

# PRODUCT DATASHEET

## NAV-T 400 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

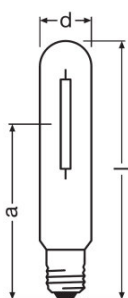
|                  |                             |
|------------------|-----------------------------|
| Nominal wattage  | 400.00 W                    |
| Rated wattage    | 400.00 W                    |
| Lamp current     | 4.52 A                      |
| Nominal voltage  | 100 V                       |
| Ignition voltage | 3.3 / 5.0 kVp <sup>1)</sup> |

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

Photometrical data

|  |          |
|--|----------|
| Rated lamp efficacy (standard condition) | 141 lm/W |
| Rated luminous flux                      | 56500 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     |
| Luminous flux                            | 56500 lm |

Dimensions & weight



|                           |          |
|---------------------------|----------|
| Diameter                  | 47.0 mm  |
| Length                    | 285.0 mm |
| Light center length (LCL) | 175.0 mm |
| Product weight            | 162.00 g |

## Temperatures &amp; 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                           | 36000 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  |

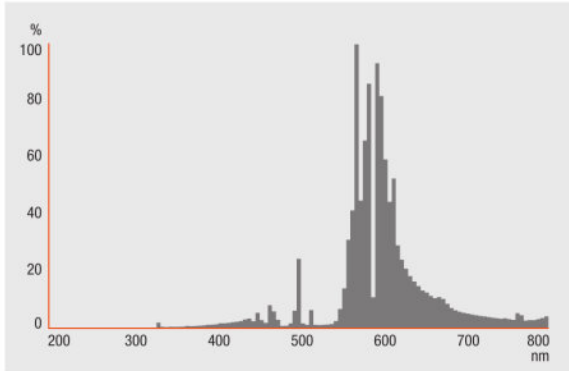
## Certificates &amp; standards

|                         |               |
|-------------------------|---------------|
| Energy efficiency class | A++           |
| Energy efficiency class | A++           |
| Energy consumption      | 440 kWh/1000h |

## Country-specific categorizations

|       |                          |
|-------|--------------------------|
| ILCOS | ST-400-H/E/SL-E40-47/285 |
|-------|--------------------------|

Light Distribution



Spectral power distribution

LOGISTICAL DATA

| Product code  | Product description  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|----------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4050300281179 | NAV-T 400 W SUPER 4Y | Shipping carton box 12       | 267 mm x 345 mm x 224 mm             | 20.63 dm <sup>3</sup> | 2694.00 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.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.