

PRODUCT DATASHEET

NAV-TS 70 W SUPER 4Y

VIALOX NAV-TS SUPER 4Y | 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

- Long lifetime
- Very high luminous efficacy
- Very good luminous flux maintenance throughout the life of the lamp
- Optimum energy efficiency on POWERTRONIC PTo 3DIM ECGs

PRODUCT FEATURES

- Lamp survival factor: 95 % after 16,000 h burning time
- ErP compliant according to EU Regulation 245/2009
- Dimmable on conventional control gears and electronic control gears



TECHNICAL DATA

Electrical data

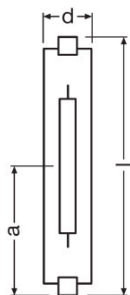
Nominal wattage	70.00 W
Rated wattage	70.00 W
Lamp current	0.98 A
Nominal voltage	85 V
Ignition voltage	4.0 / 5.0 kVp ¹⁾

¹⁾ Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	94 lm/W
Rated luminous flux	6600 lm
Color rendering index Ra	≤25
Color temperature	2000 K
Rated LLMF at 2,000 h	0.94
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.88
Rated LLMF at 8,000 h	0.86
Rated LLMF at 12,000 h	0.83
Rated LLMF at 16,000 h	0.81
Rated LLMF at 20,000 h	0.80

— Dimensions & weight



Diameter	20.0 mm
Length	120.0 mm
Light center length (LCL)	60.0 mm
Product weight	20.80 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	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.96
Rated lamp survival factor at 16,000 h	0.95
Rated lamp survival factor at 20,000 h	0.90
Lifespan B50	28000 h
Lifespan B10	20000 h
Lifespan B5	16000 h

Additional product data

Base (standard designation)	RX7s
Design / version	Clear
Mercury content	18.0 mg ¹⁾

¹⁾ Maximum

Capabilities

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

¹⁾ In combination with POWERTRONIC PTO

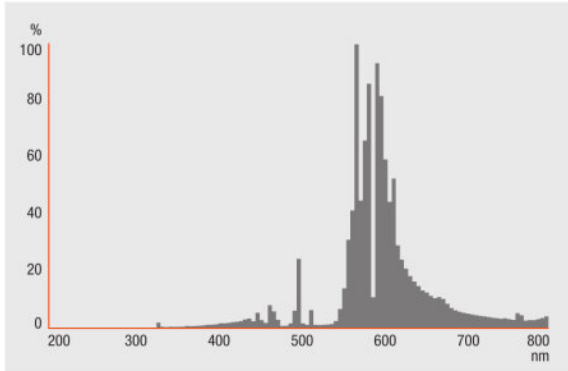
Certificates & standards

Energy efficiency class	A+
Energy consumption	77 kWh/1000h

Country-specific categorizations

ILCOS	SD-70-H/E/SL-RX7s-20/120/H
--------------	----------------------------

Light Distribution



Spectral power distribution

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300024301	NAV-TS 70 W SUPER 4Y	Shipping carton box 12	174 mm x 157 mm x 139 mm	3.80 dm ³	525.00 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.