

# PRODUCT DATASHEET

## NAV-E 400 W E40

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



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### AREAS OF APPLICATION

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

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### PRODUCT BENEFITS

- High luminous efficacy

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### PRODUCT FEATURES

- Service lifetime: 3 years (at approx. 11 h/day)
- Average lifetime: up to 24,000 h



**TECHNICAL DATA**

Electrical data

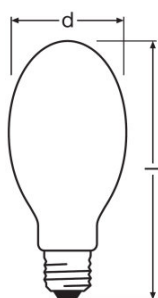
<b>Nominal wattage</b>	400.00 W
<b>Rated wattage</b>	400.00 W
<b>Lamp current</b>	4.45 A
<b>Nominal voltage</b>	105 V
<b>Ignition voltage</b>	3.3 / 5.0 kVp <sup>1)</sup>

<sup>1)</sup> Minimum / Maximum

Photometrical data

<b>Rated lamp efficacy (standard condition)</b>	120 lm/W
<b>Rated luminous flux</b>	48000 lm
<b>Color rendering index Ra</b>	≤25
<b>Color temperature</b>	2000 K
<b>Rated LLMF at 2,000 h</b>	0.97
<b>Rated LLMF at 4,000 h</b>	0.96
<b>Rated LLMF at 6,000 h</b>	0.95
<b>Rated LLMF at 8,000 h</b>	0.94
<b>Rated LLMF at 12,000 h</b>	0.92
<b>Rated LLMF at 16,000 h</b>	0.91
<b>Rated LLMF at 20,000 h</b>	0.89
<b>Luminous flux</b>	48000 lm

Dimensions & weight



<b>Diameter</b>	122.0 mm
<b>Length</b>	290.0 mm
<b>Product weight</b>	229.00 g

Temperatures & operating conditions

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	0.98
Rated lamp survival factor at 6,000 h	0.97
Rated lamp survival factor at 8,000 h	0.96
Rated lamp survival factor at 12,000 h	0.95
Rated lamp survival factor at 16,000 h	0.90
Rated lamp survival factor at 20,000 h	0.85
Lifespan B50	28000 h
Lifespan B10	16000 h
Lifespan B5	12000 h
Operation mode LLMF/LSF	50 Hz

### Additional product data

Base (standard designation)	E40
Product remark	Phased out in the EU as non ErP compliant according to EU directive 245/2009
Design / version	Coated
Mercury content	19.9 mg

### Capabilities

Dimmable	Yes
Burning position	Any
Enclosed luminaire required	No

### Certificates & standards

Energy efficiency class	A+
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Energy consumption	440 kWh/1000h

### Country-specific categorizations

ILCOS	SE-400-H/E/SL-E40-122/290
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### LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300015637	NAV-E 400 W E40	Shipping carton box 12	545 mm x 322 mm x 420 mm	73.71 dm <sup>3</sup>	4364.00 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.

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**DISCLAIMER**

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