

# Product datasheet

## NAV-E 100 W SUPER 4Y

**VIALOX NAV-E SUPER 4Y | High-pressure sodium vapor lamps for open and enclosed luminaires**



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

- Long lifetime Very high luminous efficacy Very good luminous flux maintenance throughout the life of the lamp Energy savings of up to 50 % when replacing mercury vapor lamps (HQL) Optimum energy efficiency on POWERTRONIC PTo 3DIM ECGs



Technical data

Electrical data

Ignition voltage	3.3/5.0 kVp
Nominal current	1.2 A A

Photometrical data

Rated LLMF at 2,000 h	0.94
Rated LLMF at 4,000 h	0.92
Rated LLMF at 6,000 h	0.9
Rated LLMF at 8,000 h	0.89
Rated LLMF at 12,000 h	0.88
Rated LLMF at 16,000 h	0.86
Rated LLMF at 20,000 h	0.85
Luminous flux	10100 lm

Dimensions & weight

Product weight	80.00 g
Overall length	180.00 mm

Temperatures & operating conditions

Maximum permitted base edge temperature	210 °C
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Lifespan

Lifespan B50	36000 h
Lifespan B10	20000 h
Lifespan B5	16000 h

Additional product data

Product datasheet

Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
Design / version	Coated
Mercury content	14.4 mg
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

Capabilities

Burning position	Any
Enclosed luminaire required	No

Certificates & standards

Energy efficiency class	F
Energy consumption	104.00 kWh/1000h

Country specific categorizations

ILCOS	SE-100-H/E/SL-E40-76/183
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4050300015774
Declaration No. in SCIP database	In work

Light Distribution

NAV\_SUPER\_4Y\_SUPER\_6Y

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300015774	NAV-E 100 W SUPER 4Y	Shipping carton box 12 Pieces Round wrap	380 mm x 300 mm x 203 mm	23.14 dm <sup>3</sup>	1857.00 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.

References / Links

For more information on the system guarantee and the terms and conditions of the guarantee visit <https://www.inventronics-light.com/multilevel-guarantees>

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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