

## PLANTASTAR 1000 W

PLANTASTAR-TS | High-pressure sodium vapor lamps for enclosed luminaires



### Areas of application

- Greenhouses
- Suitable for growth of fruit due to emission of photosynthesis optimised light
- Outdoor applications only in suitable luminaires

### Product benefits

- Shorter production times
- Control over blossoming

### Product features

- Average lifetime: 12,000 hours
- Provides light for the photosynthesis in plants
- Photon flux: > 90 % after 12,000 hours
- High-pressure sodium lamp especially for greenhouse lighting



## Technical data

### Electrical data

Nominal wattage	1000 W
Rated wattage	1000.00 W
Lamp current	4.20000 A
Nominal voltage	400 V
Ignition voltage	4.0 / 5.0 kVp

### Photometrical data

Photon flux	1900 $\mu\text{mol/s}$
Photon flux efficacy	1.9 $\mu\text{mol/s/W}$
Color rendering index Ra	25
Color temperature	2000 K

### Dimensions & weight



Diameter	38.0 mm
Construction length	394.0 mm
Light center length (LCL)	195.0 mm
Product weight	125.00 g

### Temperatures

Maximum permitted outer bulb temperature	530 °C
Maximum permitted pinch temperature	250 °C

### Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.98
Rated lamp survival factor at 6,000 h	0.98

## Product datasheet

Rated lamp survival factor at 8,000 h	0.96
Rated lamp survival factor at 12,000 h	0.94
Lifespan B50	32000 h
Lifespan B10	15000 h
Lifespan B5	10000 h

### Additional product data

New article	NEW
Base (standard designation)	-
Lamp mercury content	58.1 mg

### Capabilities

Dimmable	No
Burning position	Horizontal
Enclosed luminaire required	No

### Certificates & standards

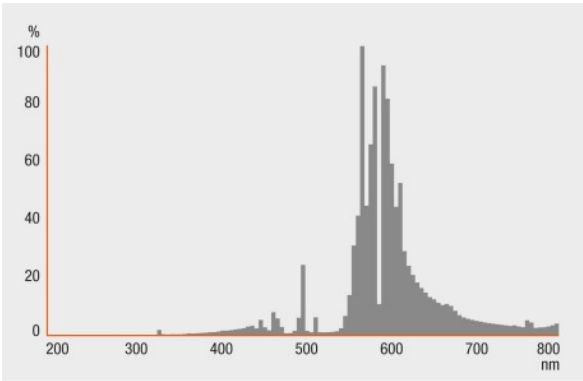
Energy efficiency class	A++
Energy consumption	1100 kWh/1000h

### Country specific categorizations

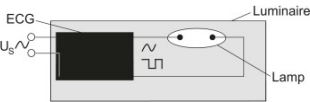
ILCOS	SD-1000-E/E/H-K12=30s-37.5/394
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Product datasheet

Light Distribution



Spectral power distribution



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321530356	PLANTASTAR 1000 W	Shipping carton box 6	430 mm x 283 mm x 64 mm	7.79 dm <sup>3</sup>	935.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.