Star T8-RetroFit HighOutput EM

RL-T8 58 HO 840/G13 EM

# Radium

Product Datasheet Date: 02.04.2026



C



23,1



3700



4000K



50 000h



5 YEARS GUARANTEE

## General Data

Code Radium	43819788
Désignation	RL-T8 58 S HO 840/G13 EM
EAN 10 (unité)	4008597197888
Unité de transport (pièces)	10
EAN 40 (carton)	4008597497889
Poids brut du carton en kg	3.442
Longueur box in m	1.652
Largeur du carton en m	0.21
Hauteur du carton en m	0.115
Product weight	226 g
Product status	● Actif

## Electric Parameters

Wattage	23.1 W
Nominal power	23.1 W
Weighted energy consumption in 1000 hours	24 kWh
Lamp power	23.1-23.1 W
Power factor	> 0.9

## Electric Parameters

Nominal voltage	220-240 V
Mains Voltage	220 - 240 V
Voltage type	AC
Nominal current	109-109 mA
Nominal current (mA)	109 mA
max. no. of lamps at 10A automatic fuse	41
max. no. of lamps at 16A automatic fuse	66
dimnable	Non

## Light Application Parameters

Luminous flux	3700 lm
Rated lamp luminous flux	3700 lm
Lumen-Output mark	HO
Beam angle	190 °
Efficacy	160 lm/W
Total mains efficacy	160 lm/W
Color temperature	4000 K
Color coordinate X	0,382
Color coordinate Y	0.380
Color rendering index	≥ 80
Color rendering index nominal	83
Color Stability	≤ 5 sdcn

## Service Life

Average life	50000 h
Tc Temperature max.	70 °C
Mean service life	50000 h
Lifetime L70B50	50000 h
max. temperature at Tc -point for nominal life with CCG or 230V AC	64 °C
Life L70 @ Tc max. with CCG or 230V AC	22000 h
Tc max. with CCG or 230V AC	70 °C
No. switching cycles	200000
Lamp survival factor at 6000h	≥ 0.90
Early failure rate at 1000h	≤ 5.0 %
Guarantee	5 years

## Specification

Energylabel notice	current label, with EPREL registration
Energylabel (G -> A)	C
Diameter	26,7 mm
Tube diameter	26 mm
Length	1500 mm
Length	1500 mm
Burning position	any
Mercury content	0.0 mg
Material	Glass
Shatterproof	Non
Photobiological safety according to EN 62471	RG0
Lamp shape	Tube, double-ended
Base	G13
Colour	White

## Notes on Operation

Degree of protection (IP)	IP20
Burning position	any
Mode of operation	CCG, 230V
Ambient temperatures	-20 ... +50 °C
Tc Temperature max.	70 °C
Tc max. with CCG or 230V AC	70 °C
max. temperature at Tc -point for nominal life with CCG or 230V AC	64 °C
With movement sensor	Non

## 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	Non
Type of color temperature	SINGLE_VALUE
Color stability MacAdams EPREL	5
Displacement factor EPREL	0,9
Life factor EPREL	0,9
Lumen maintenance EPREL	0,7

## Information especially for EPREL

Flicker	1.0
Stroboscopic effect	0.4
EPREL ID number	730043

## Miscellaneous

Similar products	43819789, 43719852, 43719794, 43720052
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## Notes

T8 tubular LED lamp for exchange with fluorescent lamps, neutral white light, glass bulb, non-dim, base G13. Please, note installation instructions!

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).

### Culot



G13  
IEC/EN 60061-1  
sheet 7004-51-8

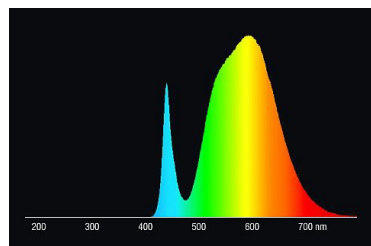
### Courbes spectrales

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.

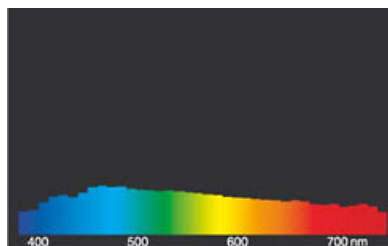
The colour of coloured LEDs depends on the chemical elements within the light generating chip. The coloured light is generated directly and does not need filtering.

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.

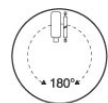


LED retrofit tube lamps for fluorescent lamps 4000K



daylight(D 65)

### Particularités



FR  
Éléments  
d'emballage  
Séparez les éléments avant de trier.



### Notices explicatives générales

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. Neo tubes need an external LED driver (replacement of the control gear). LED Neo tubes are dimmable, all other LED tubes are not dimmable.

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**Radium**

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## Consignes de sécurité

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.