

PRODUCT DATASHEET

NAV-T 250 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 | 250 W |
| Nominal voltage | 100 V |
| Ignition voltage | 3.3/5.0 kVp ¹⁾ |
| Nominal current | 3 A |

¹⁾ Minimum / Maximum

Photometrical data

| | |
|------------------------------------|----------|
| Luminous flux | 28000 lm |
| Luminous efficacy | 112 lm/W |
| Color temperature | 2000 K |
| Color rendering index Ra | ≤25 |
| Light color | 220 |
| Rated LLMF at 2,000 h | 0.97 |
| Rated LLMF at 4,000 h | 0.96 |
| Rated LLMF at 6,000 h | 0.95 |
| Rated LLMF at 8,000 h | 0.94 |
| Rated LLMF at 12,000 h | 0.92 |
| Rated LLMF at 16,000 h | 0.91 |
| Rated LLMF at 20,000 h | 0.89 |
| Rated lamp efficacy (standard co.) | 112 lm/W |
| UV protection | No |

Dimensions & Weight

| | |
|---------------------------|-----------|
| Overall length | 257.00 mm |
| Length | 257.00 mm |
| Light center length (LCL) | 158,0 mm |
| Diameter | 47 mm |
| Product weight | 173.00 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 | 0.98 |
| Rated lamp survival factor at 8,000 h | 0.96 |
| Rated lamp survival factor at 12,000 h | 0.95 |
| Rated lamp survival factor at 16,000 | 0.90 |
| Rated lamp survival factor at 20,000 h | 0.85 |
| Lifespan B10 | 16000 h |
| Lifespan B5 | 12000 h |
| Lifespan B50 | 28000 h |
| Operation mode LLMF/LSF | 50 Hz |

Additional product data

| | |
|-----------------------------|--|
| Base (standard designation) | E40 |
| Mercury content | 19.9 mg |
| Mercury-free | No |
| Design / version | Clear |
| Product remark | Phased out in the EU as non ErP compliant according to EU directive 245/2009 |

Capabilities

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

¹⁾ In combination with POWERTRONIC PTO

Certificates & Standards

| | |
|-------------------------|------------------|
| Energy efficiency class | A+ |
| Energy consumption | 275.00 kWh/1000h |

Country-specific categorizations

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

Safety advice

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

DOWNLOAD DATA

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4050300864020 | Sleeve 1 | 51 mm x 51 mm x 325 mm | 202.00 g | 0.85 dm ³ |
| 4050300864037 | Shipping box 12 | 222 mm x 171 mm x 374 mm | 2352.00 g | 14.20 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.