
Product datasheet

NAV-E 250 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

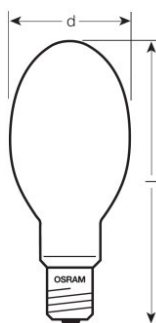
Nominal wattage	250.00 W
Rated wattage	255.00 W
Lamp current	2.95 A
Nominal voltage	100 V
Ignition voltage	3.3 kVp;5.0 kVp ¹⁾
Nominal current	2.95 A

¹⁾ Minimum;Maximum

Photometrical data

Rated lamp efficacy (standard condition)	124 lm/W
Rated luminous flux	31600 lm
Color rendering index Ra	≤25
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
Nominal luminous flux	31600 lm
Rated color temperature	2000 K
Luminous flux	31600 lm

Dimensions & weight



Diameter	91.0 mm
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Length	226.0 mm
Product weight	177.00 g
Outer bulb	E90
Overall length	226.0 mm

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	0.99
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	23.1 mg
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

Capabilities

Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTo

Certificates & standards

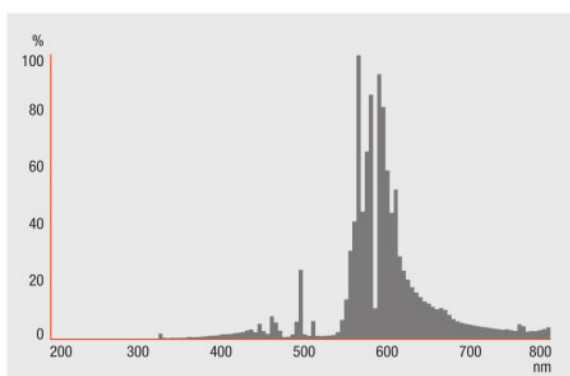
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Energy efficiency class	A+
Energy consumption	281 kWh/1000h

Country specific categorizations

ILCOS	SE-250-H/E/SL-E40-91/226
Order reference	NAV-E 250W SUPE

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
4050300024387	NAV-E 250 W SUPER 4Y	Shipping carton box 12 Pieces Round wrap	426 mm x 252 mm x 331 mm	35.53 dm ³	2963.00 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.osram.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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Product name	Product name ECG	EAN
NAV-E 250 W SUPER 4Y	PTo 250/220-240 3DIM	4008321863669