

# PRODUCT DATASHEET NAV-E 50 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)





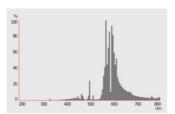
## **TECHNICAL DATA**

## Electrical data

Nominal wattage	50 W
Construction wattage	53.60 W
Nominal voltage	85 V
Ignition voltage	0.198 kVp
Nominal current	0.77 A
PFC capacitor at 50 Hz	10 μF

## 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	0.89
Rated LLMF at 4,000 h	0.85
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	0.79
Rated LLMF at 20,000 h	0.72
UV protection	No



# Dimensions & Weight

Overall length	155.00 mm
Diameter	71 mm

Product weight	50.00 g
emperatures & operating conditions	
Maximum permitted outer bulb temperature	310 °C
Maximum permitted base edge temperature	210 °C
ifespan	
Lifespan	24000 h
Rated lamp survival factor at 2,000 h	0.98
Rated lamp survival factor at 4,000	0.97
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	0.90
Rated lamp survival factor at 16,000	0.83
Rated lamp survival factor at 20,000 h	0.70
Lifespan B10	12000 h
Lifespan B5	9000 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	54.00 kWh/1000h
Country-specific categorizations	
ILCOS	SE-50-H/I/S-E27-71/156

# 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	546570
Model number	AC34362

## **DOWNLOAD DATA**

	Documents and certificates
POF	User instruction
POF	Declarations Of Conformity CE
POF	Certificates
	Photometric and lighting design files
	Spectral power distribution

# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300015583	Round wrap 1	75 mm x 75 mm x 165 mm	83.00 g	0.93 dm <sup>3</sup>
4050300222547	Shipping box 24	360 mm x 285 mm x 355 mm	2423.00 g	36.42 dm <sup>3</sup>

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.