

Product datasheet

PLANTASTAR 600 W 230 V E40

PLANTASTAR-T | High-pressure sodium vapor lamps for open and enclosed luminaires



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

- Shorter production times Control over blossoming



Product datasheet

Technical data

Electrical data

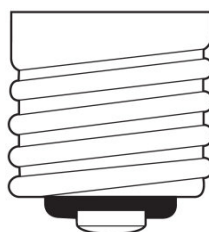
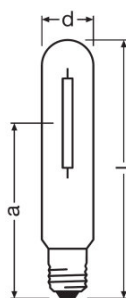
Nominal wattage	600.00 W
Rated wattage	600.00 W
Lamp current	6.06 A
Nominal voltage	230 V
Ignition voltage	4.0 kVp;5.0 kVp ¹⁾
Nominal current	6.06 A

¹⁾ Minimum;Maximum

Photometrical data

Photon flux	1100 $\mu\text{mol/s}$
Photon flux efficacy	1.73 $\mu\text{mol/s/W}$
Color rendering index Ra	25
Color temperature	2000 K
Rated LLMF at 2,000 h	0.98
Rated LLMF at 4,000 h	0.97
Rated LLMF at 6,000 h	0.96
Rated LLMF at 8,000 h	0.95
Rated LLMF at 12,000 h	0.94
Rated LLMF at 16,000 h	0.94
Rated LLMF at 20,000 h	0.94
Rated luminous flux	90000 lm
Nominal luminous flux	90000 lm
Rated color temperature	2000 K
Luminous flux	90000 lm

Dimensions & weight



E40
IEC 7004-24
DIN 49625

Product datasheet

Diameter	47.0 mm
Length	285.0 mm
Light center length (LCL)	175.0 mm
Product weight	187.00 g
Outer bulb	T46
Overall length	285.0 mm

Temperatures & operating conditions

Maximum permitted outer bulb temperature	450 °C
Maximum permitted base edge temperature	250 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.96
Rated lamp survival factor at 16,000 h	0.95
Rated lamp survival factor at 20,000 h	0.93
Lifespan B50	32000 h
Lifespan B10	24000 h
Lifespan B5	20000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
Design / version	clear
Mercury content	19.6 mg ¹⁾
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

¹⁾ Maximum

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

Certificates & standards

Energy efficiency class	A++
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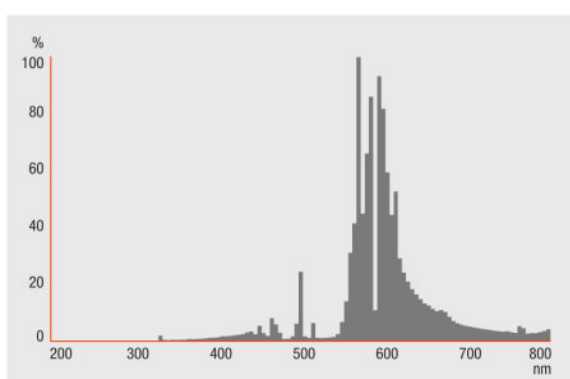
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Energy consumption	690 kWh/1000h
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Country specific categorizations

ILCOS	ST-600-H/E-E40-47/285
Order reference	PLANTASTAR 600W

Light Distribution



Spectral power distribution

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300620107	PLANTASTAR 600 W 230 V E40	Shipping carton box 12 Pieces Sleeves	266 mm x 342 mm x 217 mm	19.74 dm ³	2850.00 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.

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