

NAV-T SUPER 4Y 400 W E40

VIALOX NAV-T SUPER 4Y | High-pressure sodium vapor lamps



- Industrial installations
- Streets
- Tunnels, underpasses
- Car parks, courtyards
- Parks and gardens
- Buildings, monuments, bridges

Product benefits

- Dimmable on conventional control gears and electronic control gears
- Optimum energy efficiency on POWERTRONIC PTo 3DIM ECGs
- Up to 25 % longer life than standard lamps
- Greater reliability than standard lamps
- Up to 20 % higher luminous efficiency than standard lamps
- Greater mast spacing possible than with standard lamps
- Better luminous flux maintenance than standard lamps
- Four year relamping cycle

Product features

- Lamp survival factor: ≥ 95 % after 16,000 hours burning time (for $P \geq 70$ W)



Technical data

Electrical data

Nominal wattage	400 W
PFC capacitor at 50 Hz	45 μ F ¹⁾
Rated wattage	400 W
Lamp current	4.4 A
Rated lamp efficacy (standard condition)	141 lm/W

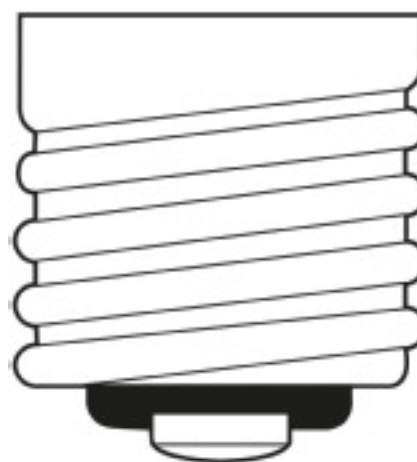
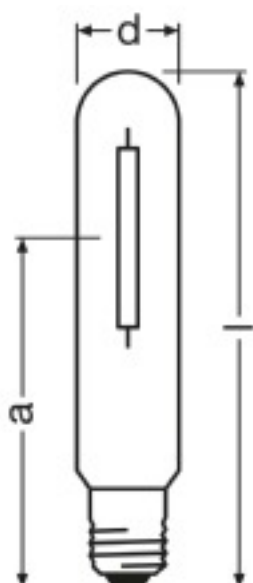
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

Light technical data

Nominal luminous flux	56500 lm
Color rendering group	4
Rated luminous flux	56500 lm
Color temperature	2000 K
Color rendering index Ra	20
Luminance	750 cd/cm ²
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	20.0 mg
Mercury-free	No

Temperatures

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

Lifespan

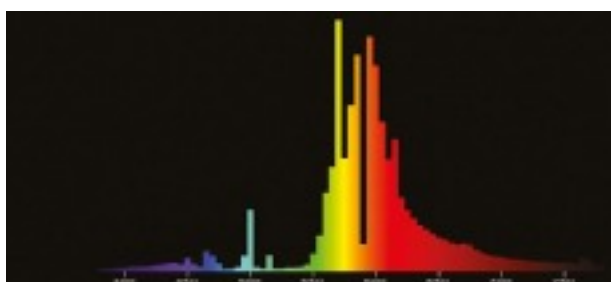
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.96
Rated lamp survival factor at 16,000 h	0.95

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	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable



Spectral power distribution

Capabilities

Dimmable	Yes
Burning position	Any



Country specific categorizations

ILCOS	ST-400/20/4-H-E40-47/285
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Disclaimer

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