

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

- 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
- Dimmable on conventional control gears and electronic control gears



TECHNICAL DATA

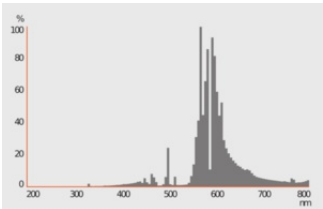
Electrical data

Nominal wattage	70 W
Construction wattage	70.00 W
Nominal voltage	85 V
Ignition voltage	4.0/5.0 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor, Electronic control gear (ECG)
Nominal current	0.98 A
PFC capacitor at 50 Hz	12 µF

1) Minimum / Maximum

Photometrical data

Luminous flux	6600 lm
Luminous efficacy	94 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
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
Rated lamp efficacy (standard co.)	94 lm/W
UV protection	No



384084_NAV_SUPER_4Y

Dimensions & Weight

Overall length	120.00 mm
Light center length (LCL)	60,0 mm
Diameter	20,0 mm
Product weight	18.00 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	0.98
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	0.95
Rated lamp survival factor at 20,000 h	0.90
Lifespan B10	20000 h
Lifespan B5	16000 h
Lifespan B50	28000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	RX7s
Mercury content	17.6 mg
Design / version	Clear

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	F
Energy consumption	77.00 kWh/1000h



Country-specific categorizations

ILCOS	SD-70-H/E/SL-RX7s-20/120/H
Order reference	NAV-TS 70W SUPE

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	HPS
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	RX7s
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	SECOND
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Length	120.00 mm
Height	20,0 mm
Width	20,0 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle correspondence	SPHERE_360
EPREL ID	1314155
Model number	AM18163

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	High-Intensity-Discharge lamps. Operation instructions
Photometric and lighting design files		Document name
	Spectral power distribution	384084_NAV_SUPER_4Y

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300024301	Folding box 1	42 mm x 42 mm x 142 mm	36.80 g	0.25 dm ³
4050300249865	Shipping box 12	180 mm x 140 mm x 158 mm	525.00 g	3.98 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.