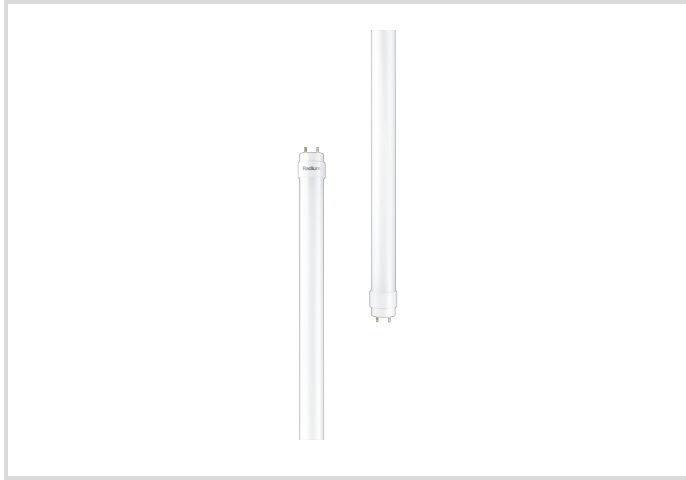


DC Tube for external drivers

LED T8 NEO 36 840/G13

Radium

Product Datasheet Date: 30.05.2026



| LED T8 Neo 36 - 840 | | | | |
|---------------------|---------------|---------------|-------------------|-----------------|
| Operating current | Voltage | Power | Luminous efficacy | Luminous flux |
| 1 000 mA | 20.2 V | 20.2 W | 169 lm/W | 3 418 lm |
| 950 mA | 20.1 V | 19.1 W | 170 lm/W | 3 258 lm |
| 900 mA | 20.1 V | 18.1 W | 171 lm/W | 3 099 lm |
| 850 mA | 20.0 V | 17.0 W | 173 lm/W | 2 939 lm |
| 800 mA | 20.0 V | 16.0 W | 174 lm/W | 2 779 lm |
| 750 mA | 19.9 V | 14.9 W | 175 lm/W | 2 620 lm |
| 700 mA | 19.9 V | 13.9 W | 177 lm/W | 2 460 lm |
| 650 mA | 19.8 V | 12.9 W | 178 lm/W | 2 288 lm |
| 600 mA | 19.7 V | 11.8 W | 179 lm/W | 2 116 lm |
| 550 mA | 19.7 V | 10.8 W | 180 lm/W | 1 944 lm |
| 500 mA | 19.6 V | 9.8 W | 181 lm/W | 1 772 lm |



C



13.9



4000K



70 000h



Gradable



5 YEARS GUARANTEE

General Data

| | |
|-----------------------------|-------------------------|
| Code Radium | 43719850 |
| Désignation | RL-T8 36 NEO 840/G13 DC |
| EAN 10 (unité) | 4008597198502 |
| Unité de transport (pièces) | 25 |
| EAN 40 (carton) | 4008597498503 |
| Poids brut du carton en kg | 6.2 |
| Longueur box in m | 1.27 |
| Largeur du carton en m | 0.185 |
| Hauteur du carton en m | 0.185 |
| Product weight | 160 g |
| Product status | ● Actif |

Electric Parameters

| | |
|---|------------|
| Wattage | 13,9 W |
| Nominal power | 13.9 W |
| Weighted energy consumption in 1000 hours | 14 kWh |
| Lamp power | 9.8-20.2 W |
| Nominal voltage | 19-21 V |

Electric Parameters

| | |
|----------------------|-------------|
| Voltage type | DC |
| Nominal current | 500-1000 mA |
| Nominal current (mA) | 700 mA |
| dimnable | Oui |

Light Application Parameters

| | |
|--|--------------|
| Rated luminous flux according to IEC 62612 | 2460 lm |
| Luminous flux | 1772-3418 lm |
| max. luminous flux at | 1000 mA |
| Beam angle | 160 ° |
| Efficacy / Luminous efficiency | 177 lm/W |
| Total mains efficacy | 164 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 | 1212 mm |
| Length | 1200 mm |
| Burning position | any |

Specification

| | |
|-----------------|--------------------|
| Mercury content | 0.0 mg |
| Material | Glass |
| Shatterproof | Oui |
| 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 | Non |

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 | Non |
| 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 | 1083292 |

Miscellaneous

| | |
|------------------|--------------------|
| Similar products | 43719851, 43920130 |
|------------------|--------------------|

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).

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LED T8 NEO 36 840/G13

Radium

Culot



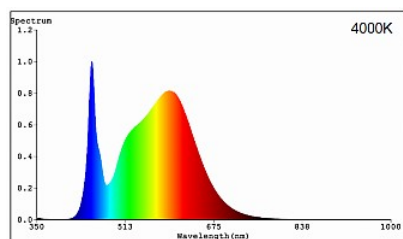
G13
IEC/EN 60061-1
sheet 7004-51-8

Courbes spectrales

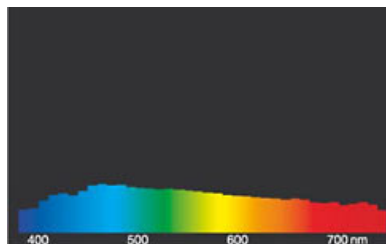
As daylight is a mixture of direct sunlight and light from the sky, the spectral distribution changes all the time due to the time of the day and the weather. The standard illuminant D65 corresponds to daylight with colour temperature of about 6500K.

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-NEO-Tubes 4000K, Replacements for fluorescent lamps



daylight(D 65)

Particularités



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.

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.

® = Registered trademark

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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.