
NAV-E 1000 W E40

VIALOX NAV-E | High-pressure sodium vapor lamps for open and enclosed luminaires



Areas of application

- Streets
- Outdoor lighting
- Industrial installations
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- High luminous efficacy

Product features

- Service lifetime: 3 years (at approx. 11 h/day)
- Average lifetime: up to 24,000 hours
- ErP compliant according to EU Directive 245/2009



Product datasheet

Technical data

Electrical data

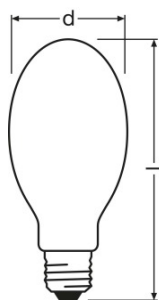
Nominal wattage	1000.00 W
Nominal voltage	110 V
Lamp current	10.30000 A
Rated wattage	1000.00 W
Ignition voltage	3.6 / 5.0 kVp ¹⁾
Rated lamp efficacy (standard condition)	128 lm/W

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	130000 lm
Rated luminous flux	130000 lm
Color rendering index Ra	≤25
Color temperature	2000 K
Rated LLMF at 2,000 h	0.98
Rated LLMF at 4,000 h	0.95
Rated LLMF at 6,000 h	0.93
Rated LLMF at 8,000 h	0.91
Rated LLMF at 12,000 h	0.86
Rated LLMF at 16,000 h	0.80
Rated LLMF at 20,000 h	0.70

Dimensions & weight



Diameter	165.0 mm
Length	355.0 mm
Product weight	365.30 g

Temperatures

Product datasheet

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

Lifespan

Lifespan B50	20000 h
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	0.96
Rated lamp survival factor at 8,000 h	0.93
Rated lamp survival factor at 12,000 h	0.86
Rated lamp survival factor at 16,000 h	0.74
Rated lamp survival factor at 20,000 h	0.50

Additional product data

Base (standard designation)	E40
Design / version	Coated
Lamp mercury content	3.0 mg

Capabilities

Burning position	Any
Enclosed luminaire required	No
Dimmable	Yes

Certificates & standards

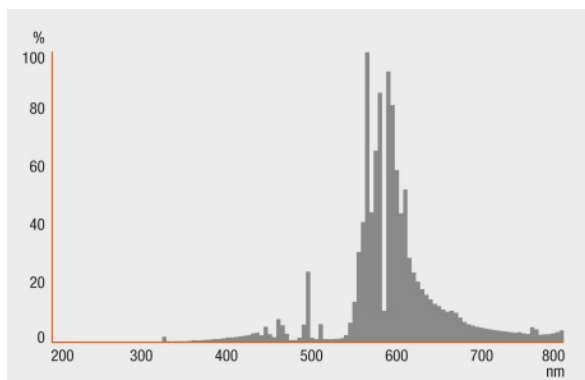
Energy efficiency class	A+
Energy consumption	1100 kWh/1000h

Country specific categorizations

ILCOS	SE-1000-H/E/SL-E40-165/355
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Light Distribution

Product datasheet



Spectral power distribution

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4050300216805	NAV-E 1000 W E40	Shipping carton box 6	420 mm x 383 mm x 564 mm	90.73 dm ³	3902.50 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.