

## Low-voltage halogen lamps without reflector



### Areas of application

- Lamps for special luminaires
- Medical fiber optics (HLX)

### Product benefits

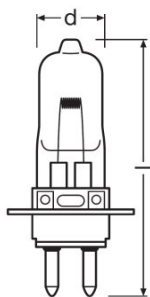
- Compared to standard lamps up to 10 % higher luminous efficacy (HLX)
- Instant light (HLX)

### Product features

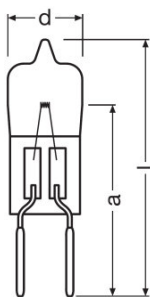
- Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
- Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)
- HLX tungsten halogen low-voltage lamp with or without reflector
- Dimmable (HLX)



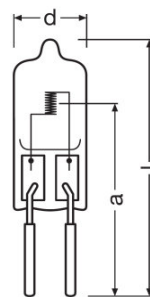
# Product family datasheet



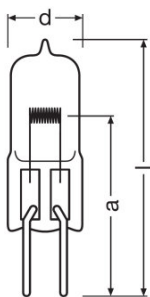
Product line drawing



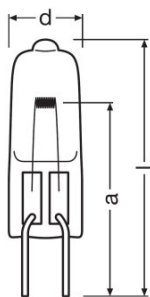
Product line drawing



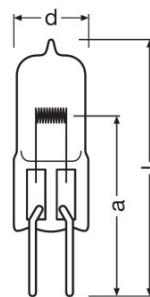
Product line drawing



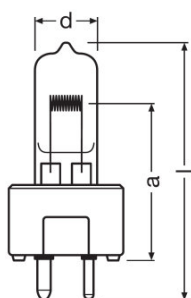
Product line drawing



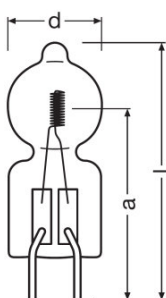
Product line drawing



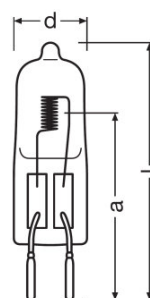
Product line drawing



Product line drawing

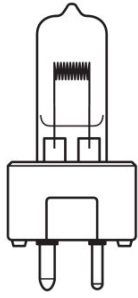


Product line drawing

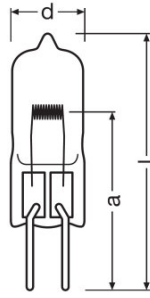


Product line drawing

## Product family datasheet



Prod.line drw, front, no dimensions



Product line drawing

## Product family datasheet

### Technical data

Product description	Electrical data		Photometrical data		Dimensions & weight		Lifespan	Additional product data		Capabilities
	Nominal voltage	Nominal wattage	Color temperature	Nominal luminous flux	Diameter	Length	Lifespan	Base (standard designation)	Minimum diameter of lamp enclosure	Dimmable
64222 10 W 6 V	6 V	10.00 W	3050 K	150 lm	9 mm	44.0 mm	300 h	PG22	9 mm	Yes
64223 10 W 6 V	6 V	10.00 W	2900 K	150 lm	9 mm	38.0 mm	300 h	G4	9 mm	Yes
64225 10 W 6 V	6 V	10.00 W	3200 K	200 lm	9.5 mm	31.0 mm	100 h	G4	9 mm	Yes
64250 HLX	6 V	20.00 W	3350 K	460 lm	9 mm	31.0 mm	100 h	G4	9 mm	Yes
64251 HLX	6 V	20.00 W	3350 K	460 lm	9 mm	40.0 mm	100 h	PG22	9 mm	Yes
64265 HLX	6 V	30.00 W	3200 K	765 lm	9 mm	31.0 mm	100 h	G4	9 mm	Yes
64275 AX	6 V	35.00 W	3350 K	755 lm	9 mm	35.0 mm	50 h	G4	9 mm	Yes
64258 20 W 12 V	12.0 V	20.00 W	3050 K	335 lm	9.5 mm	30.0 mm	2000 h	G4	9 mm	Yes
64259 20 W 12 V	12.0 V	20.00 W			9.5 mm	30.0 mm	1500 h	G4	9 mm	Yes
64260 30 W 12 V	12.0 V	30.00 W	3300 K	800 lm	9 mm	40.0 mm	50 h	PG22	9 mm	Yes
64261 HLX	12.0 V	30.00 W	3300 K	750 lm	11.5 mm	44.0 mm	50 h	G6.35	12 mm	Yes
64602 50 W 12 V	12.0 V	50.00 W	3050 K	1000 lm	11.5 mm	44.0 mm	1100 h	G6.35	12 mm	Yes
64610 HLX	12.0 V	50.00 W	3350 K	1600 lm	11.5 mm	44.0 mm	50 h	G6.35	12 mm	Yes
64611 HLX	12.0 V	50.00 W	3250 K	1350 lm	11.5 mm	44.0 mm	100 h	G6.35	12 mm	Yes
62138 HLX	12.0 V	100.00 W	3350 K	3050 lm	11.5 mm	37.0 mm	50 h	G6.35	12 mm	Yes
64621 HLX	12.0 V	100.00 W	3300 K	2880 lm	11.5 mm	48.0 mm	2000 h	PG22	12 mm	Yes
64623 HLX	12.0 V	100.00 W	3300 K	2800 lm	11.5 mm	44.0 mm	2000 h	GY6.35	12 mm	Yes
64625 HLX	12.0 V	100.00 W	3450 K	3600 lm	11.5 mm	44.0 mm	50 h	GY6.35	12 mm	Yes
64628 100 W 12 V	12.0 V	100.00 W	3500 K	3420 lm	13.0 mm	57.0 mm	50 h	GY9.5	12 mm	Yes
64626 HLX <sup>1)</sup>	12.0 V	100.00 W	3450 K	3500 lm	11.5 mm	48.0 mm	50 h	PG22	12 mm	Yes
64291 XIR	22.8 V	40.00 W	3150 K	1200 lm	12.0 mm	44.0 mm	800 h	G6.35	12 mm	Yes
64650 50 W 22,8 V	22.8 V	50.00 W	3100 K	1150 lm	13.0 mm	44.0 mm	1200 h	G6.35	13 mm	Yes
64668 XIR	22.8 V	80.00 W	3250 K	3050 lm	14.0 mm	44.0 mm	400 h	G6.35	14 mm	Yes
64292 XIR	22.8 V	150.00 W	3250 K	6000 lm	14.0 mm	44.0 mm	600 h	G6.35	14 mm	Yes

## Product family datasheet

Product description	Electrical data		Photometrical data		Dimensions & weight		Lifespan	Additional product data		Capabilities
	Nominal voltage	Nominal wattage	Color temperature	Nominal luminous flux	Diameter	Length	Lifespan	Base (standard designation)	Minimum diameter of lamp enclosure	Dimmable
64638 HLX	24.0 V	100.00 W	3100 K	2970 lm	13.0 mm	50.0 mm	300 h	G6.35	14 mm	Yes
64647 120 W 24 V	24.0 V	120.00 W		3600 lm	13.0 mm	44.0 mm	700 h	G6.35	14 mm	Yes
64640 HLX	24.0 V	150.00 W	3450 K	6000 lm	11.5 mm	50.0 mm	50 h	G6.35	11 mm	Yes
64641 HLX	17.0 V	150.00 W			11.5 mm	50.0 mm	2000 h	G6.35	14 mm	Yes
64642 HLX	24.0 V	150.00 W	3450 K	5000 lm	11.5 mm	50.0 mm	300 h	G6.35	11 mm	Yes
64643 150 W 24 V	24.0 V	150.00 W	3450 K	5000 lm	15.0 mm	57.0 mm	100 h	GY9.5	14 mm	Yes
64652 HLX	24.0 V	250.00 W	3400 K	8200 lm	11.5 mm	46.0 mm	50 h	GX5.3	11 mm	Yes
64655 HLX	24.0 V	250.00 W	3550 K	10000 lm	12.5 mm	55.0 mm	50 h	G6.35	14 mm	Yes
64657 HLX	24.0 V	250.00 W		9000 lm	13.5 mm	55.0 mm	300 h	G6.35	14 mm	Yes
64656 HLX	24.0 V	275.00 W	3550 K	10000 lm	13.5 mm	55.0 mm	75 h	G6.35	14 mm	Yes
64654 HLX <sup>1)</sup>	24.0 V	250.00 W	3450 K	9000 lm	13.5 mm	68.0 mm	300 h	GY9.5	15 mm	Yes
64663 HLX	36.0 V	400.00 W	3250 K	16200 lm	15.0 mm	60.0 mm	50 h	G6.35	16 mm	Yes
64664 HLX	36.0 V	400.00 W	3500 K		18.0 mm	57.0 mm	150 h	G6.35	15 mm	Yes
64665 HLX	36.0 V	400.00 W	3300 K	12800 lm	18.0 mm	60.0 mm	300 h	G6.35	18 mm	Yes
64633 HLX	15.0 V	150.00 W	3450 K	5600 lm	11.5 mm	44.0 mm	50 h	G6.35	12 mm	Yes
62139 HLX	12.8 V	150.00 W			13.0 mm	50.0 mm	300 h	G6.35	11 mm	Yes

Product description	Burning position	Certificates & standards	Country specific categorizations
		EEI – Energy Label	Order reference
64222 10 W 6 V	Any	B	64222 10W 6V PG
64223 10 W 6 V	Any	B	64223 M/43 10W
64225 10 W 6 V	s90	B	64225
64250 HLX	Any	B	64250 HLX

## Product family datasheet

Product description	Burning position	Certificates & standards	Country specific categorizations
		EEI – Energy Label	Order reference
64251 HLX	Any	B	64251 HLX
64265 HLX	Any	B	64265 HLX
64275 AX	Any	C	64275 AX 35W 6V
64258 20 W 12 V	s90	C	64258 20W 12V G
64259 20 W 12 V	s90	B	64259 20W 12V G
64260 30 W 12 V	Any	B	64260 30W 12V P
64261 HLX	Any	B	64261 30W 12V G
64602 50 W 12 V	s90	C	64602 50W 12V G
64610 HLX	s90	B	64610 HLX
64611 HLX	s90	B	64611 HLX
62138 HLX	p90/p15	B	62138 HLX
64621 HLX	s90	B	64621 HLX
64623 HLX	s90	B	64623 HLX
64625 HLX	s90	B	64625 HLX
64628 100 W 12 V	s90	B	64628 100W 12V
64626 HLX <sup>1)</sup>	s90	B	64626 HLX
64291 XIR	h90	B	64291
64650 50 W 22,8 V	Any	C	64650 50W 22,8V
64668 XIR	h90	B	64668
64292 XIR	s90	B	64292
64638 HLX	Any	B	64638 HLX
64647 120 W 24 V	Any	B	64647 120W 24V
64640 HLX	s90	B	64640 HLX
64641 HLX	s135	B	64641 HLX

## Product family datasheet

Product description	Burning position	Certificates & standards	Country specific categorizations
		EEI – Energy Label	Order reference
64642 HLX	s90	B	64642 HLX
64643 150 W 24 V	s90	B	64643 150W 24V
64652 HLX	p90/p15	B	64652 HLX
64655 HLX	s90	B	64655 HLX
64657 HLX	s90	B	64657 HLX
64656 HLX	s90	B	64656 HLX
64654 HLX <sup>1)</sup>	s90	B	64654 HLX
64663 HLX	s90	B	64663 HLX
64664 HLX	s105	B	64664 HLX
64665 HLX	s90	B	64665 HLX
64633 HLX	s90	B	64633 HLX
62139 HLX	h90	B	62139 HLX

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

## Product family datasheet

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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.