

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 ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor
Nominal current	10700 mA
PFC capacitor at 50 Hz	100 µF

¹⁾ 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
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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 1	69 mm x 69 mm x 380 mm	327.80 g	1.81 dm ³
4050300615288	Shipping box 12	350 mm x 280 mm x 400 mm	4354.60 g	39.20 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.