

## NAV-E 70 W/E E27

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



## Technical data

### Electrical data

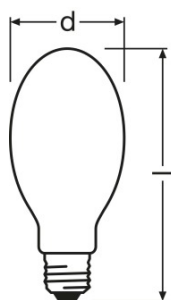
Nominal wattage	70.00 W
Rated wattage	70.00 W
Lamp current	0.98 A
Nominal voltage	90.0 V
Ignition voltage	1.8 / 5.0 kVp <sup>1)</sup>
Rated lamp efficacy (standard condition)	84 lm/W
Rated luminous flux	5900 lm

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

### Photometrical data

Color rendering index Ra	≤25
Color temperature	2000 K
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.86
Rated LLMF at 6,000 h	0.83
Rated LLMF at 8,000 h	0.82
Rated LLMF at 12,000 h	0.81
Rated LLMF at 16,000 h	0.81
Rated LLMF at 20,000 h	0.80

### Dimensions & weight



Diameter	71.0 mm
Length	156.0 mm
Product weight	56.00 g

### Temperatures & operating conditions

## Product datasheet

Maximum permitted outer bulb temperature	310 °C
Maximum permitted base edge temperature	210 °C

### Lifespan

Rated lamp survival factor at 2,000 h	0.98
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	0.85
Rated lamp survival factor at 20,000 h	0.75
Lifespan B50	24000 h
Lifespan B10	14000 h
Lifespan B5	12000 h
Operation mode LLMF/LSF	50 Hz

### Additional product data

Base (standard designation)	E27
Product remark	ErP compliant according to EU Regulation 245/2009
Design / version	Coated
Lamp mercury content	19.0 mg <sup>1)</sup>

<sup>1)</sup> Maximum

### Capabilities

Dimmable	Yes <sup>1)</sup>
Burning position	Any
Enclosed luminaire required	No

<sup>1)</sup> In combination with POWERTRONIC PTO

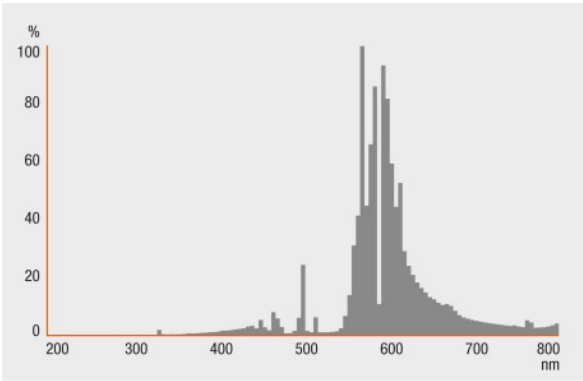
### Certificates & standards

Energy efficiency class	A
Energy consumption	77 kWh/1000h

### Country specific categorizations

ILCOS	SE-70-H/E/SL-E27-71/156
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Light Distribution



Spectral power distribution

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300015767	NAV-E 70 W/E E27	Shipping carton box 24	360 mm x 356 mm x 285 mm	36.53 dm <sup>3</sup>	1967.00 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.

Disclaimer

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