# PRODUCT DATASHEET
# NAV-T 600 W SUPER 4Y

VIALOX® NAV®-T SUPER 4Y® 600 W | 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

- 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


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## Product features

- Lamp survival factor: 95 % after 16,000 h burning time
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- Dimmable on conventional control gears and electronic control gears


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# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 600 W |
| Nominal voltage | 110 V |
| Ignition voltage | 3.6/5.0 kVp [1)] |
| Nominal current | 6.06 A |
| PFC capacitor at 50 Hz | 65 µF |

1) Minimum / Maximum

## Photometrical data

| | |
|---|---|
| Luminous flux | 90000 lm |
| Luminous efficacy | 146 lm/W |
| Color temperature | 2000 K |
| Color rendering index Ra | ≤25 |
| Light color | 220 |
| 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 |
| UV protection | No |

## Dimensions & Weight

| | |
|---|---|
| Overall length | 285.00 mm |
| Length | 285.00 mm |
| Light center length (LCL) | 175,0 mm |
| Diameter | 47 mm |
| Product weight | 165.00 g |

## Temperatures & operating conditions

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

## Lifespan


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| | |
|---|---|
| Lifespan | 32000 h |
| Rated lamp survival factor at 2,000 h | 0.99 |
| Rated lamp survival factor at 4,000 | 0.99 |
| Rated lamp survival factor at 6,000 | 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 | 0.96 |
| Rated lamp survival factor at 20,000 h | 0.95 |
| Lifespan B10 | 24000 h |
| Lifespan B5 | 20000 h |
| Lifespan B50 | 32000 h |

## Additional product data

| | |
|---|---|
| Base (standard designation) | E40 |
| Mercury content | 21.6 mg |
| Design / version | Clear |
| Product remark | Not for general lighting / Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable |

## Capabilities

| | |
|---|---|
| Dimmable | Yes |
| Burning position | Any |
| Enclosed luminaire required | No |

## Certificates & Standards

| | |
|---|---|
| Energy consumption | 616.00 kWh/1000h |

## Country-specific categorizations

| | |
|---|---|
| ILCOS | ST-600-H/E/SL-E40-47/285 |
| Order reference | NAV-T 600W SUPE |

## DOWNLOAD DATA

| | Documents and certificates |
|---|---|
| PDF | User instruction |
| PDF | Declarations Of Conformity CE |


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| | Documents and certificates |
|---|---|
| PDF | Certificates |

| | Photometric and lighting design files |
|---|---|
| | Spectral power distribution |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4050300275772 | Sleeve<br>1 | 52 mm x 52 mm x 325 mm | 205.00 g | 0.88 $dm^3$ |
| 4050300199979 | Shipping box<br>12 | 266 mm x 216 mm x 342 mm | 2850.00 g | 19.65 $dm^3$ |

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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