

PRODUCT DATASHEET

NAV-T 50 W E27

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	50 W
Nominal voltage	85 V
Ignition voltage	1.8/5.0 kVp ¹⁾
Nominal current	0.77 A

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	3800 lm
Luminous efficacy	81 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.91
Rated LLMF at 4,000 h	0.89
Rated LLMF at 6,000 h	0.84
Rated LLMF at 8,000 h	0.83
Rated LLMF at 12,000 h	0.82
Rated LLMF at 16,000 h	0.81
Rated LLMF at 20,000 h	0.80
Rated lamp efficacy (standard co.)	76 lm/W
UV protection	No

Dimensions & Weight

Overall length	156.00 mm
Length	156.00 mm
Light center length (LCL)	104,0 mm
Diameter	36,0 mm
Maximum diameter	36 mm
Product weight	62.00 g

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	0.98
Rated lamp survival factor at 6,000 h	0.97
Rated lamp survival factor at 8,000 h	0.96
Rated lamp survival factor at 12,000 h	0.91
Rated lamp survival factor at 16,000	0.85
Rated lamp survival factor at 20,000 h	0.75
Lifespan B10	13000 h
Lifespan B5	9000 h
Lifespan B50	28000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E27
Mercury content	11.0 mg ¹⁾
Mercury-free	No
Design / version	Clear
Product remark	Phased out in the EU as non ErP compliant according to EU directive 245/2009

¹⁾ Maximum

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	55.00 kWh/1000h

Country-specific categorizations

ILCOS	ST-50-H/E/SL-E27-39/156
Order reference	NAV-T 50W E27

Safety advice

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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899430785	Sleeve 1	39 mm x 39 mm x 196 mm	70.00 g	0.30 dm ³
4052899430792	Shipping box 12	168 mm x 130 mm x 212 mm	996.00 g	4.63 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.