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)
– Average lifetime: up to 24,000 h
– ErP compliant according to EU Regulation 245/2009

TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Rated wattage	50.00 W
Lamp current	0.77 A
Nominal voltage	85 V
Ignition voltage	0.198 kVp

Photometrical data

Rated lamp efficacy (standard condition)	72 lm/W
Rated luminous flux	3600 lm
Color rendering index Ra	≤25
Color temperature	2000 K
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	0.76
Luminous flux	3600 lm

Dimensions & weight
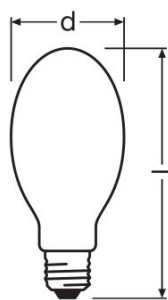
Diameter	71.0 mm
Length	156.0 mm
Product weight	71.00 g

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	0.96
Rated lamp survival factor at 12,000 h	0.90
Rated lamp survival factor at 16,000 h	0.83
Rated lamp survival factor at 20,000 h	0.70
Lifespan B50	24000 h
Lifespan B10	12000 h
Lifespan B5	9000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E27
Product remark	Operate only with NAV control gear. No igniter required/ErP compliant according to EU Regulation 245/2009
Design / version	Coated
Mercury content	11.0 mg [1]

— [1] Maximum

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

Certificates & standards

Energy efficiency class	A
Energy efficiency class	A
Energy consumption	55 kWh/1000h

Country-specific categorizations

ILCOS	SE-50-H/I/S-E27-71/156

Light Distribution
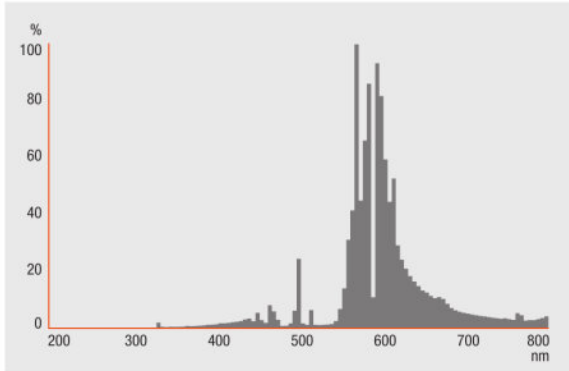
Spectral power distribution

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300015583	NAV-E 50 W/I E27	Shipping carton box 24	360 mm x 355 mm x 285 mm	36.42 dm³	2039.00 g

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.