

PLANTASTAR 400 W E40

PLANTASTAR | High-pressure sodium vapor lamps



• Greenhouses

Product benefits

- Shorter production times
- Healthier plants
- Control over blossoming

Product features

- Average life: 12,000 hours



Technical data

Electrical data

Nominal wattage	400 W
Rated wattage	400 W
Lamp current	4.4 A
Ignition voltage	4.0 / 5.0 kVp ¹⁾
Rated lamp efficacy (standard condition)	141 lm/W

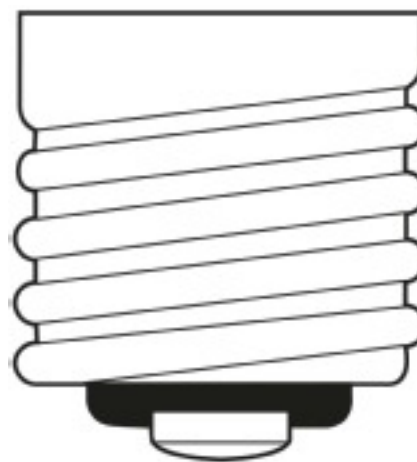
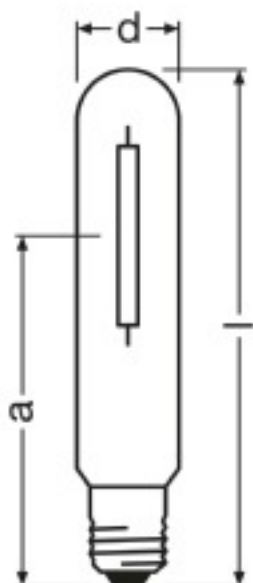
¹⁾ Minimum / Maximum

Light technical data

Nominal luminous flux	56500 lm
Rated luminous flux	56500 lm
Color temperature	2000 K
Color rendering index Ra	20
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

Dimensions & weight

Diameter	47.0 mm
Length	285.0 mm
Light center length (LCL)	175.0 mm



E40
IEC 7004-24
DIN 40625

Product line drawing with letters

Base

Colors & materials

Lamp mercury content	24.0 mg
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Temperatures

Maximum permitted outer bulb temperature	400 °C
Maximum permitted base edge temperature	250 °C

Lifespan

Lifespan B50	12000 h
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

Lifespan

Rated lamp survival factor at 20,000 h	0.93
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
Design / version	Clear
Footnote used only for product	Lamp requires igniter with an ignition voltage of 4...5 kVs

Capabilities

Dimmable	No
Burning position	Any

Country specific categorizations

ILCOS	ST-400-H-E40-47/285
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Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4050300620084	Sleeves 1	52 mm x 52 mm x 325 mm	219.50 g	0.88 dm ³
4050300620091	Shipping carton box 12	221 mm x 345 mm x 268 mm	2694.00 g	20.43 dm ³

Disclaimer

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