NAV-T 600 W SUPER 4Y

VIALOX NAV-T 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)
- Service lifetime: 4 years (at approx. 11 h/day)
- ErP compliant according to EU Regulation 245/2009
- Dimmable on conventional control gears and electronic control gears



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Technical data

Electrical data

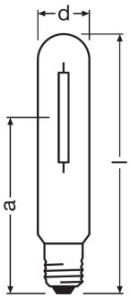
Nominal wattage	600.00 W
Rated wattage	600.00 W
Lamp current	6.06 A
Nominal voltage	110 V
Ignition voltage	3.6 kVp;5.0 kVp [1)]

[1)] Minimum;Maximum

Photometrical data

Rated lamp efficacy (standard condition)	150 lm/W
Rated luminous flux	90000 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

Dimensions & weight



Diameter	47.0 mm
Length	285.0 mm
Light center length (LCL)	175.0 mm
Product weight	172.00 g

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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	32000 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	Clear
System guarantee level	3 (2/5)
Mercury content	21.0 mg

Capabilities

Dimmable	Yes
Burning position	Any
Enclosed luminaire required	No

Certificates & standards

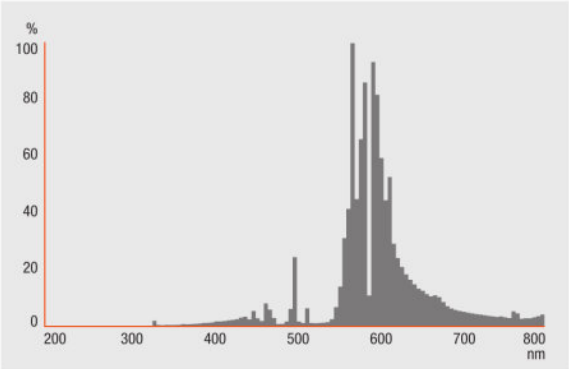
Energy efficiency class	A++
Energy consumption	660 kWh/1000h

Country specific categorizations

ILCOS	ST-600-H/E/SL-E40-47/285

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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
4050300275772	NAV-T 600 W SUPER 4Y	Shipping carton box 12 Pieces Sleeves	266 mm x 345 mm x 221 mm	20.28 dm^3	2850.00 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

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