

# 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
- ErP compliant according to EU Regulation 245/2009



**TECHNICAL DATA**

Electrical data

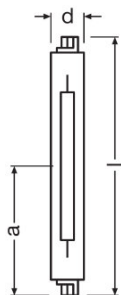
Nominal wattage	400.00 W
Rated wattage	400.00 W
Lamp current	4.45 A
Nominal voltage	105 V
Ignition voltage	4.0 / 5.0 kVp <sup>1)</sup>

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

Photometrical data

Rated lamp efficacy (standard condition)	123 lm/W
Rated luminous flux	49000 lm
Color rendering index Ra	≤25
Color temperature	2000 K
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

— Dimensions & weight



Diameter	23.0 mm
Length	206.0 mm
Light center length (LCL)	103.0 mm
Product weight	70.00 g

Temperatures & operating conditions

<b>Maximum permitted outer bulb temperature</b>	650 °C
<b>Maximum permitted pinch temperature</b>	250 °C

### Lifespan

<b>Rated lamp survival factor at 2,000 h</b>	0.99
<b>Rated lamp survival factor at 4,000 h</b>	0.98
<b>Rated lamp survival factor at 6,000 h</b>	0.97
<b>Rated lamp survival factor at 8,000 h</b>	0.96
<b>Rated lamp survival factor at 12,000 h</b>	0.95
<b>Rated lamp survival factor at 16,000 h</b>	0.90
<b>Rated lamp survival factor at 20,000 h</b>	0.75
<b>Lifespan B50</b>	24000 h
<b>Lifespan B10</b>	16000 h
<b>Lifespan B5</b>	12000 h

### Additional product data

<b>Base (standard designation)</b>	Fc2
<b>Design / version</b>	Clear
<b>Mercury content</b>	21.0 mg

### Capabilities

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

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

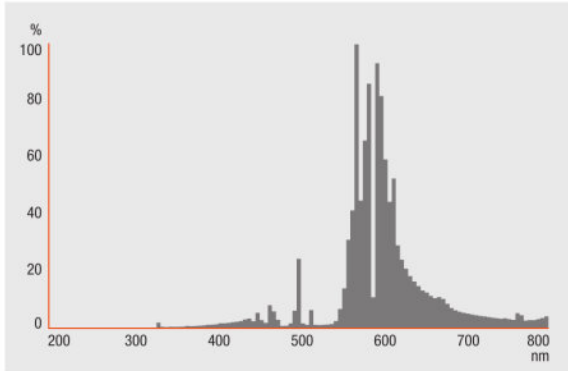
### Certificates & standards

<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	440 kWh/1000h

### Country-specific categorizations

<b>ILCOS</b>	SD-400-H/E/SL-Fc2-23/206/H
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Light Distribution



Spectral power distribution

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300015712	NAV-TS 400 W FC2	Shipping carton box 12	242 mm x 291 mm x 266 mm	18.73 dm <sup>3</sup>	1517.00 g

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.