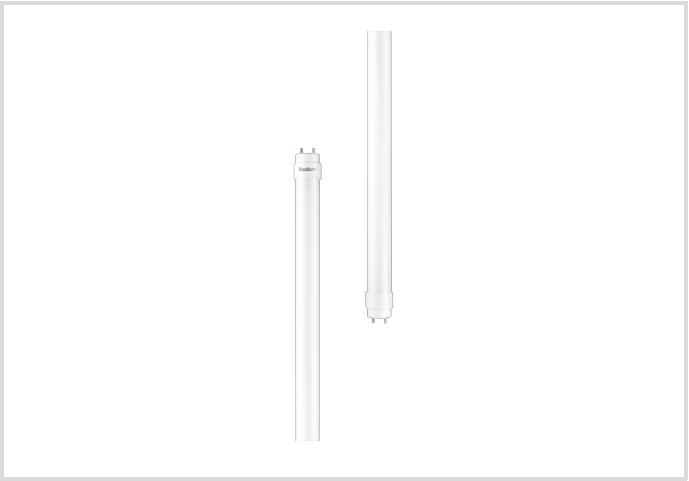
DC Tube for external drivers
LED T8 NEO 58 840/G13

Radium

Product Datasheet Date: 10.11.2026



LED T8 Neo 58 - 840				
Operating current	Voltage	Power	Luminous efficacy	Luminous flux
1 500 mA	20.5 V	30.8 W	168 lm/W	5 180 lm
1 450 mA	20.5 V	29.7 W	169 lm/W	5 017 lm
1 400 mA	20.4 V	28.6 W	170 lm/W	4 853 lm
1 350 mA	20.4 V	27.5 W	170 lm/W	4 690 lm
1 300 mA	20.3 V	26.5 W	171 lm/W	4 527 lm
1 250 mA	20.3 V	25.4 W	172 lm/W	4 363 lm
1 200 mA	**20.3 V**	**24.3 W**	**173 lm/W**	**4 200 lm**
1 150 mA	20.2 V	23.2 W	174 lm/W	4 038 lm
1 100 mA	20.1 V	22.1 W	175 lm/W	3 875 lm
1 050 mA	20.0 V	21.0 W	176 lm/W	3 713 lm
1 000 mA	20.0 V	20.0 W	178 lm/W	3 550 lm

C	24.3	4000K	70 000h	Dimmbar

General Data

Artikel Nr.	43719852
Bestellzeichen	RL-T8 58 NEO 840/G13 DC
EAN-Faltschachtel	4008597198526
Versandeinheit in Stk.	25
EAN Umkarton (Versandeinheit)	4008597498527
Brutto-Gewicht Versandeinheit in kg	7.75
Länge Versandeinheit in m	1.57
Breite Versandeinheit in m	0.185
Höhe Versandeinheit in m	0.185
Product weight	200 g
Produktstatus	Aktiv

Electric Parameters

Wattage	24.3 W
Nominal power	24.3 W
Weighted energy consumption in 1000 hours	25 kWh
Lamp power	20.0-30.8 W
Power factor	1

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Electric Parameters

Nominal voltage	19.5-21.5 V
Voltage type	DC
Nominal current	1000-1500 mA
Nominal current (mA)	1200 mA
dimmable	Ja

Light Application Parameters

Rated luminous flux according to IEC 62612	4200 lm
Luminous flux	3550-5180 lm
max. luminous flux at	1500 mA
Beam angle	160 °
Efficacy / Luminous efficiency	173 lm/W
Total mains efficacy	160 lm/W
Light colour	coolwhite
Color temperature	4000 K
Color coordinate X	0.380
Color coordinate Y	0.380
Color rendering index	> 80
Color Stability	≤ 5 sdcm

Service Life

Average life	70000 h
Tc Temperature max.	70 °C
Mean service life	100000 h
Life L70B10	100000 h
Life L80B10	70000 h
No. switching cycles	>1.000.000
Guarantee	5 years

Specification

Energylabel notice	current label, with EPREL registration
Energylabel (G -> A)	C
Diameter	28.5 mm
Tube diameter	25.4 mm
Length	1500 mm
Length	1500 mm

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Specification

Burning position	any
Mercury content	0.0 mg
Shatterproof	Ja
Lamp shape	Tube, double-ended
Base	G13
Material	Glass
Colour	White

Notes on Operation

IP Class (Room/Ceiling)	IP20
Burning position	any
Mode of operation	DC
Range of storage temperature	-20 ... +60°C
Ambient temperatures	-20 ... +50°C
Tc Temperature max.	70 °C
With movement sensor	Nein

Information especially for EPREL

Energylabel notice	current label, with EPREL registration
Lighting technology	LED
Mains/Non mains connectable	NMLS
Directional or non-directional light	NDLS
Color tunable light source	Nein
Type of color temperature	SINGLE_VALUE
Color stability MacAdams EPREL	5
Displacement factor EPREL	1
Life factor EPREL	0.9
Lumen maintenance EPREL	0.93
EPREL ID number	1083297

Miscellaneous

Similar products	43719853

Notes

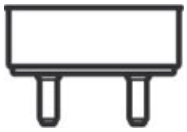
T8 tubular DC LED lamp for external drivers, dimmable with suitable driver, neutral white light, glass bulb, base G13. Exchange for fluorescent lamps.

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).

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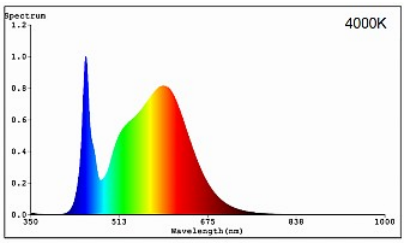
Sockelübersicht



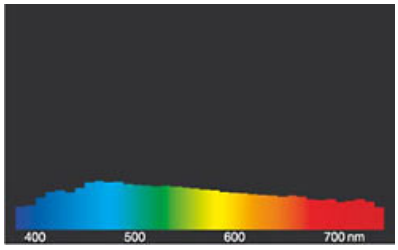
G13
IEC/EN 60061-1
sheet 7004-51-8

Spektrale Strahlungsverteilung

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-NEO-Tubes 4000K, Replacements for fluorescent lamps



daylight(D 65)

Besonderheiten



Allgemeine Hinweise

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 reespective 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.

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.

Sicherheitshinweise

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.