

PRODUCT FAMILY DATASHEET

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

Product description	Electrical data					Photometrical data					
	Rated wattage	Lamp current	Nominal wattage	Nominal voltage	Ignition voltage	Rated lamp efficacy (standard condition)	Rated luminous flux	Color temperature	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h
NAV-TS 70 W SUPER 4Y	70.00 W	0.98 A	70.00 W	85 V	4.0 / 5.0 kVp ¹⁾	94 lm/W	6600 lm	2000 K	0.94	0.90	0.88
NAV-TS 150 W SUPER 4Y	150.00 W	1.8 A	150.00 W	97 V	4.0 / 5.0 kVp ¹⁾	100 lm/W	15000 lm	2000 K	0.98	0.95	0.92

Product description	Rated LLMF at 8,000 h	Rated LLMF at 12,000 h	Rated LLMF at 16,000 h	Rated LLMF at 20,000 h	Luminous flux	Color rendering index Ra	Dimensions & weight				Temperatures & operating conditions		Lifespan
							Diameter	Length	Light center length (LCL)	Product weight	Max. permitted outer bulb temperature	Max. permitted pinch temp.	Rated lamp survival factor at 2,000 h
NAV-TS 70 W SUPER 4Y	0.86	0.83	0.81	0.80	6600 lm	≤25	20.0 mm	120.0 mm	60.0 mm	18.00 g	650 °C	250 °C	0.99
NAV-TS 150 W SUPER 4Y	0.91	0.89	0.87	0.85	15000 lm	≤25	23.0 mm	138.0 mm	69.0 mm	30.00 g	650 °C	250 °C	0.99

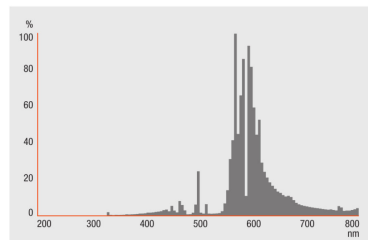
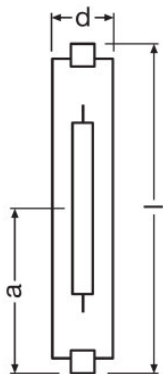
Product description	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h	Rated lamp survival factor at 12,000 h	Rated lamp survival factor at 16,000 h	Rated lamp survival factor at 20,000 h	Lifespan B50	Lifespan B10	Lifespan B5	Operation mode LLMF/LSF	Additional product data	
											Base (standard designation)	Design / version
NAV-TS 70 W SUPER 4Y	0.98	0.98	0.97	0.96	0.95	0.90	28000 h	20000 h	16000 h	50 Hz	RX7s	clear
NAV-TS 150 W SUPER 4Y	0.98	0.98	0.97	0.96	0.95	0.90	28000 h	20000 h	16000 h		RX7s-24	clear

Product description	Mercury content	Capabilities				Certificates & standards	Country-specific categorizations
		Dimmable	Burning position	Enclosed luminaire required	Hot restart	Energy consumption	ILCOS
NAV-TS 70 W SUPER 4Y	17.6 mg ²⁾	Yes ³⁾	p45	No	Yes	77 kWh/1000h	SD-70-H/E/SL-RX7s-20/120/H
NAV-TS 150 W SUPER 4Y	23.0 mg ²⁾	Yes ³⁾	p45	No	Yes	165 kWh/1000h	SD-150-H/E/SL-RX7s24-23/138/H

¹⁾ Minimum

2) Maximum

3) In combination with POWERTRONIC PTo



NAV-TS 70 W SUPER 4Y, NAV-TS 150 W SUPER 4Y

NAV-TS 70 W SUPER 4Y, NAV-TS 150 W SUPER 4Y

APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300249865	Shipping carton box 12	174 mm x 157 mm x 139 mm	525.00 g	3.80 dm ³
4050300281674	Shipping carton box 12	183 mm x 178 mm x 144 mm	698.00 g	4.69 dm ³

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.