



Quality remains.

OSRAM VIALOX® NAV® lamps for street lighting:
ErP-compliant even after April 2012.

SEE THE WORLD IN A NEW LIGHT



NAV lamps

The crucial extra.

The second stage of the ErP regulation for lighting projects used mainly in the professional sector comes into force on April 13, 2012 – regulation (EC) No. 245/2009 – and with it come even stricter limit values for efficiency, lumen maintenance and lamp life. This may be the end of the road for high-pressure sodium lamps from many manufacturers. Even after the second stage of the ErP regulation comes into effect, OSRAM can supply a wide variety of NAV lamps in the VIALOX® NAV® range. In the case of NAV-E 50W and NAV-E 70W, OSRAM can offer externally ignited and internally ignited versions thanks to continual improvements in product quality.

Anyone looking for standard 50 W or 70 W high-pressure sodium lamps should look no further than OSRAM products. All 50 W and 70 W VIALOX® NAV® lamps from OSRAM with elliptical frosted bulbs are ErP-compliant even after April 2012

and can continue to be sold. In addition, OSRAM offers energy-efficient and durable alternative products with the familiar outer bulb shape for all other wattage ranges.

	NAV-E STANDARD (3Y)	NAV-E 4Y	NAV-E SUPER 4Y	NAV-E/I STANDARD (3Y)	NAV-E/I 4Y
					
50 Watt	4050300015750	4050300577678	4008321356024	4050300015583	4050300606033
70 Watt	4050300015767	4050300577692	4008321356048	4050300015590	4050300606019
100 Watt	4008321087300		4050300015774		
150 Watt	4050300015613	4050300577555	4050300024370		
250 Watt	4050300015620	4050300577579	4050300024387		
400 Watt	4050300015637	4050300577593	4050300024394		
600 Watt					
1 000 Watt	4050300015644				

 ErP-compliant

 Not ErP-compliant

 These NAV lamps from OSRAM outperform the strict limit values laid down in the second stage of the ErP directive for efficiency, lamp life and lumen maintenance – in contrast to comparable products from other manufacturers.



OSRAM makes it possible.

For outdoor and street lighting, costly upgrades of existing installations to new lighting systems are not absolutely essential at this point in time. This is because many OSRAM VIALOX® NAV® lamps meet the strict ErP criteria thanks to their outstanding product quality and can continue to be used in existing installations.

Comparison: ErP requirements and OSRAM values

	Efficiency [lm/W]		Survival rate after 12,000 h [LSF]		Constant luminous flux after 12,000 h [LLMF]	
	ErP	OSRAM	ErP	OSRAM	ErP	OSRAM
NAV-E 50W	≥ 70	≥ 72	> 90	> 91	> 80	> 82
NAV-E 70W	≥ 80	≥ 85	> 90	> 95	> 80	> 81
NAV-E/I 50W	≥ 70	≥ 72	> 90	> 90	> 80	> 82
NAV-E/I 70W	≥ 80	≥ 85	> 90	> 95	> 80	> 81

OSRAM lamps exceed the ErP requirements.

NAV-T
STANDARD (3Y)


4008321337986

4050300255590

4008321087287

4050300015668

4050300015675

4050300015682

4050300251417

NAV-T
4Y


4050300579061

4050300577616

4050300577630

4050300577654

NAV-T
SUPER 4Y


4050300024325

4050300015736

4050300015743

4050300024400

4050300024417

40503000281179

4050300275772

NAV-TS
STANDARD¹⁾


4050300015705

4050300015712

NAV-TS
SUPER 4Y¹⁾


4050300024301

4050300281667

NAV-E
Plug-in¹⁾


68 Watt

110 Watt

210 Watt

350 Watt

4008321345462

4050300024318

4050300015576

4050300015651

¹ Not affected by the second stage of the 2012 ErP regulations.

HIGH-PRESSURE SODIUM VAPOR LAMPS



VIALOX® NAV®-E Standard

- Successful lamp in standard quality
- For relamping intervals of 3 years and more

Product reference

W

lm



EAN

VIALOX® NAV®-E Standard (3Y)

NAV-E 50/E	50	3600	E27	156	71	24	4050300015750
NAV-E 70/E	70	5900	E27	156	71	24	4050300015767



VIALOX® NAV®-E 4Y®

- Very high economy thanks to longer life
- For relamping intervals of 4 years and more

NAV® Standard



50 W → 50 W
70 W → 70 W

NAV® 4Y®



Product reference

W

lm



EAN

VIALOX® NAV®-E 4Y®

NAV-E 50 4Y	50	3600	E27	156	71	24	4050300577678
NAV-E 70 4Y	70	5900	E27	156	71	24	4050300577692



VIALOX® NAV®-E SUPER 4Y®

- Our best high-pressure sodium lamp with an elliptical bulb
- NAV Super technology with up to 20% higher luminous efficacy compared with NAV Standard
- For relamping intervals of 4 years and more

NAV® Standard



50 W → 50 W
70 W → 70 W

NAV® SUPER



100 W → 100 W
150 W → 150 W
250 W → 250 W
400 W → 400 W



Saves up to
20%
energy and
CO₂!¹

Product reference

W

lm



EAN

VIALOX® NAV®-E SUPER 4Y®

NAV-E 50 SUPER 4Y	50	4000	E27	156	71	24	4008321356024
NAV-E 70 SUPER 4Y	70	6300	E27	156	71	24	4008321356048
NAV-E 100 SUPER 4Y	100	10400	E40	183	76	12	4050300015774
NAV-E 150 SUPER 4Y	150	17000	E40	226	91	12	4050300024370
NAV-E 250 SUPER 4Y	250	31600	E40	226	91	12	4050300024387
NAV-E 400 SUPER 4Y	400	56500	E40	290	122	12	4050300024394

¹ For new installations, compared with standard high-pressure sodium vapor lamps.



VIALOX® NAV®-E/I Standard

- Successful lamp in standard quality
- With internal igniter – for operation in luminaires without an igniter
- For relamping intervals of 3 years and more

Product reference

W

lm



EAN

VIALOX® NAV®-E/I Standard

NAV-E 50/I ¹⁾	50	3 600	E27	156	71	24	4050300015583
NAV-E 70/I ¹⁾	70	5 900	E27	156	71	24	4050300015590



VIALOX® NAV®-E/I 4Y®

- Very high economy thanks to longer life
- With high-performance internal igniter – for operation in luminaires without an igniter
- For relamping intervals of 4 years and more

NAV® Standard

50 W
70 W

NAV® 4Y®

50 W
70 W

Product reference

W

lm



EAN

VIALOX® NAV®-E/I 4Y®

NAV-E 50/I 4Y ¹⁾	50	3 600	E27	156	71	24	4050300606033
NAV-E 70/I 4Y ¹⁾	70	5 900	E27	156	71	24	4050300606019



VIALOX® NAV®-E Plug-in

- Ideally matched to replace high-pressure mercury vapor lamps
- Long life and high luminous efficacy

HQL® Standard

80 W
125 W

NAV® Plug-in

68 W
110 W250 W
400 W210 W
350 W

Saves up to
15%
energy and
CO₂^{1,2}

Product reference

W

lm



EAN

VIALOX® NAV®-E Plug-in

NAV-E 68 ³⁾	68	5 600	E27	152	71	24	4008321345462
NAV-E 110 ⁴⁾	110	8 000	E27	170	76	40	4050300024318
NAV-E 210 ⁵⁾	210	18 000	E40	226	91	12	4050300015576
NAV-E 350 ⁶⁾	350	34 000	E40	285	122	12	4050300015651

¹⁾ Operate only with NAV control gear. No igniter required. ²⁾ Compared with HQL® lamps. ³⁾ Up to 42% more light than HQL® 80 W. ⁴⁾ Up to 27% more light than HQL® 125 W. ⁵⁾ Up to 38% more light than HQL® 250 W. ⁶⁾ Up to 54% more light than HQL® 400 W.

HIGH-PRESSURE SODIUM VAPOR LAMPS



VIALOX® NAV®-T Standard

- Successful lamp in standard quality
- For relamping intervals of 3 years and more

Product reference

W

lm



EAN

VIALOX® NAV®-T Standard (3Y)

NAV-T 1000	1 000	130 000	E40	360	66	12	4050300251417
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VIALOX® NAV®-T SUPER 4Y®

- NAV Super technology with up to 20% higher luminous efficacy compared with NAV Standard
- For relamping intervals of 4 years and more

NAV® Standard

NAV® SUPER

NAV® Standard

NAV® SUPER



50 W → 50 W
70 W → 70 W



100 W → 100 W
150 W → 150 W
250 W → 250 W
400 W → 400 W



Product reference

W

lm



EAN

VIALOX® NAV®-T SUPER 4Y®

NAV-T 50 SUPER 4Y	50	4400	E27	156	38	12	4050300024325
NAV-T 70 SUPER 4Y	70	6600	E27	156	38	12	4050300015736
NAV-T 100 SUPER 4Y	100	10700	E40	210	47	12	4050300015743
NAV-T 150 SUPER 4Y	150	17500	E40	210	47	12	4050300024400
NAV-T 250 SUPER 4Y	250	33000	E40	257	47	12	4050300024417
NAV-T 400 SUPER 4Y	400	56500	E40	285	47	12	4050300281179

HIGH-PRESSURE SODIUM VAPOR LAMPS



VIALOX® NAV®-TS Standard

- Economical operation
- Double ended (Fc2 base)

Product reference



EAN

VIALOX® NAV®-TS Standard

NAV-TS 250 ¹⁾	250	28000	Fc2	206	23	12	4050300015705
NAV-TS 400 ¹⁾	400	49000	Fc2	206	23	12	4050300015712



VIALOX® NAV®-TS SUPER 4Y®

- Extremely economical long-life lamp
- Up to 25 % longer life ²⁾
- Double ended (Rx7s and Rx7s-24 bases)

Product reference



EAN

VIALOX® NAV®-TS SUPER 4Y®

NAV-TS 70 SUPER 4Y ¹⁾	70	6500	Rx7s	120	20	12	4050300024301
NAV-TS 150 SUPER 4Y ¹⁾	150	15000	Rx7s-24	138	23	12	40503000281667

¹⁾ Important: Before replacing for NAV standard lamps in existing installations, check that the igniters are suitable.

²⁾ Compared with corresponding TS-Standard lamps.

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