

G



5200



20 000h



Dimmable

## General Data

Article No.	31119986
Code	NL-T8 58W/840/G13
Product EAN	4008597199868
Box quantity (pcs.)	25
EAN Box	4008597499869
Gross weight of box in kg	6.527
Length of box in m	1.554
Width of box in m	0.148
Height of box in m	0.145
Product weight	167 g
Product status	<span style="color: red;">●</span> Inactive

## Electric Parameters

Wattage	61.2 W
Weighted energy consumption in 1000 hours	62 kWh
Lamp voltage	111 V
Mains voltage	230 V
Nominal current (mA)	670 mA

## Electric Parameters

dimmable	Yes
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## Light Application Parameters

Luminous flux	5200 lm
Rated lamp luminous flux	5200 lm
max. luminous flux at	25 °C
Beam angle	360 °
Total mains efficacy	85 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.	1514.2 mm
Length	1500 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

# Fluorescent lamp Spectralux®Plus

NL-T8 58W/840/G13

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## Information especially for EPREL

Energylabel notice	current label, with EPREL registration
EPREL ID number	1203003

## Miscellaneous

EU-date of phase-out	25.08.2023
EU Directive	RoHS
Similar products	31119987, 31120338

## 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](http://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



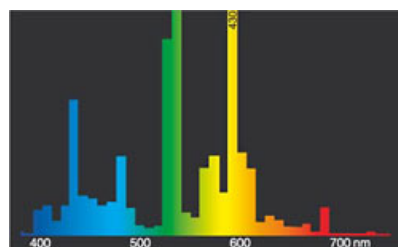
G13  
IEC/EN 60061-1  
sheet 7004-51-8

### Spectrum

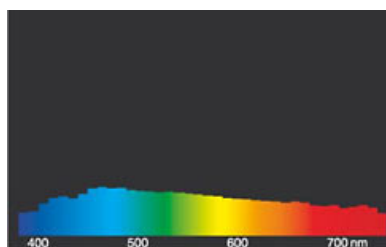
Natural daylight is a mixture of direct sunlight and the light of the sky. Therefore, its spectral composition changes permanently due to the changing time of day. The standardised light classification D65 corresponds to a daylight with a colour temperature of approximately 6500 K.

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.

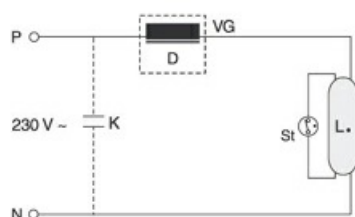


light colour 840 Spectralux® white (21)



daylight(D 65)

### Circuit diagram(s)



One-lampe circuit inductive

Key:

D = choke

L. = lamp

St = starter

VG = electromagnetic ballast (KVG/VVG)

P = phase

N = zero potential

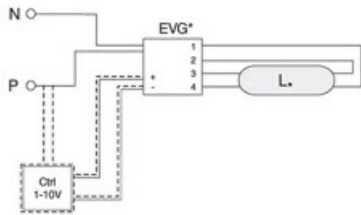
K = p. f. correction capacitor

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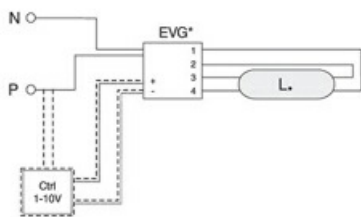
The required control gear (here starter and ballast) for the lamps operation is usually mounted in the suitable luminaire in an appropriate electric circuit. Changes of any kind are to be conducted by qualified and specialised staff, only. Thus, this circuit example is to be understood merely as a technical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



One-lampe circuit with electronic ballast

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

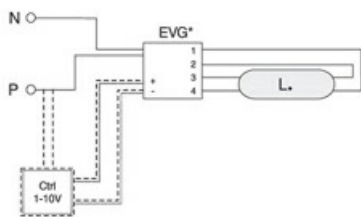
background information for interested users.



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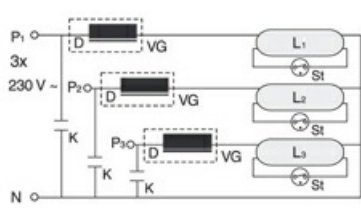
background information for interested users.



One-lampe circuit with electronic ballast

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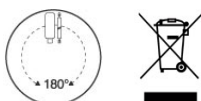


Three phase current connection

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

# Fluorescent lamp Spectralux®Plus

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