PRODUCT DATASHEET
NAV-T 250 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
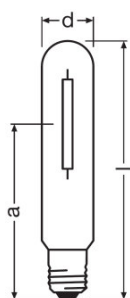
non EU

TECHNICAL DATA

Electrical data

Nominal wattage	250.00 W
Rated wattage	250.00 W
Lamp current	3.0 A
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	28000 lm
Color rendering index Ra	≤25
Color temperature	2000 K
Rated LLMF at 2,000 h	0.97
Rated LLMF at 4,000 h	0.96
Rated LLMF at 6,000 h	0.95
Rated LLMF at 8,000 h	0.94
Rated LLMF at 12,000 h	0.92
Rated LLMF at 16,000 h	0.91
Rated LLMF at 20,000 h	0.89
Luminous flux	28000 lm

Dimensions & weight

Diameter	47.0 mm
Length	257.0 mm
Light center length (LCL)	158.0 mm
Product weight	173.00 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 6,000 h	0.97
Rated lamp survival factor at 8,000 h	0.96
Rated lamp survival factor at 12,000 h	0.95
Rated lamp survival factor at 16,000 h	0.90
Rated lamp survival factor at 20,000 h	0.85
Lifespan B50	28000 h
Lifespan B10	16000 h
Lifespan B5	12000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
Product remark	Phased out in the EU as non ErP compliant according to EU directive 245/2009
Design / version	Clear
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	275 kWh/1000h

Country-specific categorizations

ILCOS	ST-250-H/E/SL-E40-47/257

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300015675	NAV-T 250 W E40	Shipping carton box 12	270 mm x 350 mm x 225 mm	21.26 dm³	2815.00 g
4050300864020	NAV-T 250 W E40	Shipping carton box 12	222 mm x 171 mm x 374 mm	14.20 dm³	2352.00 g
4058075036642	NAV-T 250 W E40	Shipping carton box 12	222 mm x 171 mm x 374 mm	14.20 dm³	2495.00 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.

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