

PRODUCT DATASHEET

NAV-TS 250 W FC2

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



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

PRODUCT BENEFITS

- High luminous efficacy

PRODUCT FEATURES

- Lamp survival factor: 95 % after 12,000 h burning time
- ErP compliant according to EU Regulation 245/2009



TECHNICAL DATA

Electrical data

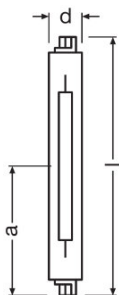
Nominal wattage	250.00 W
Rated wattage	250.00 W
Lamp current	3.0 A
Nominal voltage	100 V
Ignition voltage	4.0 / 5.0 kVp ¹⁾

¹⁾ Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	112 lm/W
Rated luminous flux	28000 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	55.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	650 °C
Maximum permitted pinch 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	0.97
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 h	0.90
Rated lamp survival factor at 20,000 h	0.75
Lifespan B50	24000 h
Lifespan B10	16000 h
Lifespan B5	12000 h

Additional product data

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

Capabilities

Dimmable	Yes ¹⁾
Burning position	p45
Enclosed luminaire required	No
Hot restart	Yes

¹⁾ In combination with POWERTRONIC PTo

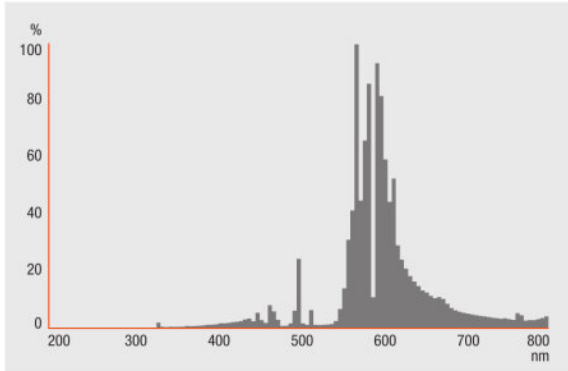
Certificates & standards

Energy efficiency class	A+
Energy consumption	275 kWh/1000h

Country-specific categorizations

ILCOS	SD-250-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
4050300015705	NAV-TS 250 W FC2	Shipping carton box 12	284 mm x 288 mm x 220 mm	17.99 dm ³	1337.00 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.