

## Halogen (< 75 V) Single End

OSRAM single end low voltage halogen lamps provide high quality light to meet the high demands of the medical and scientific markets

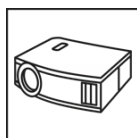


### Areas of application

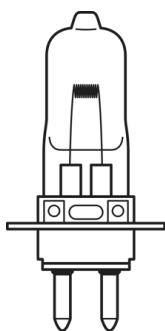
- Microscopy
- Laboratory & Analysis
- UV Curing
- Fiber Illumination
- Surgical & Dental Overhead

### Product features and benefits

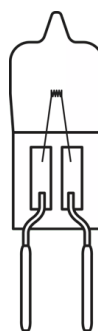
- Precise filament alignment with patented quartz pinch technology
- OSRAM HLX lamps provide 10% higher luminous efficacy over standard halogen
- Instant on and nearly constant luminous flux over the life of the lamp
- Dimmable



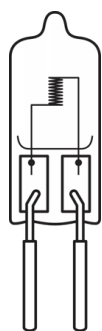
## Product family datasheet



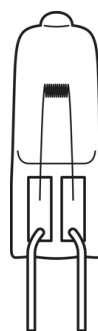
HALOGEN NIEDERVOLT LAMPE PG 22



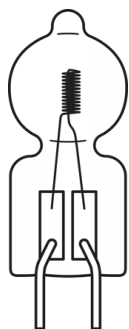
LOW-VOLTAGE HALOGEN LAMP 64250



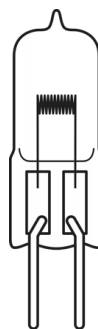
LOW-VOLTAGE HALOGEN LAMP 62138



LOW-VOLTAGE HALOGEN LAMP 64611

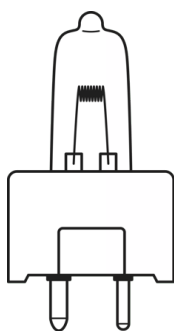


LOW-VOLTAGE HALOGEN LAMP 64668



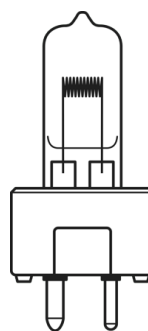
LOW-VOLTAGE HALOGEN LAMP 64640

## Product family datasheet



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LOW-VOLTAGE HALOGEN LAMP 64628



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LOW-VOLTAGE HALOGEN LAMP 64643

## Product family datasheet

### Technical data

Product description	General Product Information		Electrical Data	Photometric Data
	ANSI code	LIF code	Nominal voltage	Nominal luminous flux
64222 10 W 6 V	-		6 V	150 lm
64223 10 W 6 V	-	M/43	6 V	150 lm
64225 10 W 6 V	ESA/FHS	M/29	6 V	200 lm
64250 HLX	ESB	M/33	6 V	460 lm
64251 HLX	-		6 V	460 lm
64265 HLX	-		6 V	765 lm
64260 30 W 12 V	-	M/185	12.0 V	800 lm
64275 AX	-	M/137	6 V	755 lm
64258 20 W 12 V	-		12.0 V	350 lm
64602 50 W 12 V	-	M/134	12.0 V	1000 lm
64610 HLX	BRL	A1/220	12.0 V	1600 lm
64611 HLX	-		12.0 V	1350 lm
64604 50 W 12 V	-		12.0 V	1000 lm
64668 XIR	-		22.8 V	3050 lm
64621 HLX	-		12.0 V	2880 lm
64623 HLX	EVA	M/28	12.0 V	2800 lm
64638 HLX	-		24.0 V	2970 lm
64625 HLX	FCR	A1/215	12.0 V	3600 lm
64628 100 W 12 V	FDT	A1/261	12.0 V	3420 lm
62138 HLX	-		12.0 V	3050 lm
64626 HLX <sup>1)</sup>	EHE	A1/45	12.0 V	3500 lm
64647 120 W 24 V	-		22.8 V	3600 lm
64650 50 W 22,8 V	-		22.8 V	1150 lm
64633 HLX	BRJ	A1/234	15.0 V	5600 lm
64640 HLX	FCS	A1/216	24.0 V	6000 lm
64292 XIR	-		22.8 V	6000 lm
64642 HLX	FDV	M/184	24.0 V	5000 lm
64641 HLX	-		24.0 V	2700 lm
64643 150 W 24 V	FDS	A1/262	24.0 V	5000 lm
64654 HLX <sup>1)</sup>	-		24.0 V	9000 lm
64655 HLX	EHJ	A1/223	24.0 V	10000 lm
64656 HLX	FNT		24.0 V	10000 lm
64657 HLX	EVC	M/33	24.0 V	9000 lm
64663 HLX	EVD	A1/239	36.0 V	16200 lm
64664 HLX	-	A1/270	36.0 V	14500 lm
64665 HLX	-	A1/166	36.0 V	12200 lm

## Product family datasheet

Product description	Illuminated field	Color temperature	Color rendering index Ra	Light center length (LCL)
64222 10 W 6 V	1.3*0.8 mm <sup>2</sup>	3050 K	100	14.0 mm
64223 10 W 6 V	1.5*0.7 mm <sup>2</sup>	2900 K	100	24.0 mm
64225 10 W 6 V	1.7*0.65 mm <sup>2</sup>	3200 K	100	19.5 mm
64250 HLX	2.3*0.8 mm <sup>2</sup>	3350 K	100	19.4 mm <sup>2)</sup>
64251 HLX	2.3*0.8 mm <sup>2</sup>	3350 K	100	14.0 mm
64265 HLX	1.6*1.6 mm <sup>2</sup>	3200 K	100	19.5 mm
64260 30 W 12 V	2.6*1.3 mm <sup>2</sup>	3300 K	100	14.0 mm
64275 AX	1.3*1.6 mm <sup>2</sup>	3350 K	100	26.0 mm <sup>2)</sup>
64258 20 W 12 V	3.5*0.8 mm <sup>2 3)</sup>		100	19.5 mm <sup>2)</sup>
64602 50 W 12 V	3.0*3.0 mm <sup>2</sup>	3050 K	100	30.0 mm
64610 HLX	3.3*1.6 mm <sup>2</sup>	3350 K	100	30.0 mm <sup>2)</sup>
64611 HLX	3.3*1.6 mm <sup>2</sup>	3250 K	100	30.0 mm
64604 50 W 12 V	3.3*1.6 mm <sup>2</sup>	3000 K		30.0 mm
64668 XIR	2.2*5.5 mm <sup>2</sup>	3250 K	100	30.0 mm <sup>2)</sup>
64621 HLX	4.7*2.7 mm <sup>2</sup>	3300 K	100	18.0 mm
64623 HLX	4.7*2.7 mm <sup>2</sup>	3300 K	100	30.0 mm
64638 HLX	5.3*2.6 mm <sup>2</sup>	3100 K	100	30.0 mm
64625 HLX	4.2*2.3 mm <sup>2</sup>	3450 K	100	30.0 mm <sup>2)</sup>
64628 100 W 12 V	4.2*2.3 mm <sup>2</sup>	3500 K	100	27.0 mm
62138 HLX	2.4*1.8 mm <sup>2</sup>	3350 K	100	27.0 mm
64626 HLX <sup>1)</sup>	4.2*2.3 mm <sup>2</sup>	3450 K	100	18.0 mm
64647 120 W 24 V	2.3*6.4 mm <sup>2</sup>		100	30.0 mm
64650 50 W 22,8 V	2.0*5.0 mm <sup>2</sup>	3100 K	100	30.0 mm
64633 HLX	3.0*4.8 mm <sup>2</sup>	3450 K	100	30.0 mm
64640 HLX	5.8*2.9 mm <sup>2</sup>	3450 K	100	30.0 mm <sup>2)</sup>
64292 XIR	2.8*6.7 mm <sup>2</sup>	3250 K	100	30.0 mm <sup>2)</sup>
64642 HLX	6.0*3.2 mm <sup>2</sup>	3450 K	100	31.7 mm <sup>2)</sup>
64641 HLX	3.0*6.0 mm <sup>2</sup>			32.0 mm
64643 150 W 24 V	6.0*3.0 mm <sup>2</sup>	3450 K	100	33.5 mm
64654 HLX <sup>1)</sup>	8.0*4.0 mm <sup>2</sup>	3450 K	100	35.0 mm
64655 HLX	7.1*3.6 mm <sup>2</sup>	3550 K	100	33.0 mm
64656 HLX	7.0*3.5 mm <sup>2</sup>	3550 K	100	33.0 mm
64657 HLX	8.0*4.0 mm <sup>2</sup>		100	33.0 mm
64663 HLX	9.3*4.9 mm <sup>2</sup>	3250 K	100	36.0 mm
64664 HLX	10.0*5.0 mm <sup>2 4)</sup>	3500 K		36.0 mm
64665 HLX	10.5*5.3 mm <sup>2</sup>	3400 K		36.0 mm

Product description	Light center length (LCL) - (in)	Physical Attributes & Dimensions	Operating Conditions	Lifetime Data
		Lamp base	Burning position	Nominal lifetime
64222 10 W 6 V		PG22	Any	300 hr
64223 10 W 6 V	0.936 in	G4	Any	300 hr

## Product family datasheet

Product description	Light center length (LCL) - (in)	Physical Attributes & Dimensions	Operating Conditions	Lifetime Data
		Lamp base	Burning position	Nominal lifetime
64225 10 W 6 V	0.761 in	G4	s90	100 hr
64250 HLX	0.761 in	G4	Any	100 hr
64251 HLX		PG22	Any	100 hr
64265 HLX	0.7678 in	G4	Any	100 hr
64260 30 W 12 V	0.546 in	PG22	Any	50 hr
64275 AX	1.014 in	G4	Any	25 hr
64258 20 W 12 V	0.768 in	G4	s90	2000 hr
64602 50 W 12 V		G6.35	s90	1100 hr
64610 HLX	1.17 in	G6.35	s90	50 hr
64611 HLX		G6.35	s90	100 hr
64604 50 W 12 V		GY6.35	hs30	2000 hr
64668 XIR		G6.35	h90	350 hr
64621 HLX	0.702 in	PG22	s90	2000 hr
64623 HLX	1.17 in	GY6.35	s90	2000 hr
64638 HLX	1.17 in	G6.35	Any	300 hr
64625 HLX	1.18 in	GY6.35	s90	50 hr
64628 100 W 12 V	1.053 in	GY9.5	s90	50 hr
62138 HLX	1.063 in	G6.35	p90/p15	50 hr
64626 HLX <sup>1)</sup>	0.702 in	PG22	s90	50 hr
64647 120 W 24 V	1.18 in	G6.35	Any	1000 hr
64650 50 W 22,8 V	1.17 in	G6.35	Any	1000 hr
64633 HLX	1.17 in	G6.35	s90	50 hr
64640 HLX	1.185 in	G6.35	s90	50 hr
64292 XIR		G6.35	s90	600 hr
64642 HLX	1.248 in	G6.35	s90	300 hr
64641 HLX		G6.35	s135	200 hr
64643 150 W 24 V	1.32 in	GY9.5	s90	100 hr
64654 HLX <sup>1)</sup>	1.365 in	GY9.5	s90	300 hr
64655 HLX	1.287 in	G6.35	s90	50 hr
64656 HLX	1.287 in	G6.35	s90	75 hr
64657 HLX	1.287 in	G6.35	s90	300 hr
64663 HLX	1.404 in	G6.35	s90	50 hr
64664 HLX		G6.35	s105	150 hr
64665 HLX		G6.35	s90	300 hr

### Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Primary article identifier	Declaration no. in SCIP database	Candidate list substance 1
64222 10 W 6 V	4050300327273	No declarable substances contained	No declarable substances contained
64223 10 W 6 V	4008321107039	No declarable substances contained	No declarable substances contained

## Product family datasheet

<b>Environmental &amp; Regulatory Information</b> <b>Information according Art. 33 of EU Regulation (EC) 1907/2006</b> <b>(REACH)</b>			
<b>Product description</b>	<b>Primary article identifier</b>	<b>Declaration no. in SCIP database</b>	<b>Candidate list substance 1</b>
64225 10 W 6 V	4050300006758	No declarable substances contained	No declarable substances contained
64250 HLX	4050300012407	No declarable substances contained	No declarable substances contained
64251 HLX	4050300582290   4050300338316	No declarable substances contained	No declarable substances contained
64265 HLX	4008321107053	No declarable substances contained	No declarable substances contained
64260 30 W 12 V	4050300099798	No declarable substances contained	No declarable substances contained
64275 AX	4050300258690	No declarable substances contained	No declarable substances contained
64258 20 W 12 V	4062172404891   4052899152717   4008321659408   4050300285153   4008321644794	No declarable substances contained	No declarable substances contained
64602 50 W 12 V	4008321107077	No declarable substances contained	No declarable substances contained
64610 HLX	4050300021058   4050300006697	No declarable substances contained	No declarable substances contained
64611 HLX	4008321107091	No declarable substances contained	No declarable substances contained
64604 50 W 12 V	4050300569093	No declarable substances contained	No declarable substances contained
64668 XIR	4008321331182	No declarable substances contained	No declarable substances contained
64621 HLX	4050300535531	No declarable substances contained	No declarable substances contained
64623 HLX	4050300012018   4008321037213	No declarable substances contained	No declarable substances contained
64638 HLX	4050300283050	No declarable substances contained	No declarable substances contained
64625 HLX	4050300006703	No declarable substances contained	No declarable substances contained
64628 100 W 12 V	4008321099549	No declarable substances contained	No declarable substances contained
62138 HLX	4050300242958	No declarable substances contained	No declarable substances contained
64626 HLX <sup>1)</sup>	4050300006765	No declarable substances contained	No declarable substances contained
64647 120 W 24 V	4008321107114	No declarable substances contained	No declarable substances contained
64650 50 W 22,8 V	4008321107138	No declarable substances contained	No declarable substances contained
64633 HLX	4050300006710	No declarable substances contained	No declarable substances contained

## Product family datasheet

Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
Product description	Primary article identifier	Declaration no. in SCIP database	Candidate list substance 1
64640 HLX	4050300006727	No declarable substances contained	No declarable substances contained
64292 XIR	4008321330598	No declarable substances contained	No declarable substances contained
64642 HLX	4050300012025	No declarable substances contained	No declarable substances contained
64641 HLX	4050300048260	No declarable substances contained	No declarable substances contained
64643 150 W 24 V	4008321099648	No declarable substances contained	No declarable substances contained
64654 HLX <sup>1)</sup>	4008321241399   4008321131973	No declarable substances contained	No declarable substances contained
64655 HLX	4050300006734	No declarable substances contained	No declarable substances contained
64656 HLX	4050300023120	No declarable substances contained	No declarable substances contained
64657 HLX	4050300012001	No declarable substances contained	No declarable substances contained
64663 HLX	4050300006741	No declarable substances contained	No declarable substances contained
64664 HLX	4008321241474	No declarable substances contained	No declarable substances contained
64665 HLX	4008321833815   4008321099761	No declarable substances contained	No declarable substances contained

<sup>1)</sup> Available on request

<sup>2)</sup> ±0.3 mm

<sup>3)</sup> Restricted tolerances 3.5±0.25\*0.8±0.10

<sup>4)</sup> Round-core double coil



## Product family datasheet

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### Safety advice

To prevent personal injury or damage to property, halogen lamps may only be operated in suitable luminaires designed with suitable mechanisms (protective shields, grids, etc.) to ensure that in the event of a lamp bursting no parts/shards can escape and that during operation no ultraviolet radiation can escape. There must also be a warning sign to indicate that the lamps give off high levels of heat. Detailed information is available on request.

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### Application advice

For more detailed application information and graphics please see product datasheet.

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### Disclaimer

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