PRODUCT DATASHEET
NAV-E 50 W/E E27

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



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)





© 2023, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

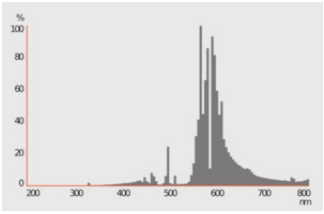
Electrical data

Nominal wattage	50 W
Construction wattage	53.60 W
Nominal voltage	85 V
Ignition voltage	1.8/5.0 kVp [1)]
Nominal current	0.77 A
PFC capacitor at 50 Hz	10 µF

1) Minimum / Maximum

Photometrical data

Luminous flux	3700 lm
Luminous efficacy	69 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.91
Rated LLMF at 4,000 h	0.89
Rated LLMF at 6,000 h	0.84
Rated LLMF at 8,000 h	0.83
Rated LLMF at 12,000 h	0.82
Rated LLMF at 16,000 h	0.81
Rated LLMF at 20,000 h	0.80
UV protection	No



Dimensions & Weight

Overall length	155.00 mm

© 2023, LEDVANCE GmbH. All rights reserved.

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

Lifespan	24000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.98
Rated lamp survival factor at 6,000	0.97
Rated lamp survival factor at 8,000 h	0.96
Rated lamp survival factor at 12,000 h	0.91
Rated lamp survival factor at 16,000	0.85
Rated lamp survival factor at 20,000 h	0.75
Lifespan B10	13000 h
Lifespan B5	9000 h
Lifespan B50	28000 h

Additional product data

Base (standard designation)	E27
Mercury content	10.8 mg
Design / version	Coated

Capabilities

Dimmable	Yes [1)]
Burning position	Any
Enclosed luminaire required	No

1) In combination with POWERTRONIC PTo

Certificates & Standards

Energy efficiency class	G
Energy consumption	54.00 kWh/1000h

Country-specific categorizations

ILCOS	SE-50-H/E/SL-E27-71/156

© 2023, LEDVANCE GmbH. All rights reserved.

Order reference	NAV-E 50W/E E27

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	546569
Model number	AC34361

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Certificates
PDF	Certificates
PDF	Declarations Of Conformity CE

LOGISTICAL DATA

© 2023, LEDVANCE GmbH. All rights reserved.

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300015750	Round wrap 1	75 mm x 75 mm x 165 mm	80.00 g	0.93 dm^3
4050300334424	Shipping box 24	360 mm x 356 mm x 288 mm	1967.00 g	36.91 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.

© 2023, LEDVANCE GmbH. All rights reserved.