

# PRODUCT DATASHEET

## NAV-E 70 W/I E27

VIALOX NAV-E/I | High-pressure sodium vapor lamps with internal igniter



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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
- ErP compliant according to EU Regulation 245/2009



**TECHNICAL DATA**

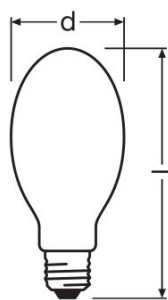
Electrical data

<b>Rated wattage</b>	74.60 W
<b>Lamp current</b>	0.98 A
<b>Nominal wattage</b>	74.60 W
<b>Nominal voltage</b>	90 V
<b>Ignition voltage</b>	0.198 kVp

Photometrical data

<b>Rated lamp efficacy (standard condition)</b>	84 lm/W
<b>Rated luminous flux</b>	5900 lm
<b>Color temperature</b>	2000 K
<b>Rated LLMF at 2,000 h</b>	0.92
<b>Rated LLMF at 4,000 h</b>	0.86
<b>Rated LLMF at 6,000 h</b>	0.83
<b>Rated LLMF at 8,000 h</b>	0.82
<b>Rated LLMF at 12,000 h</b>	0.81
<b>Rated LLMF at 16,000 h</b>	0.81
<b>Rated LLMF at 20,000 h</b>	0.80
<b>Luminous flux</b>	5900 lm
<b>Color rendering index Ra</b>	≤25

Dimensions & weight



<b>Diameter</b>	71.0 mm
<b>Length</b>	156.0 mm
<b>Product weight</b>	50.00 g

Temperatures & operating conditions

<b>Maximum permitted outer bulb temperature</b>	310 °C
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Maximum permitted base edge temperature	210 °C
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### Lifespan

Rated lamp survival factor at 2,000 h	0.98
Rated lamp survival factor at 4,000 h	0.97
Rated lamp survival factor at 6,000 h	0.97
Rated lamp survival factor at 8,000 h	0.60
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	0.70
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	Operate only with NAV control gear. No igniter required/ErP compliant according to EU Regulation 245/2009
Design / version	Coated
Mercury content	18.7 mg <sup>1)</sup>

<sup>1)</sup> Maximum

### Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

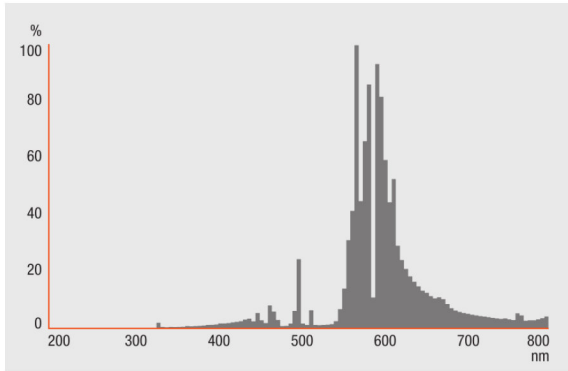
### Certificates & standards

Energy efficiency class	G
Energy consumption	77 kWh/1000h

### Country-specific categorizations

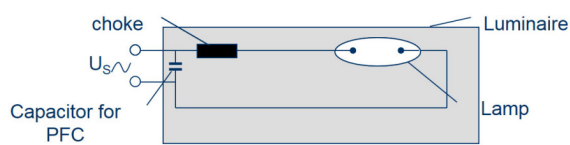
ILCOS	SE-70-H/I/S-E27-71/156
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## Light Distribution



Spectral power distribution

## Wiring Diagram



Wiring diagram

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300015590	Round wrap 1	75 mm x 75 mm x 165 mm	83.00 g	0.93 dm <sup>3</sup>
4050300221250	Shipping carton box 24	360 mm x 355 mm x 283 mm	2039.00 g	36.17 dm <sup>3</sup>

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.