PRODUCT DATASHEET
NAV-E 150 W SUPER 4Y

VIALOX NAV-E SUPER 4Y | 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

- 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 FEATURES

- Lamp survival factor: 95 % after 16,000 h burning time
- Average lifetime: up to 36,000 h
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- ErP compliant according to EU Regulation 245/2009
- Service lifetime: 4 years (at approx. 11 h/day)
- Dimmable on conventional control gears and electronic control gears



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TECHNICAL DATA

Electrical data

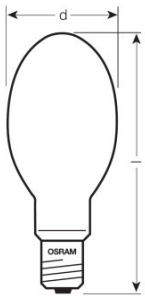
Rated wattage	152.00 W
Lamp current	1.8 A
Nominal wattage	150.00 W
Nominal voltage	100 V
Ignition voltage	3.3 / 5.0 kVp [1)]

[1)] Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	112 lm/W
Rated luminous flux	17000 lm
Color temperature	2000 K
Rated LLMF at 2,000 h	0.98
Rated LLMF at 4,000 h	0.97
Rated LLMF at 6,000 h	0.96
Rated LLMF at 8,000 h	0.95
Rated LLMF at 12,000 h	0.94
Rated LLMF at 16,000 h	0.94
Rated LLMF at 20,000 h	0.94
Luminous flux	17000 lm
Color rendering index Ra	≤25

Dimensions & weight



Diameter	76.0 mm
Length	214.0 mm
Product weight	101.00 g

Temperatures & operating conditions

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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	0.99
Rated lamp survival factor at 6,000 h	0.98
Rated lamp survival factor at 8,000 h	0.98
Rated lamp survival factor at 12,000 h	0.97
Rated lamp survival factor at 16,000 h	0.96
Rated lamp survival factor at 20,000 h	0.95
Lifespan B50	36000 h
Lifespan B10	24000 h
Lifespan B5	20000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
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	21.0 mg

Capabilities

Dimmable	Yes [1)]
Burning position	Any
Enclosed luminaire required	No

[1)] In combination with POWERTRONIC PTo

Certificates & standards

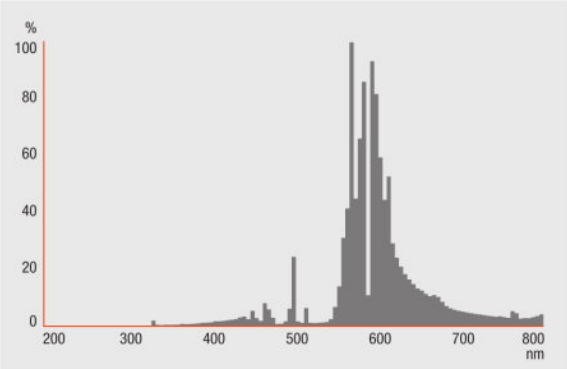
Energy efficiency class	A+
Energy efficiency class	A+
Energy consumption	168 kWh/1000h

Country-specific categorizations

ILCOS	SE-150-H/E/SL-E40-91/226

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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
4052899418226	NAV-E 150 W SUPER 4Y	Shipping carton box 12	371 mm x 291 mm x 242 mm	26.13 dm^3	1746.00 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

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

- www.ledvance.com/system-guarantee

DISCLAIMER

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

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