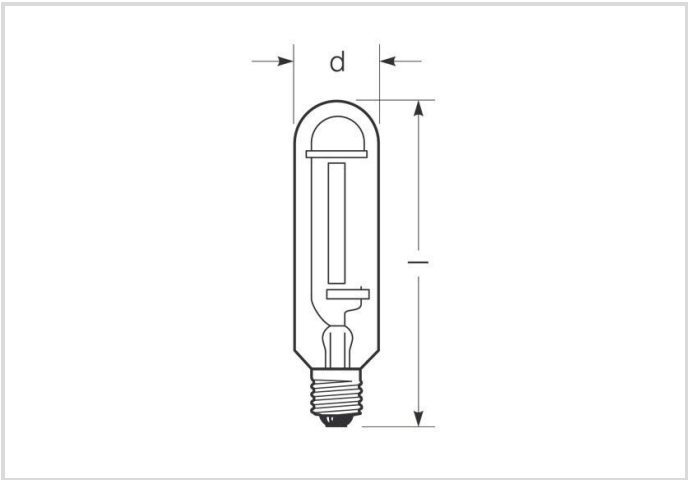


# High pressure sodium lamp

RNP-T 150W/230/E40 EX

Radium

Product Datasheet Date: 06.09.2025



15000



2000K



24 000h

## General Data

|                           |                       |
|---------------------------|-----------------------|
| Article No.               | 34417059              |
| Code                      | RNP-T 150W/230/E40 EX |
| Product EAN               | 4008597170591         |
| Box quantitiy (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                 |
| Product status            | <div></div> Active    |

## 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         |

Electric Parameters

|                                           |       |
|-------------------------------------------|-------|
| Nominal choke current                     | 3 A   |
| Compensation capacitor for 50Hz operation | 20 µF |

Light Application Parameters

|                             |          |
|-----------------------------|----------|
| Luminous flux               | 15000 lm |
| Rated lamp luminous flux    | 15000 lm |
| Efficacy                    | 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 max.       | 210 mm  |
| Total length max. | 210 mm  |
| Burning position  | h180    |
| Mercury content   | 15.7.mg |

Specification

|            |                    |
|------------|--------------------|
| Lamp shape | Tube, single-ended |
| Model      | Clear              |
| Base       | E40                |

Notes on Operation

|                  |      |
|------------------|------|
| Burning position | h180 |
|------------------|------|

Notes

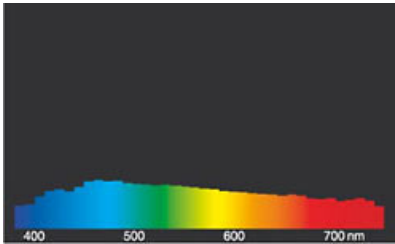
Standard high-pressure sodium lamp, clear tubular bulb, E40 base, for sale outside the EU, without CE mark.

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.

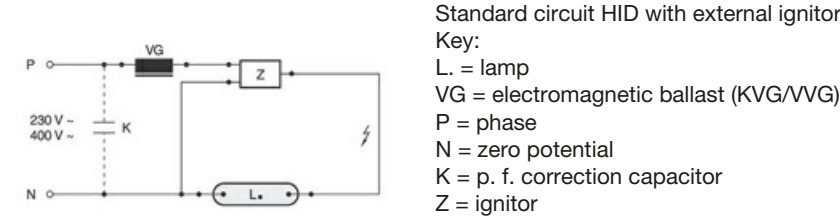
The "lifespan L70" described for LED lamps indicates the number of hours when the luminous flux has decreased to 70% of its initial value.

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)



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

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# Radium

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All technical data without guarantee.