

PRODUCT DATASHEET NAV-T 70 W SUPER 4Y

VIALOX NAV-T SUPER 4Y | 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

- 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

PRODUCT FEATURES

- Lamp survival factor: 95 % after 16,000 h burning time
- Average lifetime: up to 36,000 h
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- ErP compliant according to EU Regulation 245/2009
- Dimmable on conventional control gears and electronic control gears



TECHNICAL DATA

Electrical data

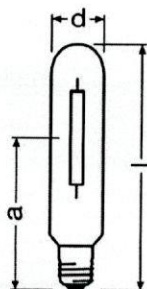
Rated wattage	71.00 W
Lamp current	1.0 A
Nominal wattage	70.00 W
Nominal voltage	90 V
Ignition voltage	1.8 / 5.0 kVp ¹⁾

¹⁾ Minimum / Maximum

Photometrical data

Rated luminous flux	6600 lm
Color temperature	2000 K
Luminous flux	6600 lm
Color rendering index Ra	≤25

Dimensions & weight



Diameter	36.0 mm
Length	156.0 mm
Light center length (LCL)	104.0 mm
Product weight	55.70 g

Temperatures & operating conditions

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

Lifespan

Lifespan B50	30000 h
Lifespan B10	20000 h
Lifespan B5	16000 h



Additional product data

Base (standard designation)	E27
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
Design / version	Clear
System guarantee level	3 (2/5)
Mercury content	19.0 mg ¹⁾

¹⁾ Maximum

Capabilities

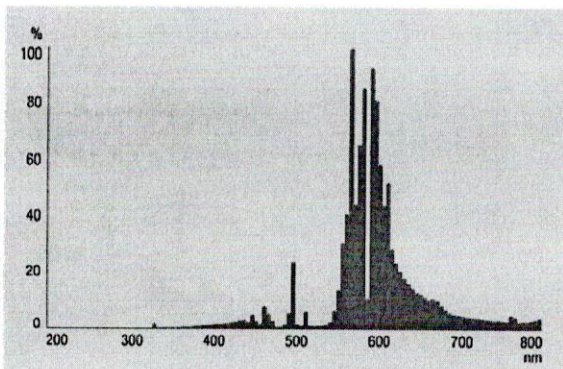
Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTo

Country-specific categorizations

ILCOS	ST-70-H/E/SL-E27-39/156
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Light Distribution



Spectral power distribution

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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PRODUCT DATASHEET SIG 1543 LL

High-voltage krypton longlife lamps, road traffic



AREAS OF APPLICATION

- Road traffic signalling systems

PRODUCT BENEFITS

- Increased lifetime compared to existing high-voltage krypton signal lamps
- Fits existing high-voltage signal installations without upgrades or adjustments
- Max. premature failure rate: 2 % up to 6,000 h (related to lamp failures only)

PRODUCT FEATURES

- Long average lamp lifetime: 14,000 h
- Maintenance intervals up to one year possible (depending on installation)



TECHNICAL DATA

Electrical data

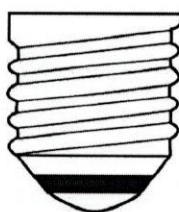
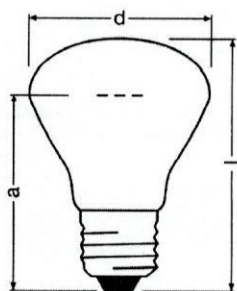
Nominal wattage	75.00 W
Nominal voltage	235 V
Test voltage	235 V



Photometrical data

Nominal luminous flux	520 lm
Color temperature	2700 K
Luminous flux	520 lm
Color rendering index Ra	100

Dimensions & weight



E27
IEC 7004-21

Diameter	62.0 mm
Overall length	91.0 mm
Light center length (LCL)	69.0 mm ¹⁾

¹⁾ Distance from the coil to the top of base

Additional product data

Base (standard designation)	E27
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Capabilities

Burning position	s105 ¹⁾
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¹⁾ Only the permissible burning position may be used otherwise the lamp will fail prematurely

Certificates & standards

Energy efficiency class	E
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Country-specific categorizations

Order reference	SIG 1543 LL CL
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PRODUCT DATASHEET NAV-T 250 W SUPER 4Y

VIALOX NAV-T SUPER 4Y | 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

- 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

PRODUCT FEATURES

- Lamp survival factor: 95 % after 16,000 h burning time
- Average lifetime: up to 36,000 h
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- ErP compliant according to EU Regulation 245/2009
- Dimmable on conventional control gears and electronic control gears



TECHNICAL DATA

Electrical data

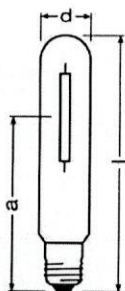
Rated wattage	255.00 W
Lamp current	2.95 A
Nominal wattage	250.00 W
Nominal voltage	100 V
Ignition voltage	3.3 / 5.0 kVp ¹⁾

¹⁾ Minimum / Maximum

Photometrical data

Rated luminous flux	33200 lm
Color temperature	2000 K
Luminous flux	33200 lm
Color rendering index Ra	≤25

Dimensions & weight



Diameter	47.0 mm
Length	257.0 mm
Light center length (LCL)	158.0 mm
Product weight	165.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	400 °C
Maximum permitted base edge temperature	250 °C

Lifespan

Lifespan B50	36000 h
Lifespan B10	24000 h
Lifespan B5	20000 h

Additional product data

Base (standard designation)	E40
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
Design / version	Clear
System guarantee level	3 (2/5)
Mercury content	21.0 mg

Capabilities

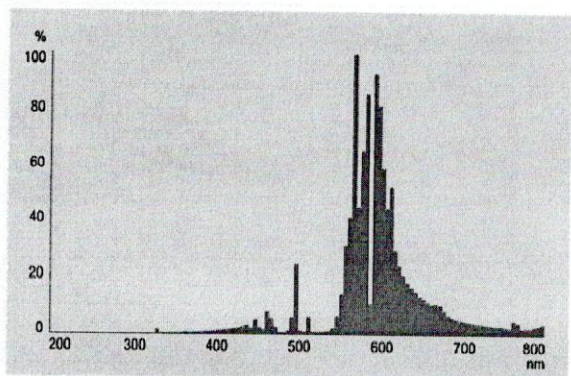
Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTo

Country-specific categorizations

ILCOS	ST-250-H/E/SL-E40-47/257
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Light Distribution



Spectral power distribution

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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PANLIGHT®



Натриевая лампа 400W E40

Натриевые лампы

Характеристики

Модель HPS 400/T46/E40

Код продукта 89493

Цвет Тёплый

Цоколь E40

Мощность 400W

Напряжение AC 220-240V

Частота 50-60Hz

Подключение Через дроссель



PANLIGHT®



Лампа накаливания 60W

Лампы накаливания

Характеристики

Модель 60W/240V/E27

Код продукта 31608

Цвет Тёплый

Цоколь E27

Мощность 60W

Напряжение АС 220-240V

Частота 50-60Hz



PRODUCT DATASHEET SIG 1546 LL

High-voltage krypton longlife lamps, road traffic



AREAS OF APPLICATION

- Road traffic signalling systems

PRODUCT BENEFITS

- Increased lifetime compared to existing high-voltage krypton signal lamps
- Fits existing high-voltage signal installations without upgrades or adjustments
- Max. premature failure rate: 2 % up to 6,000 h (related to lamp failures only)

PRODUCT FEATURES

- Long average lamp lifetime: 14,000 h
- Maintenance intervals up to one year possible (depending on installation)



TECHNICAL DATA

Electrical data

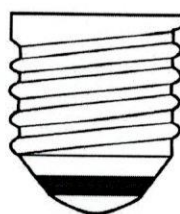
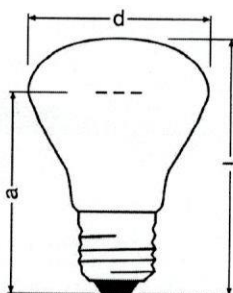
Nominal wattage	100.00 W
Nominal voltage	235 V
Test voltage	235 V



Photometrical data

Nominal luminous flux	740 lm
Color temperature	2700 K
Luminous flux	740 lm
Color rendering index Ra	100

Dimensions & weight



E27
IEC 7004-21

Diameter	62.0 mm
Overall length	101.0 mm
Light center length (LCL)	79.0 mm ¹⁾

¹⁾ Distance from the coil to the top of base

Additional product data

Base (standard designation)	E27
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Capabilities

Burning position	≤105 ¹⁾
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¹⁾ Only the permissible burning position may be used otherwise the lamp will fail prematurely

Certificates & standards

Energy efficiency class	E
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Country-specific categorizations

Order reference	SIG 1546 LL CL
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PANLIGHT®



Ртутная лампа 125W Ртутные лампы ДРЛ

Характеристики

Модель	DRL 125 E75/E27
Код продукта	0001
Цвет	Белый
Цоколь	E27
Мощность	250W
Напряжение	AC 220-240V
Частота	50-60Hz
Подключение	Через дроссель



PANLIGHT®



Ртутная лампа 250W

Ртутные лампы ДРЛ

Характеристики

Модель	DRL 250 E90/E40
Код продукта	97899
Цвет	Белый
Цоколь	E40
Мощность	250W
Напряжение	AC 220-240V
Частота	50-60Hz
Подключение	Через дроссель



PANLIGHT®



Ртутная лампа 400W Ртутные лампы ДРЛ

Характеристики

Модель	DRL 400 E120/E40
Код продукта	97900
Цвет	Белый
Цоколь	E40
Мощность	400W
Напряжение	АС 220-240V
Частота	50-60Hz
Подключение	Через дроссель



PANLIGHT®



Ртутная лампа 160W

Ртутные лампы ДРЛ

Характеристики

Модель DRL (con.dir.) 160 E75/E27

Код продукта 97901

Цвет Белый

Цоколь E27

Мощность 160W

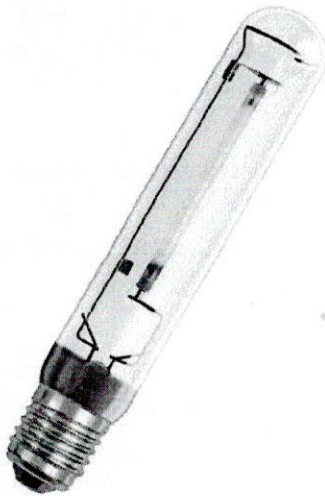
Напряжение AC 220-240V

Частота 50-60Hz



PRODUCT DATASHEET NAV-T 100 W SUPER 4Y

VIALOX NAV-T SUPER 4Y | 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

- 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 PT α 3DIM ECGs

PRODUCT FEATURES

- Lamp survival factor: 95 % after 16,000 h burning time
- Average lifetime: up to 36,000 h
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- ErP compliant according to EU Regulation 245/2009
- Dimmable on conventional control gears and electronic control gears

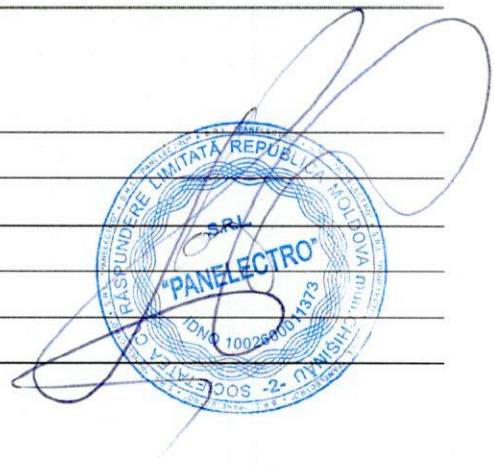


TECHNICAL DATA

Electrical data

Rated wattage	100.00 W
Lamp current	1.2 A
Nominal wattage	100.00 W
Nominal voltage	100 V
Ignition voltage	3.3 / 5.0 kVp ¹⁾

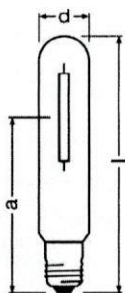
¹⁾ Minimum / Maximum



Photometrical data

Rated luminous flux	10700 lm
Color temperature	2000 K
Luminous flux	10700 lm
Color rendering index Ra	≤25

Dimensions & weight



Diameter	47.0 mm
Length	210.0 mm
Light center length (LCL)	132.0 mm
Product weight	108.00 g

Temperatures & operating conditions

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

Lifespan

Lifespan B50	36000 h
Lifespan B10	22000 h
Lifespan B5	20000 h

Additional product data

Base (standard designation)	E40
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
Design / version	Clear
System guarantee level	3 (2/5)
Mercury content	14.0 mg



Capabilities

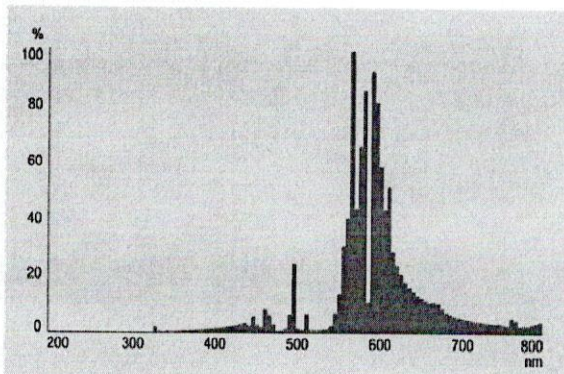
Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTO

Country-specific categorizations

ILCOS	ST-100-H/E/SL-E40-47/210
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Light Distribution



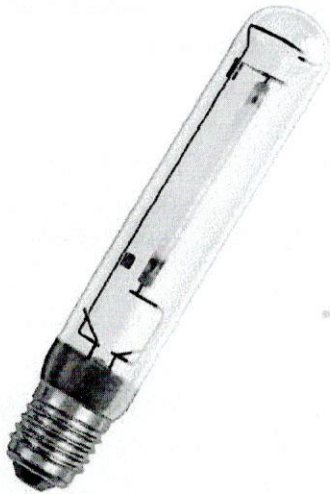
Spectral power distribution

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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PRODUCT DATASHEET NAV-T 150 W SUPER 4Y

VIALOX NAV-T SUPER 4Y | 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

- 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

PRODUCT FEATURES

- Lamp survival factor: 95 % after 16,000 h burning time
- Average lifetime: up to 36,000 h
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- ErP compliant according to EU Regulation 245/2009
- Dimmable on conventional control gears and electronic control gears



TECHNICAL DATA

Electrical data

Rated wattage	152.00 W
Lamp current	1.8 A
Nominal wattage	150.00 W
Nominal voltage	100 V
Ignition voltage	3.3 / 5.0 kVp ¹⁾

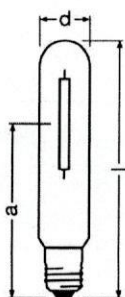
¹⁾ Minimum / Maximum



Photometrical data

Rated luminous flux	17500 lm
Color temperature	2000 K
Luminous flux	17500 lm
Color rendering index Ra	≤25

Dimensions & weight



Diameter	47.0 mm
Length	210.0 mm
Light center length (LCL)	132.0 mm
Product weight	145.00 g

Temperatures & operating conditions

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

Lifespan

Lifespan B50	36000 h
Lifespan B10	24000 h
Lifespan B5	20000 h

Additional product data

Base (standard designation)	E40
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable
Design / version	Clear
System guarantee level	3 (2/5)
Mercury content	21.0 mg



Capabilities

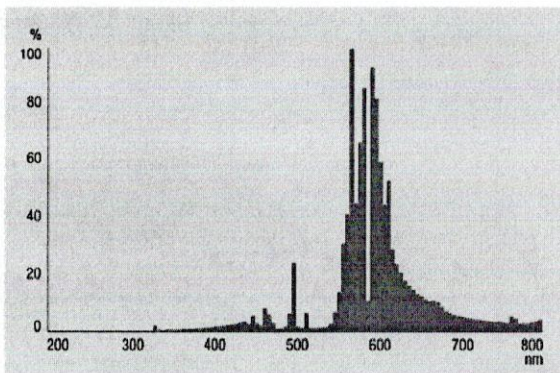
Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTo

Country-specific categorizations

ILCOS	ST-150-H/E/SL-E40-47/210
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Light Distribution



Spectral power distribution

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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