

PRODUCT DATASHEET

NAV-T 1000 W E40

VIALOX NAV-T | 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

- High luminous efficacy

PRODUCT FEATURES

- Service lifetime: 3 years (at approx. 11 h/day)
- Average lifetime: up to 20,000 h



TECHNICAL DATA

Electrical data

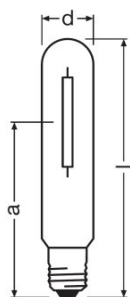
Nominal wattage	1000.00 W
Rated wattage	960.00 W
Lamp current	10.6 A
Nominal voltage	110 V
Ignition voltage	3.6 / 5.0 kVp ¹⁾

¹⁾ Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	135 lm/W
Rated luminous flux	130000 lm
Color rendering index Ra	≤25
Color temperature	2000 K
Rated LLMF at 2,000 h	0.96
Rated LLMF at 4,000 h	0.93
Rated LLMF at 6,000 h	0.91
Rated LLMF at 8,000 h	0.89
Rated LLMF at 12,000 h	0.84
Rated LLMF at 16,000 h	0.81
Rated LLMF at 20,000 h	0.79

— Dimensions & weight



Diameter	66.0 mm
Length	360.0 mm
Light center length (LCL)	240.0 mm
Product weight	300.00 g

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	0.98
Rated lamp survival factor at 8,000 h	0.95
Rated lamp survival factor at 12,000 h	0.87
Rated lamp survival factor at 16,000 h	0.74
Rated lamp survival factor at 20,000 h	0.50
Lifespan B50	20000 h
Lifespan B10	11000 h
Lifespan B5	8000 h

Additional product data

Base (standard designation)	E40
Product remark	ErP compliant according to EU Regulation 245/2009
Design / version	Clear
Mercury content	39.0 mg

Capabilities

Dimmable	Yes
Burning position	Any
Enclosed luminaire required	No

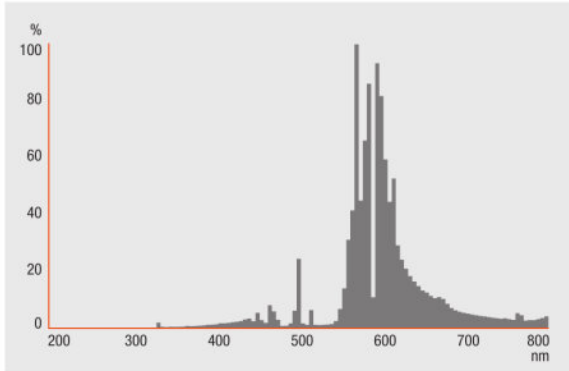
Certificates & standards

Energy efficiency class	A++
Energy consumption	1056 kWh/1000h

Country-specific categorizations

ILCOS	ST-1000-H/E/SL-E40-66/360
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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
4050300251417	NAV-T 1000 W E40	Shipping carton box 12	380 mm x 405 mm x 284 mm	43.71 dm ³	4477.00 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.

DISCLAIMER

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