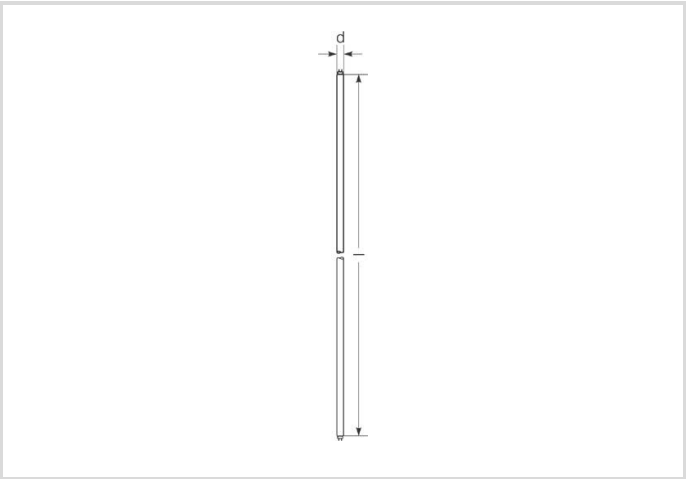
# Fluorescent lamp Spectralux®Plus
NL-T8 36W/840/G13

Radium

Product Datasheet Date: 01.11.2026






G | 3250 | 20 000h | Dimmable

## General Data

| | |
|---|---|
| Article No. | 31119984 |
| Kod | NL-T8 36W/840/G13 |
| Product EAN | 4008597199844 |
| Box quantitiy (pcs.) | 25 |
| EAN Box | 4008597499845 |
| Gross weight of box in kg | 5.247 |
| Length of box in m | 1.247 |
| Width of box in m | 0.148 |
| Height of box in m | 0.147 |
| Product weight | 135 g |
| Product status | Nieaktywne |

## Electric Parameters

| | |
|---|---|
| Wattage | 37.8 W |
| Weighted energy consumption in 1000 hours | 38 kWh |
| Lamp voltage | 103 V |
| Mains voltage | 230 V |
| Nominal current (mA) | 103 mA |

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## Electric Parameters

| | |
|---|---|
| Compensation capacitor for 50Hz operation | 4.5 µF |
| dimmable | Tak |

## Light Application Parameters

| | |
|---|---|
| Luminous flux | 3250 lm |
| Rated lamp luminous flux | 3250 lm |
| max. luminous flux at | 25 °C |
| Beam angle | 360 ° |
| Total mains efficacy | 86 lm/W |
| Light colour | white |
| Code of light color | 840 |
| Colour temperature | 4000 K |
| Color coordinate X | 0.380 |
| Color coordinate Y | 0.380 |
| Color rendering index | ? 80 |

## Service Life

| | |
|---|---|
| Average life | 20000 h |
| Service Life | 20000 h |

## Specification

| | |
|---|---|
| Energylabel notice | current label, with EPREL registration |
| Energylabel (G -> A) | G |
| Diameter max. | 28 mm |
| Tube diameter | 26 mm |
| Length max. | 1213,6 mm |
| Length | 1200 mm |
| Burning position | h180 |
| Mercury content | 1.7 mg |
| Lamp shape | Rod |
| Base | G13 |
| Colour | White |

## Notes on Operation

| | |
|---|---|
| Burning position | h180 |
| Suitable for emergency lighting | Nie |

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## Information especially for EPREL

| | |
|---|---|
| Energylabel notice | current label, with EPREL registration |
| EPREL ID number | 1202986 |

## Miscellaneous

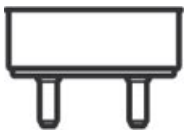
| | |
|---|---|
| EU-date of phase-out | 25.08.2023 |
| EU Directive | RoHS |
| Similar products | 31119985, 31120339 |

## Notes

Fluorescent lamp T8 - 26mm diameter, light colour 840, high luminous efficiency, good colour rendering, long life, base G13. Controllable by Dim-ECG.

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).

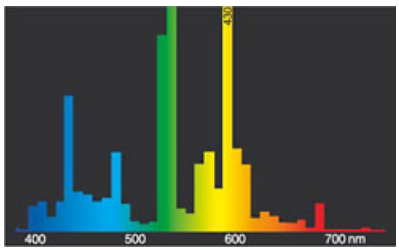
### Base



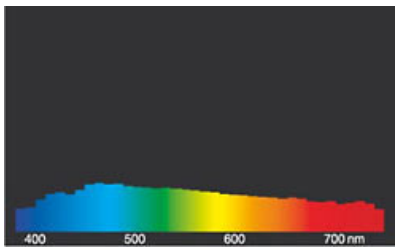
G13
IEC/EN 60061-1
sheet 7004-51-8

### Spectrum

Natural daylight is a mixture of direct sunlight and the light of the sky. Therefore, its spectral composition changes permanently due to the changing time of day. The standardised light classification D65 corresponds to a daylight with a colour temperature of approximately 6500 K.
Every fluorescent lamp type has got an individual spectral power distribution according to its phosphor coating inside the bulb. From this result important properties light colour or colour rendering.
Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm) per 10nm.

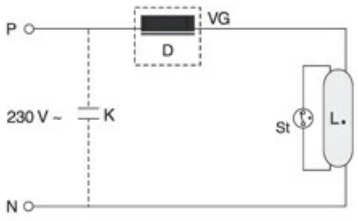



light colour 840 Spectralux® white (21)




daylight(D 65)

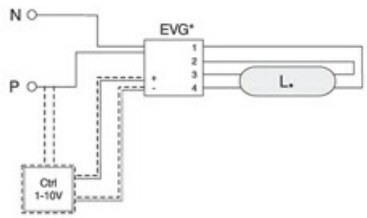
### Circuit diagram(s)




One-lampe ciruit inductive
Key:
D = choke
L. = lamp
St = starter
VG = electromagnetic ballast (KVG/VVG)
P = phase
N = zero potential
K = p. f. correction capacitor

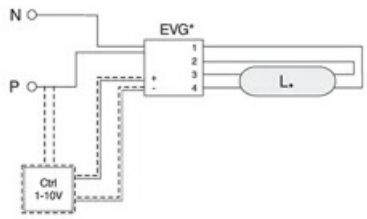
# Fluorescent lamp Spectralux®Plus
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The required control gear (here starter and ballast) for the lamps operation is usually mounted in the suitable luminaire in an appropriate electric circuit. Changes of any kind are to be conducted by qualified and specialised staff, only. Thus, this circuit example is to be understood merely as a technical background information for interested users.



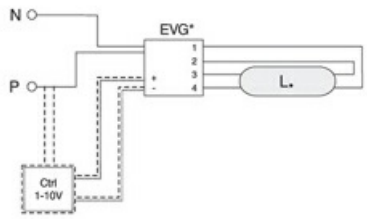

One-lampe ciruit with electronic ballast
Key:
VG = ballast electronic (ECG)
P = phase
N = zero potential
Ctrl = Controller, dimmer

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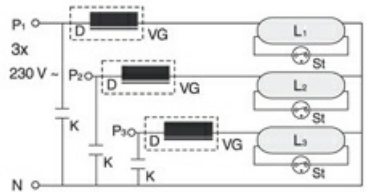

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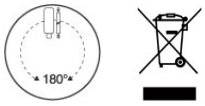
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Three phase current connection
Key:
D = choke
L. = lamp
St = starter
VG = ballast electromagnetic (KVG/VVG)
P = phase
N = zero potential
K = p. f. correction capacitor

The required control gear (here starter and ballast) for the lamps operation is usually mounted in the suitable luminaire in an appropriate electric circuit. Changes of any kind are to be conducted by qualified and specialised staff, only. Thus, this circuit example is to be understood merely as a technical background information for interested users.

### Special features




### General notes

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.
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**All technical data without guarantee.**