



LED T8 Neo 18 - 865				
Operating current	Voltage	Power	Luminous efficacy	Luminous flux
550 mA	20.0 V	11.0 W	164 lm/W	1 800 lm
500 mA	19.9 V	10.0 W	165 lm/W	1 643 lm
450 mA	19.9 V	8.9 W	166 lm/W	1 485 lm
400 mA	19.8 V	7.9 W	168 lm/W	1 328 lm
350 mA	19.7 V	6.9 W	170 lm/W	1 170 lm
300 mA	19.5 V	5.9 W	172 lm/W	1 010 lm
250 mA	19.4 V	4.8 W	176 lm/W	850 lm
200 mA	19.2 V	3.8 W	180 lm/W	690 lm



D



6.9



6500K



70 000h




Dimmable



5 YEARS
GUARANTEE

General Data

Article No.	43719849
Code	LED T8 NEO 18 865/G13
Product EAN	4008597198496
Customs tariff no.	85395200
Box quantity (pcs.)	25
EAN Box	4008597498497
Gross weight of box in kg	3.2
Length of box in m	0.67
Width of box in m	0.21
Height of box in m	0.2
ETIM class	EC001959
ETIM class name	LED-lamp/Multi-LED
Weight	90 g
Product status	 Active

Electric Parameters

Nominal power	6.9 W
Rated wattage	6.9 W

Electric Parameters

Weighted energy consumption in 1,000 hours	7 kWh
Nominal voltage	18.5-20.5 V
Voltage type	DC
Nominal current	200-550 mA
Nominal current (mA)	350 mA

Light Application Parameters

Rated luminous flux acc. IEC 62722-2-1	1170 lm
Luminous flux	690-1800 lm
max. luminous flux	1800 lm
max. luminous flux at	550 mA
Beam angle	160 °
Luminous efficiency	170 lm/W
Radium light colour	daylight
Color temperature	6500 K
Color coordinate X	0.313
Color coordinate Y	0.337
Color rendering index Ra	> 80
Color Stability	≤ 5 sdcn

Service Life

Average nominal lifespan	70000 h
Tc Temperature max.	70 °C
Life L70B10	100000 h
Life L80B10	70000 h
Guarantee up to	5 years

Specification

Energy Label A to G	D
Diameter	28.5 mm
Tube diameter	25.4 mm
Length max.	603 mm
Length	600 mm
Length	600 mm
Burning position	beliebig
Mercury content	0.0 mg

Specification

Material	Glass
Shatterproof in accordance with US-food-standard	Yes
Lamp shape	Tube, double-ended
Base	G13
Colour	White
Weight	90 g

Notes on Operation

Degree of protection (IP)	IP20
Mode of operation for LED-Tubes	DC
Burning position	beliebig
Range of storage temperature	-20 ... +60°C
Ambient temperatures	-20 ... +50°C
Tc Temperature max.	70 °C
Suitable control gear	OTDA4030, OTNA4033

Information especially for EPREL

Mains/Non mains connectable	NMLS
Directional or non-directional light	NDLS
Color tunable light source	No
Type of color temperature	SINGLE_VALUE
Color stability MacAdams EPREL	5

Notes

T8 tubular DC LED lamp for external drivers, dimmable with suitable driver, daylight, 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).

Base



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

Spectrum

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.

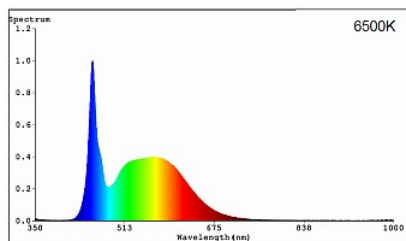
White LEDs are either RGB (red + green + blue chip in one LED = light colour white) or blue LED-chips with yellow/orange phosphor in the resin.

DC Tube

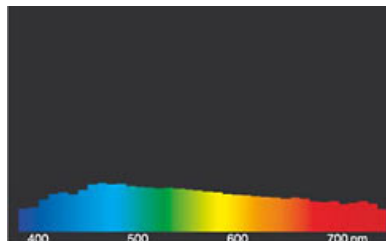
LED T8 NEO 18 865/G13

Radium

Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm)per 10nm.



LED-NEO-Tubes 6500K, Replacements for fluorescent lamps



daylight(D 65)

Special features



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. 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

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.