

High pressure sodium lamp RNP-T/LR 100W/S/230/E40

Logistic Data

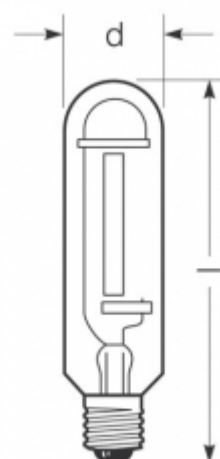
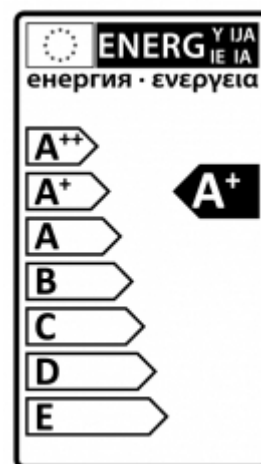
Article No.	34410170
Code	RNP-T/LR 100W/S/230/E40
Product EAN	4008597101700
Customs tariff no.	85393220
Box quantity (pcs.)	12
EAN Box	4008597401701
Gross weight of box in kg	2.193
Length of box in m	0.2
Width of box in m	0.16
Height of box in m	0.25
Pieces per palette	1860
EAN Palett	4008597601705
ETIM class	EC000821
ETIM class name	High pressure sodium lamp

Electric Parameters

Lamp nominal wattage	100 W
Rated wattage	100.0 W
Mains voltage	230 V
Lamp voltage	100 V
Ignition voltage	4.0 to 5.0
Supply frequency	50
Lamp's nominal current	1.2 A
Nominal choke current	1.2 A
Running up current max.	125%
Compensation capacitor for 50Hz operation	12 µF
Energy Consumption kWh/1000h	110
Fuse	Delay-action; min. double Nominal current

Light Application Parameters

Luminous flux	10700 lm
Rated lamp luminous flux	10700 lm
Luminous efficiency	107 lm/W
Colour temperature	2000 K
Colour rendering index Ra	25
Colour rendering group	20-39 (Klasse 4)



Service Life

Mean service life	28000 h
Info about service life	12B50, 50Hz
Lamp survival factor at 2000h	0.99
Lamp survival factor at 4000h	0.98
Lamp survival factor at 6000h	0.98
Lamp survival factor at 8000h	0.98
Lamp survival factor at 12000h	0.96
Lamp survival factor at 16000h	0.95
Lamp survival factor at 20000h	0.90
Lumen maintenance at 2000h	0.94
Lumen maintenance at 4000h	0.92
Lumen maintenance at 6000h	0.90
Lumen maintenance at 8000h	0.89
Lumen maintenance at 12000h	0.88
Lumen maintenance at 16000h	0.87
Lumen maintenance at 20000h	0.86
Operation mode for LLMF/LSF	50 Hz

Specification

Diameter max.	47 mm
Length max.	210 mm
Overall length	210 mm
Controllable (in suitable circuit)	up to 50% (Run up at Nominal power)
dimnable	ja
Energylabel from 2013	A+
Mercury content	19.0 mg
Base	E40
Lamp shape	Tube, one base
Design	clear

Notes on Operation

Starter / Ignitor	external
Ignition assured down to about (°C)	-20 (with heated ignitor -50)
Operation with CCG (choke coil)	+
Re-ignition behaviour	After ca. 1 min. Cooling Normal ignition possible
Burning position	hs30
External ballast required	Yes
External ignitor required	Yes

Miscellaneous

EU Directive	TIM
ILCOS name	ST-100-H-E40
LBS name	HST-X4 100W E27

Notes:

High pressure sodium vapour lamp Super, meets all EU requirements

Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage. The 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).

Notes

Base



E40
IEC/EN 60061-1
sheet 7004-24-6

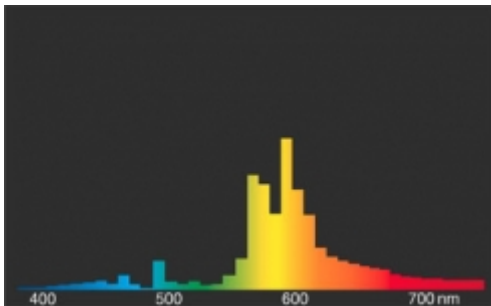
Spectrum

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.

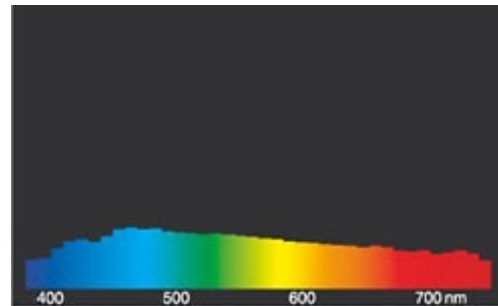
Every discharge lamp type has got an individual spectral power distribution according to its chemical filling. From this result important properties light colour or colour rendering. Sodium vapour lamps are very economic, due to the yellow light RNP lamps have got a high luminous efficiency but only modest colour rendering.

After the lamp start a high pressure sodium lamp needs about 6-10 minutes time to reach its full luminous flux.

Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm)per 10nm.



RNP Standard/Super



daylight(D 65)

Special features



Please, dump as special waste, **no ordinary household waste!**

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.