

# High Pressure Sodium Lamp – FloRaSol



## Technical Information

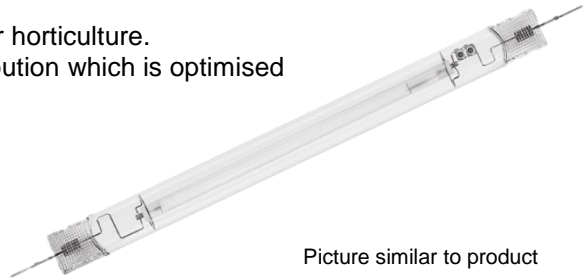
### RNP-TS 1000W FloRaSol

This Radium high pressure sodium lamp is a discharge lamp for horticulture. It is especially suitable for plant growth due to its spectral distribution which is optimised for enhancing photosynthesis.

**Main applications:** Greenhouses

**Notes at a glance:**

- light for increasing plant growth
- higher yields in harvest of fruit, flowers and vegetables
- control over blossoming
- 90% photon flux maintenance at 10,000h



Picture similar to product

**RNP lamps must be operated under the specified operating conditions with suitable control gear, only. This lamp does not need an enclosed luminaire for operation.**

#### Technical Data:

Electrical parameters	
Lamp wattage:	1020 W
Mains voltage:	400 V
Nominal gear current:	4.5 A
Lamp current:	4.4 A
Lamp voltage:	230 V
Ignition voltage:	2.3 kVp
Operation mode:	HF ECG

Lifetime	
Service life min. (B10):	10,000 h
Rated LSF at 2000h:	0.98
Rated LSF at 4000h:	0.96
Rated LSF at 6000h:	0.94
Rated LSF at 8000h:	0.92
Rated LSF at 10000h:	0.90
Rated LSF at 12000h:	0.88

Photometric data	
Photon flux:	2020 $\mu\text{mol/s}$
Photon flux efficacy:	1.98 $\mu\text{mol/s/W}$
Rated MF* at 2000h:	0.98
Rated MF at 4000h:	0.96
Rated MF at 6000h:	0.94
Rated MF at 8000h:	0.92
Rated MF at 10000h:	0.90
Rated MF at 12000h:	0.88

Geometry & miscellaneous	
Hg content max.:	58.8 mg
Base:	K12 X30s
Length l max.:	394.0 mm
Diameter d max.:	38.0 mm
Light centre length (LCL):	195.0 mm
Product weight:	125.0 g
Max. permitted pinch temperature:	250 °C
Max. permitted bulb temperature:	700 °C
Burning position:	p15

\*Rated MF: rated lamp photon maintenance factor with respect to initial value at 100h

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**Radium  
TECH**

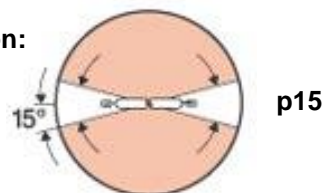
Technical Information

## Geometry:

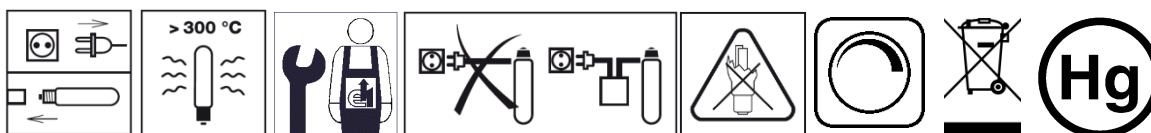


<b>l max.</b>	394.0	mm
<b>d max.</b>	38.0	mm
<b>LCL</b>	195.0	mm

## Burning position:



## Pictos:



## Spectral power distribution:

