NAV-E 250 W E40

VIALOX NAV-E 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: $\geq$ 95 % after 16,000 hours burning time (for P $\geq$ 70 W)
- All wattages are ErP compliant

Technical data

Electrical data

Nominal wattage	250 W
Rated wattage	255 W
Lamp current	3 A
Ignition voltage	3.3 / 5.0 kVp [1]
Rated lamp efficacy (standard condition)	124 lm/W

[1] Minimum / Maximum

Light technical data

Nominal luminous flux	31100 lm
Rated luminous flux	31600 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	91.0 mm
Length	226.0 mm
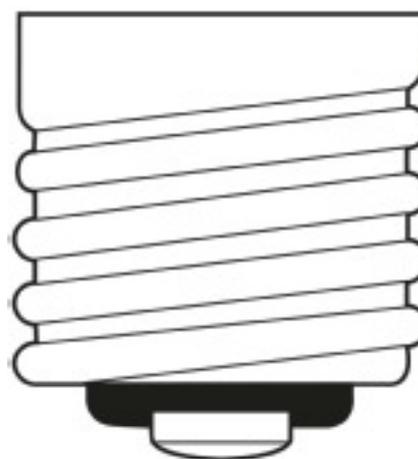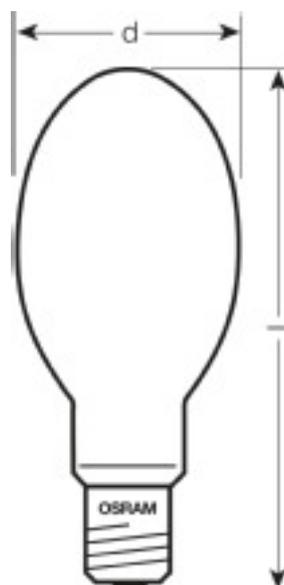
Product line drawing with letters

E40
IEC 7004-24
DIN 49625

Base

Colors & materials

Lamp mercury content	24.0 mg

Temperatures

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

Lifespan

Lifespan B50	32000 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	Coated
Footnote used only for product	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
System guarantee level	3c

Capabilities

Dimmable	Yes
Burning position	Any

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Country specific categorizations

ILCOS	SE-250/20/4-H-E40-91/226

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4050300024387	Round wrap 1	95 mm x 95 mm x 240 mm	198.00 g	2.17 dm³
4050300631868	Shipping carton box 12	331 mm x 252 mm x 426 mm	2963.00 g	35.53 dm³

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Disclaimer

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

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