

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)



Product datasheet

Technical data

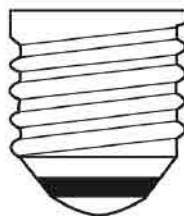
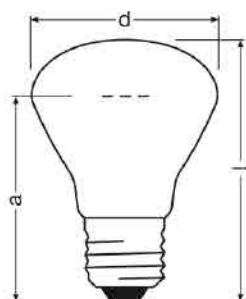
Electrical data

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

Photometrical data

Nominal luminous flux	740 lm
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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

Country specific categorizations

Order reference	SIG 1546 LL CL
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Country specific information

Product code	METEL code	SEG-No.	STK number	UK Org
4008321044358	OSRSIG1546LL	-	4730146	-

Product datasheet

Safety advice

Use only in equipment/luminaires that are specially designed for the purpose.
Protect the lamps against moisture during operation and installation.



Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321044358	SIG 1546 LL	Unpacked 1	95 mm x 55 mm x 55 mm	0.29 dm ³	37.00 g
4050300613680	SIG 1546 LL	Shipping carton box 100	400 mm x 371 mm x 272 mm	40.36 dm ³	4045.00 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.

Legal advice

Meet luminous intensity requirements of DIN EN 12368 (depending on installation)

Disclaimer

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

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)



Product datasheet

Technical data

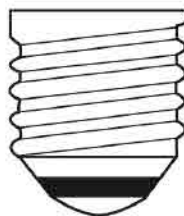
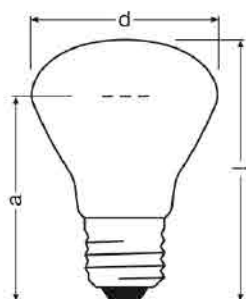
Electrical data

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

Photometrical data

Nominal luminous flux	520 lm
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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	≤105° ¹⁾
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¹⁾ Only the permissible burning position may be used otherwise the lamp will fail prematurely

Country specific categorizations

Order reference	SIG 1543 LL CL
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Country specific information

Product code	METEL code	SEG-No.	STK number	UK Org
4008321044389	OSRSIG1543LL	-	4730144	-

Product datasheet

Safety advice

Use only in equipment/luminaires that are specially designed for the purpose.
Protect the lamps against moisture during operation and installation.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321044389	SIG 1543 LL	Unpacked 1	86 mm x 37 mm x 45 mm	0.14 dm ³	28.00 g
4050300613666	SIG 1543 LL	Shipping carton box 100	400 mm x 371 mm x 266 mm	39.47 dm ³	3855.00 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.

Legal advice

Meet luminous intensity requirements of DIN EN 12368 (depending on installation)

Disclaimer

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PRODUCT DATASHEET

NAV-T 100 W SUPER 4Y

VIALOX® NAV®-T SUPER 4Y® 50...400 W | 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

- 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
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- Dimmable on conventional control gears and electronic control gears

TECHNICAL DATA

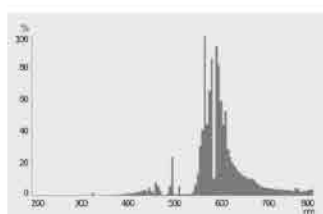
Electrical data

Nominal wattage	100 W
Construction wattage	105.20 W
Nominal voltage	100 V
Ignition voltage	3.3/5.0 kVp ¹⁾
Nominal current	1.2 A
PFC capacitor at 50 Hz	12 µF

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	10300 lm
Luminous efficacy	98 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.94
Rated LLMF at 4,000 h	0.92
Rated LLMF at 6,000 h	0.90
Rated LLMF at 8,000 h	0.89
Rated LLMF at 12,000 h	0.88
Rated LLMF at 16,000 h	0.87
Rated LLMF at 20,000 h	0.86
UV protection	No



Dimensions & Weight

Overall length	211.00 mm
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Light center length (LCL)	132,0 mm
Diameter	47 mm
Product weight	110.00 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	32000 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	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.97
Rated lamp survival factor at 16,000	0.96
Rated lamp survival factor at 20,000 h	0.95
Lifespan B10	22000 h
Lifespan B5	20000 h
Lifespan B50	36000 h

Additional product data

Base (standard designation)	E40
Mercury content	14.4 mg
Design / version	Clear
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable

Capabilities

Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTo

Certificates & Standards

Energy efficiency class	F
Energy consumption	106.00 kWh/1000h





Country-specific categorizations

ILCOS	ST-100-H/E/SL-E40-47/210
Order reference	NAV-T 100W SUPE

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)	E40
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	211.00 mm
Height	47 mm
Width	47 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle	SPHERE_360
EPREL ID	546581
Model number	AC34373

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction High Intensity Discharge Lamp UI
	Certificates EAC RU C-DE.AYA46.B.85891 29.06.2018-28.06.2023 ROSTEST-Moskva - HPS
	Certificates EAC N RU D-DE.MU62.B.00936_20 06.03.2020-05.03.2025 Prommash Test - HPS
	Declarations of conformity EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300015743	Sleeve 1	52 mm x 52 mm x 260 mm	121.00 g	0.70 dm ³
4050300631806	Shipping box 12	247 mm x 270 mm x 220 mm	2262.00 g	14.67 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

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PRODUCT DATASHEET

NAV-T 150 W SUPER 4Y

VIALOX® NAV®-T SUPER 4Y® 50...400 W | 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

- 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
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- Dimmable on conventional control gears and electronic control gears

TECHNICAL DATA

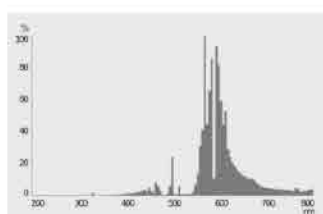
Electrical data

Nominal wattage	150 W
Construction wattage	161.10 W
Nominal voltage	100 V
Ignition voltage	3.3/5.0 kVp ¹⁾
Nominal current	1.8 A
PFC capacitor at 50 Hz	20 µF

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	17500 lm
Luminous efficacy	109 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.98
Rated LLMF at 4,000 h	0.97
Rated LLMF at 6,000 h	0.96
Rated LLMF at 8,000 h	0.95
Rated LLMF at 12,000 h	0.94
Rated LLMF at 16,000 h	0.94
Rated LLMF at 20,000 h	0.94
UV protection	No



Dimensions & Weight

Overall length	211.00 mm
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Light center length (LCL)	132,0 mm
Diameter	47 mm
Product weight	115.00 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	32000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.99
Rated lamp survival factor at 6,000	0.98
Rated lamp survival factor at 8,000 h	0.98
Rated lamp survival factor at 12,000 h	0.97
Rated lamp survival factor at 16,000	0.96
Rated lamp survival factor at 20,000 h	0.95
Lifespan B10	24000 h
Lifespan B5	20000 h
Lifespan B50	36000 h

Additional product data

Base (standard designation)	E40
Mercury content	21.6 mg
Design / version	Clear
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable

Capabilities

Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTo

Certificates & Standards

Energy efficiency class	F
Energy consumption	162.00 kWh/1000h





Country-specific categorizations

ILCOS	ST-150-H/E/SL-E40-47/210
Order reference	NAV-T 150W SUPE

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)	E40
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	211.00 mm
Height	47 mm
Width	47 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle	SPHERE_360
EPREL ID	546583
Model number	AC34375

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction High Intensity Discharge Lamp UI
	Certificates EAC RU C-DE.AYA46.B.85891 29.06.2018-28.06.2023 ROSTEST-Moskva - HPS
	Certificates EAC N RU D-DE.MU62.B.00936_20 06.03.2020-05.03.2025 Prommash Test - HPS
	Declarations of conformity EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300024400	Sleeve 1	52 mm x 52 mm x 260 mm	145.00 g	0.70 dm ³
4050300631790	Shipping box 12	245 mm x 266 mm x 200 mm	2043.00 g	13.03 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

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PRODUCT DATASHEET

NAV-T 250 W SUPER 4Y

VIALOX® NAV®-T SUPER 4Y® 50...400 W | 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

- 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
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- Dimmable on conventional control gears and electronic control gears

TECHNICAL DATA

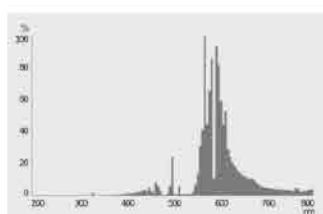
Electrical data

Nominal wattage	250 W
Construction wattage	267.40 W
Nominal voltage	100 V
Ignition voltage	3.3/5.0 kVp ¹⁾
Nominal current	2.95 A
PFC capacitor at 50 Hz	32 µF

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	33200 lm
Luminous efficacy	124 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.98
Rated LLMF at 4,000 h	0.97
Rated LLMF at 6,000 h	0.96
Rated LLMF at 8,000 h	0.95
Rated LLMF at 12,000 h	0.94
Rated LLMF at 16,000 h	0.94
Rated LLMF at 20,000 h	0.94
UV protection	No



Dimensions & Weight

Overall length	257.00 mm
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Light center length (LCL)	158,0 mm
Diameter	47.00 mm
Product weight	135.00 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	32000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.99
Rated lamp survival factor at 6,000	0.98
Rated lamp survival factor at 8,000 h	0.98
Rated lamp survival factor at 12,000 h	0.97
Rated lamp survival factor at 16,000	0.96
Rated lamp survival factor at 20,000 h	0.95
Lifespan B10	24000 h
Lifespan B5	20000 h
Lifespan B50	36000 h

Additional product data

Base (standard designation)	E40
Mercury content	21.6 mg
Design / version	Clear
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable

Capabilities

Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	No

¹⁾ In combination with POWERTRONIC PTo

Certificates & Standards

Energy efficiency class	E
Energy consumption	267.00 kWh/1000h





Country-specific categorizations

ILCOS	ST-250-H/E/SL-E40-47/257
Order reference	NAV-T 250W SUPE

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)	E40
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	257.00 mm
Height	47.00 mm
Width	47.00 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle	SPHERE_360
EPREL ID	546586
Model number	AC34378

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction High Intensity Discharge Lamp UI
	Certificates EAC RU C-DE.AYA46.B.85891 29.06.2018-28.06.2023 ROSTEST-Moskva - HPS
	Certificates EAC N RU D-DE.MU62.B.00936_20 06.03.2020-05.03.2025 Prommash Test - HPS
	Declarations of conformity EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300024417	Sleeve 1	325 mm x 52 mm x 59 mm	196.00 g	1.00 dm ³
4050300631783	Shipping box 12	241 mm x 324 mm x 200 mm	2588.00 g	15.62 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

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PRODUCT DATASHEET

NAV-T 400 W SUPER 4Y

VIALOX® NAV®-T SUPER 4Y® 50...400 W | 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

- 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
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- Dimmable on conventional control gears and electronic control gears

TECHNICAL DATA

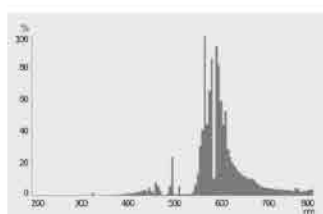
Electrical data

Nominal wattage	400 W
Construction wattage	415.50 W
Nominal voltage	100 V
Ignition voltage	3.3/5.0 kVp ¹⁾
Nominal current	4.42 A
PFC capacitor at 50 Hz	45 µF

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	56500 lm
Luminous efficacy	136 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.98
Rated LLMF at 4,000 h	0.97
Rated LLMF at 6,000 h	0.96
Rated LLMF at 8,000 h	0.95
Rated LLMF at 12,000 h	0.94
Rated LLMF at 16,000 h	0.94
Rated LLMF at 20,000 h	0.94
UV protection	No



Dimensions & Weight

Overall length	285.00 mm
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Light center length (LCL)	175,0 mm
Diameter	47 mm
Product weight	150.00 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	32000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.99
Rated lamp survival factor at 6,000	0.98
Rated lamp survival factor at 8,000 h	0.98
Rated lamp survival factor at 12,000 h	0.97
Rated lamp survival factor at 16,000	0.96
Rated lamp survival factor at 20,000 h	0.95
Lifespan B10	24000 h
Lifespan B5	20000 h
Lifespan B50	36000 h

Additional product data

Base (standard designation)	E40
Mercury content	21.6 mg
Design / version	Clear
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable

Capabilities

Dimmable	Yes
Burning position	Any
Enclosed luminaire required	No

Certificates & Standards

Energy efficiency class	E
Energy consumption	416.00 kWh/1000h





Country-specific categorizations

ILCOS	ST-400-H/E/SL-E40-47/285
Order reference	NAV-T 400W SUPE

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)	E40
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	285.00 mm
Height	47 mm
Width	47 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle	SPHERE_360
EPREL ID	546588
Model number	AC34380

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction High Intensity Discharge Lamp UI
	Certificates EAC RU C-DE.AYA46.B.85891 29.06.2018-28.06.2023 ROSTEST-Moskva - HPS
	Certificates EAC N RU D-DE.MU62.B.00936_20 06.03.2020-05.03.2025 Prommash Test - HPS
	Declarations of conformity EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300281179	Sleeve 1	325 mm x 52 mm x 63 mm	192.00 g	1.06 dm ³
4050300199962	Shipping box 12	267 mm x 345 mm x 224 mm	2694.00 g	20.63 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

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PRODUCT DATASHEET

NAV-T 70 W SUPER 4Y

VIALOX® NAV®-T SUPER 4Y® 50...400 W | 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

- 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
- Lamp maintenance factor: ≥ 80 % after 16,000 h burning time (according to DIN 13201)
- Service lifetime: 4 years (at approx. 11 h/day)
- Dimmable on conventional control gears and electronic control gears



TECHNICAL DATA

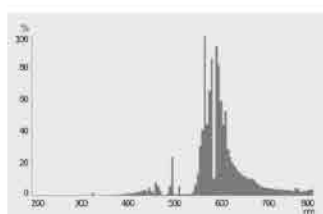
Electrical data

Nominal wattage	70 W
Construction wattage	76.90 W
Nominal voltage	90 V
Ignition voltage	1.8/5.0 kVp ¹⁾
Nominal current	0.98 A
PFC capacitor at 50 Hz	12 µF

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	6400 lm
Luminous efficacy	83 lm/W
Color temperature	2000 K
Color rendering index Ra	≤25
Light color	220
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.91
Rated LLMF at 6,000 h	0.90
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
UV protection	No



Dimensions & Weight

Overall length	155.00 mm
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Light center length (LCL)	104,0 mm
Diameter	36,0 mm
Product weight	60.00 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	30000 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	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.96
Rated lamp survival factor at 16,000	0.95
Rated lamp survival factor at 20,000 h	0.90
Lifespan B10	20000 h
Lifespan B5	16000 h
Lifespan B50	30000 h

Additional product data

Base (standard designation)	E27
Mercury content	10.8 mg
Design / version	Clear
Product remark	Important: Before replacing for NAV Standard lamps in existing installations, check that the igniters are suitable

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	77.00 kWh/1000h





Country-specific categorizations

ILCOS	ST-70-H/E/SL-E27-39/156
Order reference	NAV-T 70W SUPER

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	36,0 mm
Width	36,0 mm
Chromaticity coordinate x	0,535
Chromaticity coordinate y	0,420
Beam angle	SPHERE_360
EPREL ID	546578
Model number	AC34370

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction High Intensity Discharge Lamp UI
	Certificates EAC RU C-DE.AYA46.B.85891 29.06.2018-28.06.2023 ROSTEST-Moskva - HPS
	Certificates EAC N RU D-DE.MU62.B.00936_20 06.03.2020-05.03.2025 Prommash Test - HPS
	Declarations of conformity EC Declaration of Conformity - 2021 9C1-4077887-EN-00 - HPS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899415416	Sleeve 1	39 mm x 39 mm x 196 mm	69.00 g	0.30 dm ³
4052899415423	Shipping box 12	168 mm x 130 mm x 212 mm	956.00 g	4.63 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.



ML

ML 160W E27 225-235V SG 1SL/24

Mixed Light lamps

Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

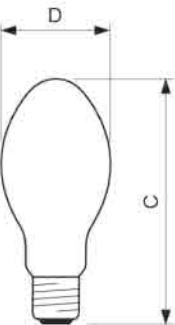
General information	
Cap-Base	E27 [E27]
Operating Position	VBU/VBD30 [Vertical or Base Up/Base Down +/-30D]
Life To 10% Failures (Nom)	3000 h
Life to 20% Failures (Nom)	5000 h
Life to 50% Failures (Nom)	8000 h
LSF 2000 h Rated	93 %
LSF 4000 h Rated	85 %
LSF 6000 h Rated	70 %
LSF 8000 h Rated	50 %
Light technical	
Luminous Flux (Rated) (Nom)	3200 lm
Lumen Maintenance 2000 h (Min)	80 %
Lumen Maintenance 2000 h (Nom)	90 %
Lumen Maintenance 5000 h (Min)	75 %
Lumen Maintenance 5000 h (Nom)	85 %
Lumen Maintenance 8000 h (Min)	70 %
Lumen Maintenance 8000 h (Nom)	72 %
Chromaticity Coordinate X (Nom)	371

Chromaticity Coordinate Y (Nom)	380
Correlated Color Temperature (Nom)	3600 K
Luminous Efficacy (rated) (Nom)	17 lm/W
Color Rendering Index (Nom)	65
Operating and electrical	
Lamp supply voltage	225-235 V
Power (Nom)	165.0 W
Lamp Current (EM) (Nom)	0.74 A
Ignition Supply Voltage (Max)	180 V
Voltage (Nom)	230 V
Controls and dimming	
Dimmable	No
Mechanical and housing	
Bulb Finish	Coated glass
Bulb Material	Soft Glass
Bulb Shape	BF75 [BF 75mm]

Approval and application	
Mercury (Hg) Content (Nom)	13 mg
Energy Consumption kWh/1000 h	160 kWh
Luminaire design requirements	
Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	200 °C
Product data	
Full product code	871150018135030

Order product name	ML 160W E27 225-235V SG 1SL/24
EAN/UPC - Product	8711500181350
Order code	928095056891
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	24
Material Nr. (12NC)	928095056891
Net Weight (Piece)	0.077 kg
ILCOS Code	QB-160-225/235-E27

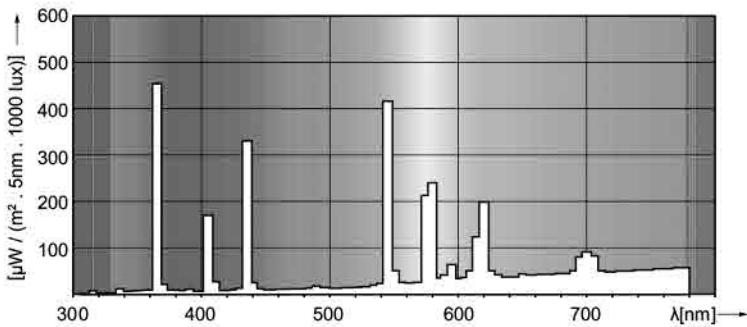
Dimensional drawing



ML 160W E27 225-235V SG 1SL/24

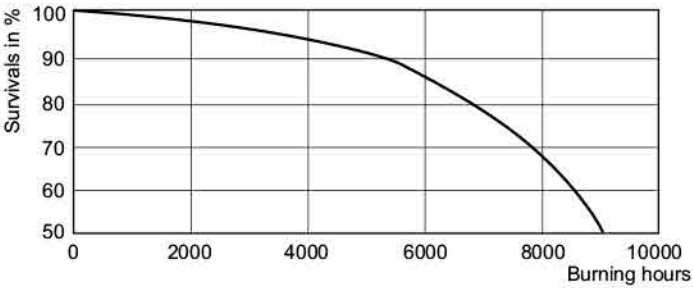
Product	D (max)	C (max)
ML 160W E27 225-235V SG 1SL/24	76 mm	173 mm

Photometric data

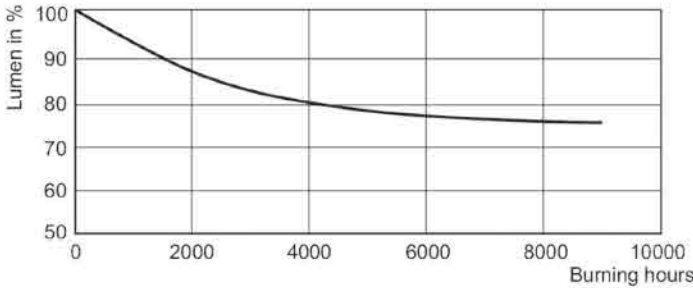


LDPO_ML-Spectral power distribution Colour

Lifetime



LDLE_ML_160W-Life expectancy diagram



LDLM_ML_160W-Lumen maintenance diagram

