

# High pressure sodium lamp

RNP-T 150W/230/E40 EX

# Radium

Product Datasheet Date: 05.06.2026



15000



2000K



24 000h

## General Data

Article No.	34417059
Code	RNP-T 150W/230/E40 EX
Product EAN	4008597170591
Box quantity (pcs.)	12
EAN Box	4008597470592
Gross weight of box in kg	2.8
Length of box in m	0.216
Width of box in m	0.166
Height of box in m	0.277
Product weight	155 g

## Electric Parameters

Wattage	148,4 W
Lamp voltage	100 V
Mains voltage	230 V
Ignition voltage	4.0 up to 5.0
Nominal current (A)	1.8 A
Nominal choke current	3 A

## Electric Parameters

Compensation capacitor for 50Hz operation	20 $\mu$ F
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## Light Application Parameters

Luminous flux	15000 lm
Rated lamp luminous flux	15000 lm
Efficacy / Luminous efficiency	100 lm/W
Total mains efficacy	100 lm/W
Colour temperature	2000 K
Color rendering index	12
Lumen maintenance at 2000h	0.92
Lumen maintenance at 4000h	0.96
Lumen maintenance at 6000h	0.95
Lumen maintenance at 8000h	0.94
Lumen maintenance at 12000h	0.92
Lumen maintenance at 16000h	0.91
Lumen maintenance at 20000h	0.89

## Service Life

Average life	24000 h
B5 - Service life 5% failures	8000 h
B10 - Service life 10% failures	11000 h
Lamp survival factor at 2000h	0.99
Lamp survival factor at 4000h	0.98
Lamp survival factor at 6000h	0.95
Lamp survival factor at 8000h	0.90
Lamp survival factor at 12000h	0.87
Lamp survival factor at 16000h	0.74
Lamp survival factor at 20000h	0.50

## Specification

Diameter	47 mm
Length	210 mm
Total length max.	210 mm
Burning position	h180
Mercury content	16.3 mg
Lamp shape	Tube, single-ended

## Specification

Model	Clear
Base	E40

## Notes on Operation

Burning position	h180
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## Notes

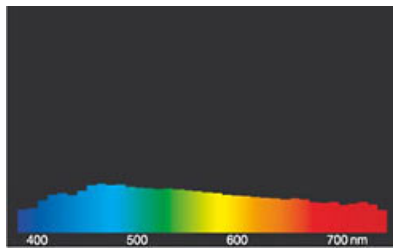
Standard high-pressure sodium lamp, clear tubular bulb, E40 base, for sale outside the EU, without CE mark.

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.

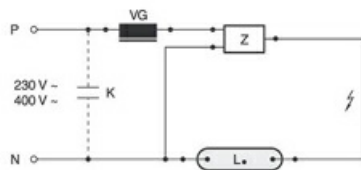
The "lifespan L70" described for LED lamps indicates the number of hours when the luminous flux has decreased to 70% of its initial value.

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).

## Spectrum



## Circuit diagram(s)



Standard circuit HID with external ignitor

Key:

L = lamp

VG = electromagnetic ballast (KVG/VVG)

P = phase

N = zero potential

K = p. f. correction capacitor

Z = ignitor

The required control gear (here ignitor 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

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even destruction. Therefore, Radium cannot be responsible for consequential damages.

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All technical data without guarantee.