

# Product datasheet

## NAV-E 70 W SUPER 4Y

VIALOX NAV-E SUPER 4Y | High-pressure sodium vapor lamps for open and enclosed luminaires



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

- Long lifetime Very high luminous efficacy Very good luminous flux maintenance throughout the life of the lamp Energy savings of up to 50 % when replacing mercury vapor lamps (HQL) Optimum energy efficiency on POWERTRONIC PTo 3DIM ECGs



## Product datasheet

### Technical data

#### Electrical data

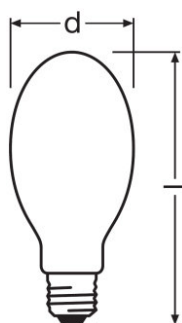
Nominal wattage	70.00 W
Rated wattage	71.00 W
Lamp current	0.97 A
Nominal voltage	90 V
Ignition voltage	1.8 kVp;5.0 kVp <sup>1)</sup>
Nominal current	0.97 A

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

#### Photometrical data

Rated lamp efficacy (standard condition)	90 lm/W
Rated luminous flux	6400 lm
Color rendering index Ra	≤25
Color temperature	2000 K
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.91
Rated LLMF at 6,000 h	0.90
Rated LLMF at 8,000 h	0.89
Rated LLMF at 12,000 h	0.88
Rated LLMF at 16,000 h	0.86
Rated LLMF at 20,000 h	0.85
Nominal luminous flux	6400 lm
Rated color temperature	2000 K
Luminous flux	6400 lm

#### Dimensions & weight



Diameter	71.0 mm
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Length	156.0 mm
Product weight	52.00 g
Outer bulb	E70
Overall length	156.0 mm

### Temperatures & operating conditions

Maximum permitted outer bulb temperature	310 °C
Maximum permitted base edge temperature	210 °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	0.98
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
Rated lamp survival factor at 20,000 h	0.90
Lifespan B50	30000 h
Lifespan B10	20000 h
Lifespan B5	16000 h
Operation mode LLMF/LSF	50 Hz

### Additional product data

Base (standard designation)	E27
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
Design / version	Coated
System guarantee level	3 (2/5)
Mercury content	18.7 mg <sup>1)</sup>
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

<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

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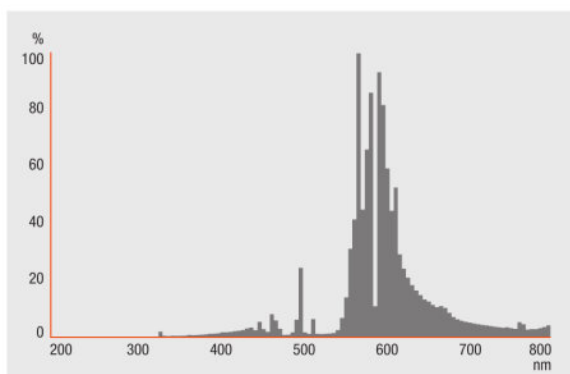
### Certificates & standards

Energy efficiency class	A+
Energy consumption	79 kWh/1000h

### Country specific categorizations

ILCOS	SE-70-H/E/SL-E27-71/156
Order reference	NAV-E 70W SUPER

### Light Distribution



NAV\_SUPER\_4Y\_SUPER\_6Y

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321356048	NAV-E 70 W SUPER 4Y	Shipping carton box 24 Pieces Round wrap	360 mm x 354 mm x 283 mm	36.07 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.

### References / Links

## Product datasheet

For more information on the system guarantee and the terms and conditions of the guarantee visit

▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

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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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## NAV-E 70 W SUPER 4Y

VIALOX NAV-E SUPER 4Y | High-pressure sodium vapor lamps for open and enclosed luminaires

Product name	Product name ECG	EAN
NAV-E 70 W SUPER 4Y	PTo 70/220-240 3DIM	4008321959355