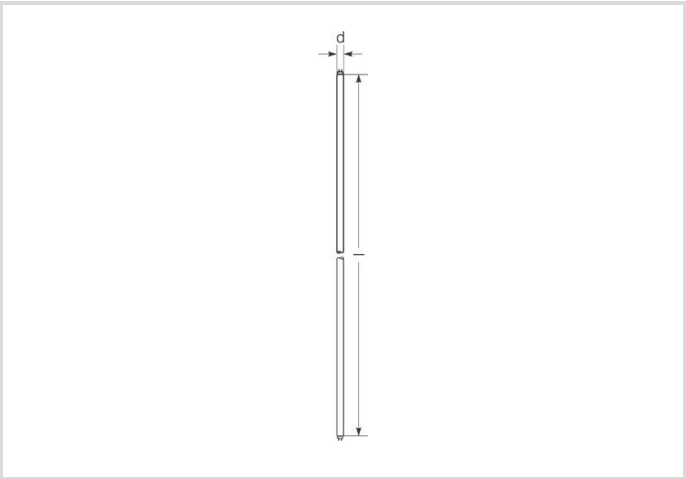
Fluorescent lamp Spectralux®Plus
NL-T8 18W/840/G13

Radium

Product Datasheet Date: 31.10.2026





G	1300	20 000h	Dimmable

General Data

Article No.	31119988
Code	NL-T8 18W/840/G13
Product EAN	4008597199882
Box quantitiy (pcs.)	25
EAN Box	4008597499883
Gross weight of box in kg	2.672
Length of box in m	0.637
Width of box in m	0.148
Height of box in m	0.147
Product weight	71 g
Product status	Inactive

Electric Parameters

Wattage	18.8 W
Lamp nominal wattage	18 W
Weighted energy consumption in 1000 hours	19 kWh
Lamp voltage	59 V
Mains voltage	230 V

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Electric Parameters

Compensation capacitor for 50Hz operation	4.5 µF
dimmable	Yes

Light Application Parameters

Luminous flux	1300 lm
Rated lamp luminous flux	1300 lm
max. luminous flux at	25 °C
Beam angle	360 °
Total mains efficacy	69 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	604 mm
Length	600 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	No

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Information especially for EPREL

Energylabel notice	current label, with EPREL registration
EPREL ID number	1202976

Miscellaneous

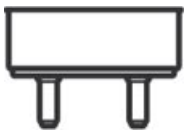
EU-date of phase-out	25.08.2023
EU Directive	RoHS
Similar products	31119983, 31120340

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).

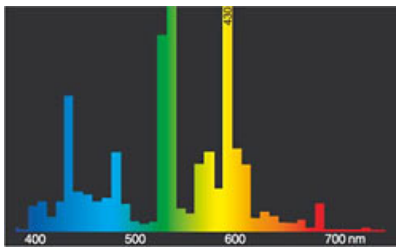
Base



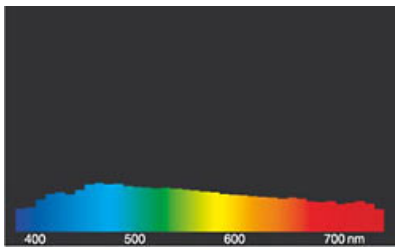
G13
IEC/EN 60061-1
sheet 7004-51-8

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.

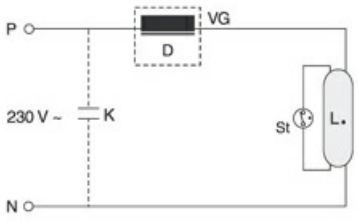


light colour 840 Spectralux® white (21)



daylight(D 65)

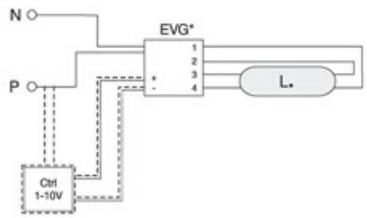
Circuit diagram(s)



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

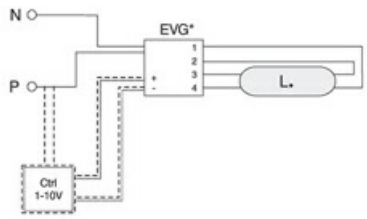
Fluorescent lamp Spectralux®Plus
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The required control gear (here starter and ballast) for the lamps operation is usually mounted in the suitable luminaire in an appropriate electric circuit. Changes of any kind are to be conducted by qualified and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



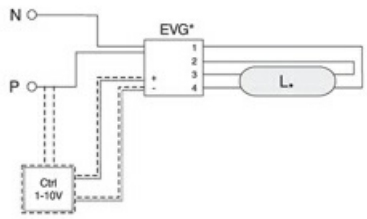
One-lampe ciruit with electronic ballast
Key:
VG = ballast electronic (ECG)
P = phase
N = zero potential
Ctrl = Controller, dimmer

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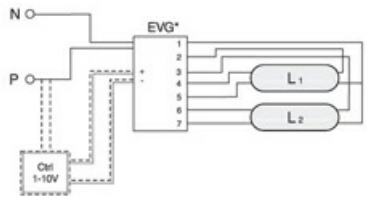
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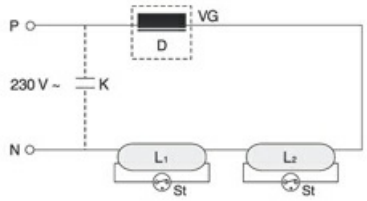
One-lampe ciruit with electronic ballast
Key:
VG = ballast electronic (ECG)
P = phase
N = zero potential
Ctrl = Controller, dimmer

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Circuit with multi electronic ballast
Key:
VG = ballast electronic (ECG)
P = phase
N = zero potential
Ctrl = Controller, dimmer

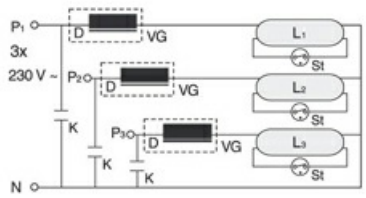
The required control gear (here electronic ballast) for the lamps operation is usually mounted in the suitable luminaire in an appropriate electric circuit. Changes of any kind are to be conducted by qualified and specialised staff, only. Thus, this circuit example is to be understood merely as a technical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



Serious connection with conventional (low loss) ballast
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.

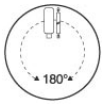
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Three phase current connection
Key:
D = choke
L. = lamp
St = starter
VG = ballast electromagnetic (KVG/VVG)
P = phase
N = zero potential
K = p. f. correction capacitor

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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.