

PRODUCT DATASHEET

NAV-E 400W SUPER 4Y E40 12X1 RU

OSRAM

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

- 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
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)



- Dimmable on conventional control gears and electronic control gears

TECHNICAL DATA

Electrical data

Nominal wattage	400 W
Construction wattage	418.30 W
Nominal voltage	105 V
Nominal current	4.42 A

Photometrical data

Luminous flux	56500 lm
Luminous efficacy	141 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
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

Dimensions & Weight

Overall length	285.00 mm
Diameter	121.00 mm
Product weight	230.00 g

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	0.96
Rated lamp survival factor at 20,000 h	0.95

Additional product data

Base (standard designation)	E40
Mercury content	21.6 mg

Capabilities

Dimmable	Yes
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Certificates & Standards

Energy efficiency class	E
Energy consumption	419.00 kWh/1000h

Country-specific categorizations

Order reference	NAV-E 400W SUPE
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E40
Correlated colour temperature type	SINGLE_VALUE
Length	285.00 mm
Height	121.00 mm
Width	121.00 mm
EPREL ID	546587
Model number	AC34379

Safety advice

- Disconnect mains before installation.
- Must not be used if outer bulb is defective.
- Protect from spray water.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854126390	Round wrap 1	125 mm x 125 mm x 295 mm	264.00 g	4.61 dm³
4099854126406	Shipping box 12	541 mm x 416 mm x 317 mm	4119.00 g	71.34 dm³

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.