

Product datasheet

NAV-TS 400 W FC2

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



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

- High luminous efficacy



Product datasheet

Technical data

Electrical data

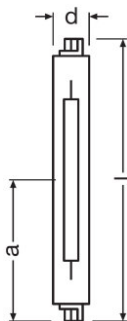
Nominal wattage	400.00 W
Rated wattage	400.00 W
Lamp current	4.45 A
Nominal voltage	105 V
Ignition voltage	4.0 kVp;5.0 kVp ¹⁾
Nominal current	4.45 A

¹⁾ 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
Nominal luminous flux	49000 lm
Rated color temperature	2000 K
Luminous flux	49000 lm

Dimensions & weight



Diameter	23.0 mm
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Length	206.0 mm
Light center length (LCL)	103.0 mm
Product weight	62.00 g
Outer bulb	T23
Overall length	206.0 mm

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
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	Fc2
Design / version	clear
Mercury content	23.1 mg
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

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+
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Energy consumption	440 kWh/1000h
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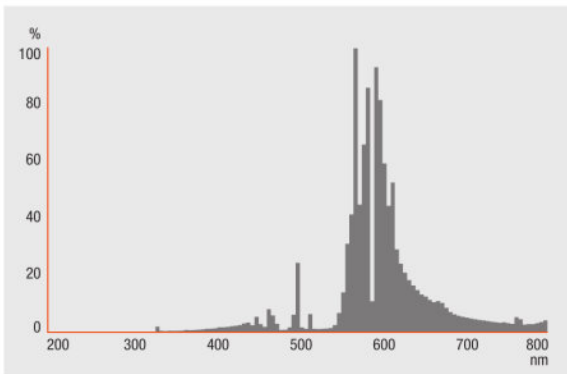
Country specific categorizations

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

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	08-07-2022
Primary Article Identifier	4050300015712
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Light Distribution



NAV_SUPER_4Y_SUPER_6Y

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Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

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 Pieces Sleeves	270 mm x 220 mm x 290 mm	17.23 dm ³	1600.00 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.

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