

# product\_datasheet\_title

## NAV-T 100 W SUPER 4Y

VIALOX® NAV®-T SUPER 4Y® 50...400 W | High-pressure sodium vapor lamps for open and enclosed luminaires



## technical\_data

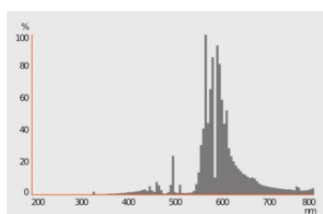
## ELECTRICAL DATA

Nominal wattage	100 W
Construction wattage	105.20 W
Nominal voltage	100 V
Ignition voltage	3.3/5.0 kVp <sup>1)</sup>
Operating mode	Conventional control gear (CCG) and ignitor, Electronic control gear (ECG)
Nominal current	1.2 A
PFC capacitor at 50 Hz	12 µF

1) Minimum / Maximum

## PHOTOMETRICAL DATA

Luminous flux	10300 lm
Luminous efficacy	98 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.94
Rated LLMF at 4,000 h	0.92
Rated LLMF at 6,000 h	0.90
Rated LLMF at 8,000 h	0.89
Rated LLMF at 12,000 h	0.88
Rated LLMF at 16,000 h	0.87
Rated LLMF at 20,000 h	0.86
UV protection	No



384084\_NAV\_SUPER\_4Y

## DIMENSIONS & WEIGHT

Overall length	211.00 mm
Light center length (LCL)	132,0 mm
Diameter	47 mm
Product weight	110.00 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	0.98
Rated lamp survival factor at 8,000 h	0.97
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	22000 h
Lifespan B5	20000 h
Lifespan B50	36000 h

## ADDITIONAL PRODUCT DATA

Base (standard designation)	E40
Mercury content	14.4 mg
Design / version	Clear
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable

## CAPABILITIES

Dimmable	yes <sup>1)</sup>
Burning position	Any
Enclosed luminaire required	No

<sup>1)</sup> In combination with POWERTRONIC PTo

## CERTIFICATES & STANDARDS

Energy efficiency class	F
-------------------------	---

Energy consumption	106.00 kWh/1000h
--------------------	------------------




### COUNTRY-SPECIFIC CATEGORIZATIONS


ILCOS	ST-100-H/E/SL-E40-47/210
Order reference	NAV-T 100W SUPE

### Energy labelling regulation data

Lighting technology used	HPS
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	E40
Connected light source (CLS)	no
Color-tuneable light source	no
Envelope	SECOND
High luminance light source	no
Anti-glare shield	no
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Length	211.00 mm
Height	47 mm
Width	47 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle correspondence	SPHERE_360
EPREL ID	546581
Model number	AC34373

### download\_data

	Documents and certificates	document_name
	Declarations Of Conformity CE	EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS
	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	dimensions	weight	volume
4050300015743	Sleeve 1	52 mm x 52 mm x 260 mm	121.00 g	0.70 dm <sup>3</sup>
4050300631806	Shipping box 12	216 mm x 166 mm x 272 mm	2262.00 g	9.75 dm <sup>3</sup>

logistical\_data\_text

### disclaimer\_title

disclaimer\_text