PRODUCT DATASHEET
NAV-E 70 W/I E27

VIALOX® NAV®-E/I | High-pressure sodium vapor lamps with internal igniter



Areas of application

- Streets
- Outdoor lighting
- Industrial installations
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- High luminous efficacy

Product features

- Service lifetime: 3 years (at approx. 11 h/day)





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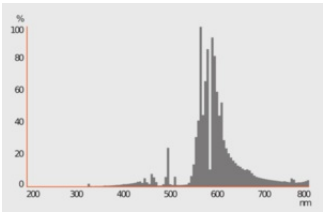
TECHNICAL DATA

Electrical data

Nominal wattage	70 W
Construction wattage	74.60 W
Nominal voltage	90 V
Ignition voltage	0.198 kVp
Operating mode	Conventional control gear (CCG) without ignitor, Electronic control gear (ECG)
Nominal current	0.98 A
PFC capacitor at 50 Hz	12 µF

Photometrical data

Luminous flux	5900 lm
Luminous efficacy	79 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.86
Rated LLMF at 6,000 h	0.83
Rated LLMF at 8,000 h	0.82
Rated LLMF at 12,000 h	0.81
Rated LLMF at 16,000 h	0.81
Rated LLMF at 20,000 h	0.80
UV protection	No



384084_NAV_SUPER_4Y

Dimensions & Weight

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Overall length	155.00 mm
Diameter	71 mm
Product weight	50.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	310 °C
Maximum permitted base edge temperature	210 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.98
Rated lamp survival factor at 4,000 h	0.97
Rated lamp survival factor at 6,000 h	0.97
Rated lamp survival factor at 8,000 h	0.60
Rated lamp survival factor at 12,000 h	0.95
Rated lamp survival factor at 16,000	0.85
Rated lamp survival factor at 20,000 h	0.70
Lifespan B10	14000 h
Lifespan B5	12000 h
Lifespan B50	24000 h

Additional product data

Base (standard designation)	E27
Mercury content	10.8 mg
Design / version	Coated
Product remark	Operate only with NAV control gear. No igniter required

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

Certificates & Standards

Energy efficiency class	G
Energy consumption	75.00 kWh/1000h

Country-specific categorizations

ILCOS	SE-70-H/I/S-E27-71/156
Order reference	NAV-E 70W/I E27

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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)	E27
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	155.00 mm
Height	71 mm
Width	71 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle correspondence	SPHERE_360
EPREL ID	546572
Model number	AC34364,AC34364

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User Instruction / Safety Instructions	High Intensity Discharge Lamp UI
PDF	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS
PDF	Certificates	EAC RU C-DE.AYA46.B.85891 29.06.2018-28.06.2023 ROSTEST-Moskva - HPS
PDF	Certificates	EAC N RU D-DE.MU62.B.00936_20 06.03.2020-05.03.2025 Prommash Test - HPS

	Photometric and lighting design files	Document name
	Spectral power distribution	384084_NAV_SUPER_4Y

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300015590	Round wrap 1	75 mm x 75 mm x 165 mm	83.00 g	0.93 dm^3
4050300221250	Shipping box 24	360 mm x 285 mm x 355 mm	2039.00 g	36.42 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.

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