

## PRODUCT DATASHEET

### NAV-T 1000 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)



## TECHNICAL DATA

### Electrical data

|                        |                                             |
|------------------------|---------------------------------------------|
| Nominal wattage        | 1000 W                                      |
| Nominal voltage        | 110 V                                       |
| Ignition voltage       | 3.6/5.0 kVp <sup>1)</sup>                   |
| Operating mode         | Conventional control gear (CCG) and ignitor |
| Nominal current        | 10700 mA                                    |
| PFC capacitor at 50 Hz | 100 µF                                      |

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

### Photometrical data

|                          |           |
|--------------------------|-----------|
| Luminous flux            | 130000 lm |
| Luminous efficacy        | 135 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    | 0.95      |
| Rated LLMF at 6,000 h    | 0.93      |
| Rated LLMF at 8,000 h    | 0.91      |
| Rated LLMF at 12,000 h   | 0.86      |
| Rated LLMF at 16,000 h   | 0.80      |
| Rated LLMF at 20,000 h   | 0.78      |
| UV protection            | No        |

### Dimensions & Weight

|                           |           |
|---------------------------|-----------|
| Overall length            | 352.00 mm |
| Length                    | 352.00 mm |
| Light center length (LCL) | 240,0 mm  |
| Diameter                  | 66.00 mm  |
| Product weight            | 304.8 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  | 0.95    |
| Rated lamp survival factor at 8,000 h  | 0.92    |
| Rated lamp survival factor at 12,000 h | 0.87    |
| Rated lamp survival factor at 16,000   | 0.74    |
| Rated lamp survival factor at 20,000 h | 0.50    |
| Lifespan B10                           | 11000 h |
| Lifespan B5                            | 8000 h  |
| Lifespan B50                           | 20000 h |

## Additional product data

|                             |                          |
|-----------------------------|--------------------------|
| Base (standard designation) | E40                      |
| Mercury content             | 39.1 mg                  |
| Design / version            | Clear                    |
| Product remark              | Not for general lighting |

## Capabilities

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

## Certificates & Standards

|                    |                   |
|--------------------|-------------------|
| Energy consumption | 1003.00 kWh/1000h |
|--------------------|-------------------|

## Country-specific categorizations

|                 |                           |
|-----------------|---------------------------|
| ILCOS           | ST-1000-H/E/SL-E40-66/360 |
| Order reference | NAV-T 1000W E40           |

## Safety advice

- Disconnect mains before installation.
- Must not be used if outer bulb is defective.

## DOWNLOAD DATA

| Documents and certificates                                                        |                                        | Document name                                                           |
|-----------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------|
|   | User instruction / safety instructions | High Intensity Discharge Lamp UI                                        |
|   | Declarations of conformity             | EC Declaration of Conformity - 2021 9C1-4082706-EN-00 - HPS 1000W       |
|   | Certificates                           | EAC RU C-DE.AYA46.B.85891 29.06.2018-28.06.2023 ROSTEST-Moskva - HPS    |
|   | Certificates                           | EAC N RU D-DE.MU62.B.00936_20 06.03.2020-05.03.2025 Prommash Test - HPS |
| Photometric and lighting design files                                             |                                        | Document name                                                           |
|  | Spectral power distribution            | 384084_NAV_SUPER_4Y                                                     |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4050300251417 | Sleeve<br>1                  | 69 mm x 69 mm x 380 mm               | 327.80 g     | 1.81 dm <sup>3</sup>  |
| 4050300615288 | Shipping box<br>12           | 350 mm x 280 mm x 400 mm             | 4354.60 g    | 39.20 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.

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