

# PRODUCT DATASHEET

## NAV-T 250 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:  $\geq 80$  % 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

## TECHNICAL DATA

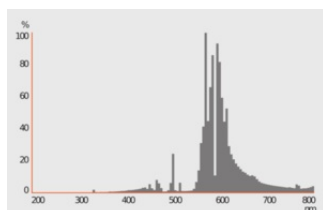
### Electrical data

Nominal wattage	250 W
Construction wattage	267.40 W
Nominal voltage	100 V
Ignition voltage	3.3/5.0 kVp <sup>1)</sup>
Nominal current	2.95 A
PFC capacitor at 50 Hz	32 µF

<sup>1)</sup> Minimum / Maximum

### Photometrical data

Luminous flux	33200 lm
Luminous efficacy	130 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
UV protection	No



### Dimensions & Weight

Overall length	257.00 mm
Length	257.00 mm
Light center length (LCL)	158,0 mm
Width (incl. round luminaires)	47.00 mm
Height (incl. round luminaires)	47.00 mm
Diameter	47.00 mm
Product weight	135.00 g

### Temperatures & operating conditions

Maximum permitted outer bulb temperature	400 °C
Maximum permitted base edge temperature	250 °C

### Lifespan

Nominal lamp life time	32000 h
Lifespan B10	24000 h
Lifespan B5	20000 h
Lifespan B50	36000 h

### Additional product data

Base (standard designation)	E40
Mercury content	21.6 mg
Design / version	Clear
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
System guarantee level	3 (2/5)

### Capabilities

Dimmable	Yes <sup>1)</sup>
Burning position	Any
Enclosed luminaire required	No

<sup>1)</sup> In combination with POWERTRONIC PTO

### Certificates & Standards

Energy efficiency class	E
Energy consumption	267.00 kWh/1000h

### Country-specific categorizations



ILCOS	ST-250-H/E/SL-E40-47/257
Order reference	NAV-T 250W SUPE

### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	HPS
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	E40

Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	SECOND
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle	SPHERE_360
LED light source replaces a fluorescent light source	not applicable
EPREL ID	546586
Model number	AC34378

## DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction High Intensity Discharge Lamp UI
	Declarations of conformity EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300024417	Sleeve 1	325 mm x 52 mm x 59 mm	196.00 g	1.00 dm <sup>3</sup>
4050300631783	Shipping box 12	241 mm x 324 mm x 200 mm	2588.00 g	15.62 dm <sup>3</sup>

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.ledvance.com/system-guarantee](http://www.ledvance.com/system-guarantee)

## DISCLAIMER

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