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## HALOGEN CLASSIC B

Halogen lamps, classic mini-candle shape



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### Areas of application

- General illumination
- Dining table lighting
- Entrance lighting
- Restaurants, hotels and similar prestigious applications

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### Product benefits

- Simple direct replacement for conventional incandescent lamps
- The same pleasant quality of light as that of an incandescent lamp
- Instant 100 % light, no warm-up time
- Contains no mercury
- UV filter

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### Product features

- Average life: 2,000 h
- 100 % dimmable
- Perfect color rendering ( $R_a$ : 100)

# Product family datasheet

## Technical data

Product description	Electrical data						Photometrical data		
	Nominal wattage	Nominal voltage	Rated luminous flux	Rated wattage	Claimed equiv. conventional lamp power	Power factor $\lambda$	Nominal luminous flux	Color temperature	Color rendering index Ra
HAL CL B 20 W 230 V E14	20.0 W	230 V	235 lm	20.00 W	25 W	1.00	235 lm	2700 K	100
HAL CL B 20 W 230 V E14	20.0 W	230 V	235 lm	20.00 W	25 W	1.00	235 lm	2700 K	100
HAL CL B 20 W 240 V E14	20.0 W	240 V	235 lm	20.00 W	25 W	1.00	235 lm	2700 K	100
HAL CL B 20 W 240 V B22D	20.0 W	240 V	235 lm	20.00 W	25 W	1.00	235 lm	2700 K	100
HAL CL B 30 W 230 V E14	30.0 W	230 V	405 lm	30.00 W	40 W	1.00	405 lm	2700 K	100
HAL CL B 30 W 230 V E27	30.0 W	230 V	405 lm	30.00 W	40 W	1.00	405 lm	2700 K	100
HAL CL B 30 W 240 V E14	30.0 W	240 V	405 lm	30.00 W	40 W	1.00	405 lm	2700 K	100
HAL CL B 30 W 240 V B22D	30.0 W	240 V	405 lm	30.00 W		1.00	405 lm	2700 K	100
HAL CL B 46 W 230 V E14	46.0 W	230 V	700 lm	46.00 W	60 W	1.00	700 lm	2700 K	100
HAL CL B 46 W 230 V E27	46.0 W	230 V	700 lm	46.00 W	60 W	1.00	700 lm	2700 K	100
HAL CL B 42 W 240 V E14	46.0 W	240 V	700 lm	46.00 W	60 W	1.00	700 lm	2700 K	100
HAL CL B 46 W 240 V B22D	46.0 W	240 V	700 lm	46.00 W	60 W	1.00	700 lm	2700 K	100

Product description	Light technical data		Dimensions & weight			Lifespan				Additional product data
	Starting time	Warm-up time (60 %)	Diameter	Overall length	Light center length (LCL)	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen main. fact. at end of nom. life time	Base (standard designation)
HAL CL B 20 W 230 V E14	0.0 s	0.00 s	35.0 mm	104.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E14
HAL CL B 20 W 230 V E14	0.0 s	0.00 s	35.0 mm	104.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E14
HAL CL B 20 W 240 V E14	0.0 s	0.00 s	35.0 mm	104.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E14
HAL CL B 20 W 240 V B22D	0.0 s	0.00 s	35.0 mm	97.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	B22d
HAL CL B 30 W 230 V E14	0.0 s	0.00 s	35.0 mm	104.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E14

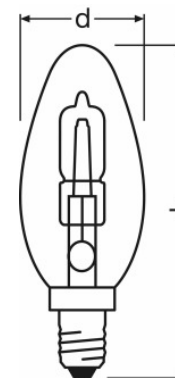
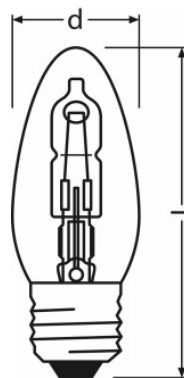
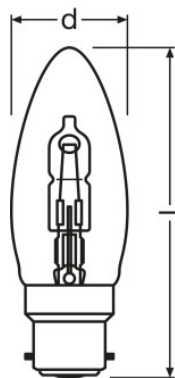
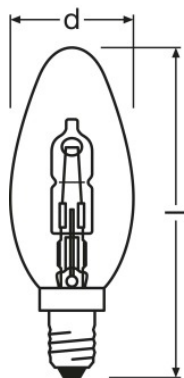
# Product family datasheet

Product description	Light technical data		Dimensions & weight			Lifespan				Additional product data
	Starting time	Warm-up time (60 %)	Diameter	Overall length	Light center length (LCL)	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen main. fact. at end of nom. life time	Base (standard designation)
HAL CL B 30 W 230 V E27	0.0 s	0.00 s	35.0 mm	98.5 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E27
HAL CL B 30 W 240 V E14	0.0 s	0.00 s	35.0 mm	104.0 mm	67.0 mm	1000 h	1000 h	50000 <sup>1)</sup>	0.80	E14
HAL CL B 30 W 240 V B22D	0.0 s	0.00 s	35.0 mm	97.0 mm	67.0 mm	1000 h	1000 h	50000 <sup>1)</sup>	0.80	B22d
HAL CL B 46 W 230 V E14	0.0 s	0.00 s	35.0 mm	104.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E14
HAL CL B 46 W 230 V E27	0.0 s	0.00 s	35.0 mm	98.5 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E27
HAL CL B 42 W 240 V E14	0.0 s	0.00 s	35.0 mm	104.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	E14
HAL CL B 46 W 240 V B22D	0.0 s	0.00 s	35.0 mm	97.0 mm	67.0 mm	2000 h	2000 h	50000 <sup>1)</sup>	0.80	B22d

Product description	Lamp mercury content	Mercury-free	Capabilities		Certificates & standards		Country specific categorizations
			Burning position	Dimmable	Energy efficiency class	Energy consumption	ILCOS
HAL CL B 20 W 230 V E14	0.0 mg	Yes	Any	Yes	D	20 kWh/1000h	HSGSB/C/UB-20-230-E14-67
HAL CL B 20 W 230 V E14	0.0 mg	Yes	Any	Yes	D	20 kWh/1000h	HSGSB/C/UB-20-230-E14-67
HAL CL B 20 W 240 V E14	0.0 mg	Yes	Any	Yes	D	20 kWh/1000h	HSGSB/C/UB-20-240-E14-67
HAL CL B 20 W 240 V B22D	0.0 mg	Yes	Any	Yes	D	20 kWh/1000h	HSGSB/C/UB-20-240-B22D-67
HAL CL B 30 W 230 V E14	0.0 mg	Yes	Any	Yes	D	30 kWh/1000h	HSGSB/C/UB-30-230-E14-67
HAL CL B 30 W 230 V E27	0.0 mg	Yes	Any	Yes	D	30 kWh/1000h	HSGSB/C/UB-30-230-E27-67
HAL CL B 30 W 240 V E14	0.0 mg	Yes	Any	Yes	D	30 kWh/1000h	HSGSB/C/UB-30-240-E14-67
HAL CL B 30 W 240 V B22D	0.0 mg	Yes	Any	Yes	D	30 kWh/1000h	HSGSB/C/UB-30-240-B22D-67
HAL CL B 46 W 230 V E14	0.0 mg	Yes	Any	Yes	D	46 kWh/1000h	HSGSB/C/UB-46-230-E14-67
HAL CL B 46 W 230 V E27	0.0 mg	Yes	Any	Yes	D	46 kWh/1000h	HSGSB/C/UB-46-230-E27-67
HAL CL B 42 W 240 V E14	0.0 mg	Yes	Any	Yes	D	46 kWh/1000h	HSGSB/C/UB-46-240-E14-67
HAL CL B 46 W 240 V B22D	0.0 mg	Yes	Any	Yes	D	46 kWh/1000h	HSGSB/C/UB-46-240-B22D-67

# Product family datasheet

1) At 1 min on / 3 min off



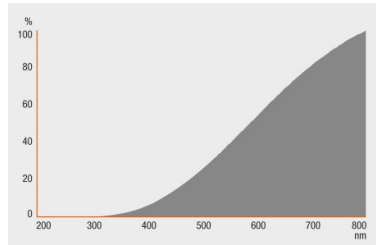
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HAL CL B 20 W 240 V B22D, HAL CL B 30 W 240 V B22D, HAL CL B 46 W 240 V B22D

HAL CL B 30 W 230 V E27, HAL CL B 46 W 230 V E27

HAL CL B 42 W 240 V E14

## Product family datasheet



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HAL CL B 20 W 230 V E14, HAL CL B 20 W 240 V E14, HAL CL B 20 W 240 V B22D, HAL CL B 30 W 230 V E14, HAL CL B 30 W 230 V E27, HAL CL B 30 W 240 V E14, HAL CL B 30 W 240 V B22D, HAL CL B 46 W 230 V E14, HAL CL B 46 W 230 V E27, HAL CL B 42 W 240 V E14, HAL CL B 46 W 240 V B22D

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### Application advice

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

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### Logistical Data

## Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899027206	HAL CL B 20 W 230 V E14	Shipping carton box 40	184 mm x 152 mm x 213 mm	5.96 dm <sup>3</sup>	941.00 g
4052899160088	HAL CL B 20 W 230 V E14	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm <sup>3</sup>	562.00 g
4008321927286	HAL CL B 20 W 230 V E14	Shipping carton box 25	191 mm x 117 mm x 191 mm	4.27 dm <sup>3</sup>	668.50 g
4008321927286	HAL CL B 20 W 230 V E14	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	570.00 g
4008321927286	HAL CL B 20 W 230 V E14	Shipping carton box 20	184 mm x 152 mm x 110 mm	3.08 dm <sup>3</sup>	520.00 g
4008321928511	HAL CL B 20 W 230 V E14	Shipping carton box 10	266 mm x 153 mm x 150 mm	6.10 dm <sup>3</sup>	365.50 g
4008321934307	HAL CL B 20 W 240 V E14	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	570.00 g
4008321934307	HAL CL B 20 W 240 V E14	Shipping carton box 5616	1199 mm x 799 mm x 852 mm	816.22 dm <sup>3</sup>	133584.00 g
4008321934291	HAL CL B 20 W 240 V B22D	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	686.00 g
4008321212153	HAL CL B 30 W 230 V E14	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	570.00 g
4008321212153	HAL CL B 30 W 230 V E14	Shipping carton box 25	191 mm x 117 mm x 191 mm	4.27 dm <sup>3</sup>	680.20 g
4008321212153	HAL CL B 30 W 230 V E14	Shipping carton box 24	230 mm x 85 mm x 207 mm	4.05 dm <sup>3</sup>	641.00 g
4008321212153	HAL CL B 30 W 230 V E14	Shipping carton box 20	184 mm x 152 mm x 110 mm	3.08 dm <sup>3</sup>	531.00 g
4008321212153	HAL CL B 30 W 230 V E14	Shipping carton box 20	184 mm x 152 mm x 110 mm	3.08 dm <sup>3</sup>	524.00 g

## Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321663719	HAL CL B 30 W 230 V E14	Shipping carton box 20	376 mm x 152 mm x 150 mm	8.57 dm <sup>3</sup>	566.00 g
4008321916310	HAL CL B 30 W 230 V E14	Shipping carton box 10	266 mm x 155 mm x 150 mm	6.18 dm <sup>3</sup>	420.00 g
4052899143074	HAL CL B 30 W 230 V E14	Shipping carton box 60	332 mm x 286 mm x 294 mm	27.92 dm <sup>3</sup>	1848.00 g
4008321984883	HAL CL B 30 W 230 V E27	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	576.00 g
4008321228802	HAL CL B 30 W 240 V E14	Shipping carton box 10	293 mm x 151 mm x 150 mm	6.64 dm <sup>3</sup>	420.00 g
4008321229304	HAL CL B 30 W 240 V E14	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	570.00 g
4008321229304	HAL CL B 30 W 240 V E14	Shipping carton box 25	191 mm x 191 mm x 117 mm	4.27 dm <sup>3</sup>	644.00 g
4052899205338	HAL CL B 30 W 240 V E14	Shipping carton box 40	184 mm x 150 mm x 213 mm	5.88 dm <sup>3</sup>	640.00 g
4008321229182	HAL CL B 30 W 240 V B22D	Shipping carton box 10	308 mm x 136 mm x 150 mm	6.28 dm <sup>3</sup>	450.88 g
4008321919045	HAL CL B 30 W 240 V B22D	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	648.33 g
4052899160101	HAL CL B 30 W 240 V B22D	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm <sup>3</sup>	680.00 g
4052899195875	HAL CL B 30 W 240 V B22D	Shipping carton box 40	184 mm x 150 mm x 213 mm	5.88 dm <sup>3</sup>	1200.00 g
4052899205314	HAL CL B 30 W 240 V B22D	Shipping carton box 40	184 mm x 150 mm x 213 mm	5.88 dm <sup>3</sup>	1232.00 g
4008321663733	HAL CL B 46 W 230 V E14	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm <sup>3</sup>	553.00 g

## Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321927309	HAL CL B 46 W 230 V E14	Shipping carton box 25	191 mm x 117 mm x 191 mm	4.27 dm <sup>3</sup>	675.00 g
4008321927309	HAL CL B 46 W 230 V E14	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	570.00 g
4008321927309	HAL CL B 46 W 230 V E14	Shipping carton box 20	184 mm x 152 mm x 110 mm	3.08 dm <sup>3</sup>	522.00 g
4008321928535	HAL CL B 46 W 230 V E14	Shipping carton box 10	266 mm x 155 mm x 150 mm	6.18 dm <sup>3</sup>	366.00 g
4052899170261	HAL CL B 46 W 230 V E14	Shipping carton box 40	184 mm x 150 mm x 213 mm	5.88 dm <sup>3</sup>	1000.00 g
4052899199880	HAL CL B 46 W 230 V E14	Shipping carton box 60	332 mm x 286 mm x 294 mm	27.92 dm <sup>3</sup>	1832.00 g
4008321984890	HAL CL B 46 W 230 V E27	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	576.00 g
4008321934338	HAL CL B 42 W 240 V E14	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	570.00 g
4008321934796	HAL CL B 42 W 240 V E14	Shipping carton box 10	266 mm x 156 mm x 150 mm	6.22 dm <sup>3</sup>	371.40 g
4008321934321	HAL CL B 46 W 240 V B22D	Shipping carton box 20	184 mm x 110 mm x 152 mm	3.08 dm <sup>3</sup>	642.20 g
4008321934789	HAL CL B 46 W 240 V B22D	Shipping carton box 10	266 mm x 155 mm x 150 mm	6.18 dm <sup>3</sup>	409.00 g
4052899160125	HAL CL B 46 W 240 V B22D	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm <sup>3</sup>	680.00 g
4052899195943	HAL CL B 46 W 240 V B22D	Shipping carton box 40	184 mm x 150 mm x 213 mm	5.88 dm <sup>3</sup>	1232.00 g



## Product family datasheet

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

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### References / Links

For an extended range for non-EU countries see

▶ [www.osram.com](http://www.osram.com)

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### Disclaimer

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