# PRODUCT DATASHEET
# NAV-T 150 W SUPER XT

## VIALOX NAV-T SUPER XT | 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
- Alternative to sodium twin arc lamps

### PRODUCT BENEFITS

- Very long lifetime
- Very high luminous efficacy
- Extended service time (lamp replacement cycle): 8 years (at approx. 11 h/day)
- Very good luminous flux maintenance throughout the life of the lamp
- Optimum energy efficiency on POWERTRONIC PTo 3DIM ECGs

### PRODUCT FEATURES

- Lamp survival rate: 95 % after 28,000 h burning time
- Very long average lifetime: up to 48,000 h
- Lamp maintenance factor: ≥ 80 % after 24,000 h burning time (according to DIN 13201)
- 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

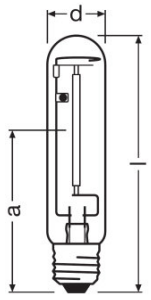
| | |
|---|---|
| **Rated wattage** | 152.00 W |
| **Lamp current** | 1.8 A |
| **Nominal wattage** | 150.00 W |
| **Nominal voltage** | 100 V |
| **Ignition voltage** | 3.3 / 5.0 kVp [1)] |

[1)] Minimum / Maximum

### Photometrical data

| | |
|---|---|
| **Rated lamp efficacy (standard condition)** | 118 lm/W |
| **Rated luminous flux** | 18000 lm |
| **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** | 18000 lm |
| **Color rendering index Ra** | ≤25 |

### Dimensions & weight




| | |
|---|---|
| **Diameter** | 47.0 mm |
| **Length** | 210.0 mm |
| **Light center length (LCL)** | 132.0 mm |
| **Product weight** | 130.00 g |


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## Temperatures & operating conditions

| | |
|---|---|
| **Maximum permitted outer bulb temperature** | 310 °C |
| **Maximum permitted base edge temperature** | 210 °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** | 0.99 |
| **Rated lamp survival factor at 8,000 h** | 0.99 |
| **Rated lamp survival factor at 12,000 h** | 0.99 |
| **Rated lamp survival factor at 16,000 h** | 0.99 |
| **Rated lamp survival factor at 20,000 h** | 0.99 |
| **Lifespan B5** | 28000 h |
| **Lifespan B50** | 48000 h |
| **Lifespan B10** | 34000 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** | 24.0 mg |

## Capabilities

| | |
|---|---|
| **Dimmable** | Yes [1)] |
| **Burning position** | Any |
| **Enclosed luminaire required** | No |

[1)] In combination with POWERTRONIC PTo

## Certificates & standards

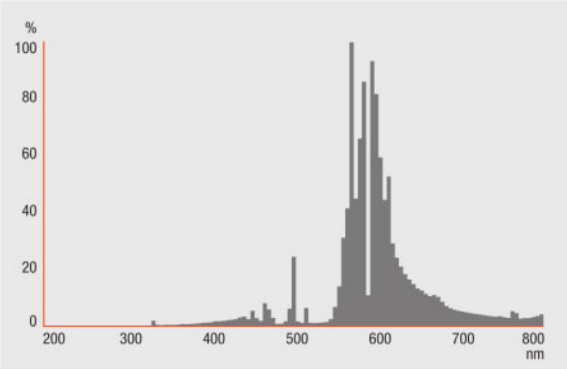
| | |
|---|---|
| **Energy efficiency class** | A+ |
| **Energy efficiency class** | A+ |
| **Energy consumption** | 168 kWh/1000h |

## Country-specific categorizations

| | |
|---|---|
| **ILCOS** | ST-150-H/E/SL-E40-47/210 |


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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 |
|---|---|---|---|---|---|
| 4058075803572 | NAV-T 150 W SUPER XT | Shipping carton box 12 | 216 mm x 166 mm x 272 mm | 9.75 $dm^3$ | 2004.00 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

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