

| 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 | 0.21 |
| Höhe Versandeinheit in m | 0.2 |
| 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 |
| Nominal voltage | 19.5-21.5 V |

Electric Parameters

| | |
|----------------------|--------------|
| Voltage type | DC |
| Nominal current | 1000-1500 mA |
| Nominal current (mA) | 1200 mA |
| dimnable | 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 | 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 sdcn |

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 |
| Burning position | any |

Specification

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

Notes on Operation

| | |
|------------------------------|---------------|
| Degree of protection (IP) | 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.

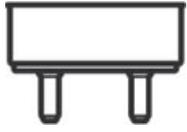
The optimal field 'info about service life' contains the frame conditions according to standards based on which the specific service life has been determined. So, for example, "12B50, 50Hz" means that the mean service life (B50) has been determined with a 12h switching cycle at mains (frequency 50Hz), "3B50, HF" is based on a 3h switching cycle at electronic control gear (high frequency).

DC Tube for external drivers

LED T8 NEO 58 840/G13

Radium

Sockelübersicht



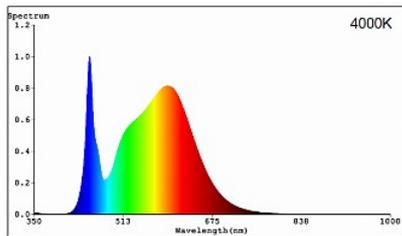
G13
IEC/EN 60061-1
sheet 7004-51-8

Spektrale Strahlungsverteilung

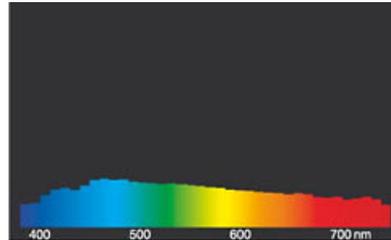
As daylight is a mixture of direct sunlight and light from the sky, the spectral distribution changes all the time due to the time of the day and the weather. The standard illuminant D65 corresponds to daylight with colour temperature of about 6500K.

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 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.

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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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.