

# PRODUCT DATASHEET

## NAV-TS 400 W FC2

VIALOX® NAV®-TS | High-pressure sodium vapor lamps for open and enclosed luminaires



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### Areas of application

- Industrial installations
- Car parks, courtyards
- Buildings, monuments, bridges
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires

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### Product benefits

- High luminous efficacy

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### Product features

- Lamp survival factor: 95 % after 12,000 h burning time



**TECHNICAL DATA**

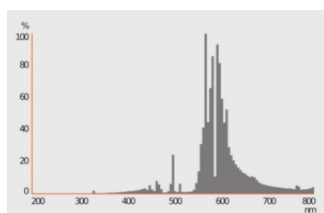
**Electrical data**

Nominal wattage	400 W
Construction wattage	400.00 W
Nominal voltage	105 V
Ignition voltage	4.0/5.0 kVp <sup>1)</sup>
Nominal current	4.45 A
PFC capacitor at 50 Hz	45 µF

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

**Photometrical data**

Luminous flux	49000 lm
Luminous efficacy	123 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	0.94
Rated LLMF at 8,000 h	0.93
Rated LLMF at 12,000 h	0.91
Rated LLMF at 16,000 h	0.90
Rated LLMF at 20,000 h	0.88
Rated lamp efficacy (standard co.)	123 lm/W
UV protection	No



**Dimensions & Weight**

Overall length	206.00 mm
Light center length (LCL)	103,0 mm
Diameter	23 mm
Product weight	62.00 g

### Temperatures & operating conditions

Maximum permitted outer bulb temperature	650 °C
Maximum permitted pinch temperature	250 °C

### Lifespan

Nominal lamp life time	24000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.98
Rated lamp survival factor at 6,000	0.97
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	0.75
Lifespan B10	16000 h
Lifespan B5	12000 h
Lifespan B50	24000 h
Operation mode LLMF/LSF	50 Hz

### Additional product data

Base (standard designation)	Fc2
Mercury content	23.1 mg
Design / version	Clear

### Capabilities

Dimmable	Yes <sup>1)</sup>
Burning position	p45
Enclosed luminaire required	No
Hot restart	Yes

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

### Certificates & Standards

Energy efficiency class	G
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Energy consumption	440.00 kWh/1000h
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### Country-specific categorizations

ILCOS	SD-400-H/E/SL-Fc2-23/206/H
Order reference	NAV-TS 400W FC2

### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	Fc2
Length	206.00 mm
Height	23 mm
Width	23 mm

### DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction High-Intensity-Discharge lamps. Operation instructions

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300015712	Sleeve 1	52 mm x 52 mm x 260 mm	88.00 g	0.70 dm <sup>3</sup>
4050300216829	Shipping box 12	242 mm x 291 mm x 266 mm	1517.00 g	18.73 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.

### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.