

PRODUCT FAMILY DATASHEET

HALOGEN CLASSIC P

Halogen lamps, classic mini-ball shape



AREAS OF APPLICATION

- General illumination
- Mood lighting
- Entrance lighting
- Mirror lighting

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

PRODUCT FEATURES

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

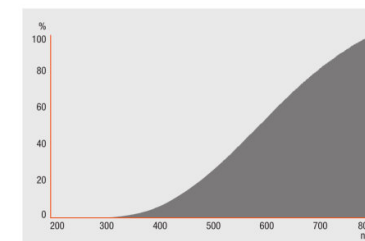
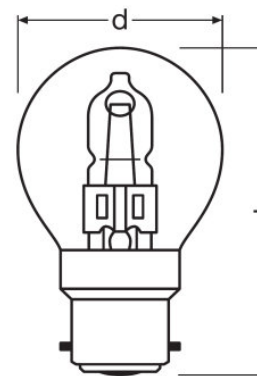
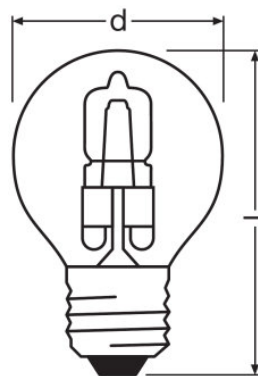
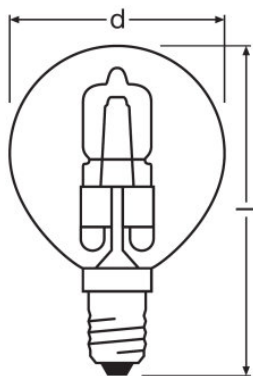
TECHNICAL DATA

Product description	Electrical data				Photometrical data				Light technical data		Dimensions & weight
	Nominal wattage	Nominal voltage	Rated wattage	Power factor λ	Nominal luminous flux	Color temperature	Color rendering index Ra	Lumen main.fact.at end of nom.life time	Starting time	Warm-up time (60 %)	Diameter
HAL CL P 20 W 230 V E14	20.00 W	230 V	20.00 W	1.00	235 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 20 W 230 V E27	20.00 W	230 V	20.00 W	1.00	235 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 20 W 240 V E14	20.00 W	240 V	20.00 W	1.00	235 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 20 W 240 V E27	20.00 W	240 V	20.00 W	1.00	235 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 30 W 230 V E14	30.00 W	230 V	30.00 W	1.00	405 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 30 W 230 V E27	30.00 W	230 V	30.00 W	1.00	405 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 30 W 240 V B22D	30.00 W	240 V	30.00 W	1.00	405 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 30 W 240 V E14	30.00 W	240 V	30.00 W	1.00	405 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 28 W 240 V E27	30.00 W	240 V	30.00 W	1.00	405 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 46 W 230 V E14	46.00 W	230 V	46.00 W	1.00	700 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 46 W 230 V E27	46.00 W	230 V	46.00 W	1.00	700 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 46 W 240 V B22D	46.00 W	240 V	46.00 W	1.00	700 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 46 W 240 V E14	46.00 W	240 V	46.00 W	1.00	700 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm
HAL CL P 46 W 240 V E27	46.00 W	240 V	46.00 W	1.00	700 lm	2700 K	100	0.80	0.0 s	0.00 s	45.0 mm

Product description	Overall length	Light center length (LCL)	Lifespan			Additional product data			Capabilities
			Nominal lamp life time	Rated lamp life time	Number of switching cycles	Base (standard designation)	Mercury content	Mercury-free	Burning position
HAL CL P 20 W 230 V E14	77.0 mm	60.0 mm	2000 h	2000 h	50000	E14	0.0 mg	Yes	Any
HAL CL P 20 W 230 V E27	74.0 mm	60.0 mm	2000 h	2000 h	50000	E27	0.0 mg	Yes	Any
HAL CL P 20 W 240 V E14	77.0 mm	60.0 mm	2000 h	2000 h	50000	E14	0.0 mg	Yes	Any
HAL CL P 20 W 240 V E27	74.0 mm	60.0 mm	2000 h	2000 h	50000	E27	0.0 mg	Yes	Any
HAL CL P 30 W 230 V E14	77.0 mm	60.0 mm	2000 h	2000 h	50000	E14	0.0 mg	Yes	Any
HAL CL P 30 W 230 V E27	74.0 mm	60.0 mm	2000 h	2000 h	50000	E27	0.0 mg	Yes	Any
HAL CL P 30 W 240 V B22D	72.5 mm	60.0 mm	2000 h	2000 h	50000	B22d	0.0 mg	Yes	Any
HAL CL P 30 W 240 V E14	77.0 mm	60.0 mm	2000 h	2000 h	50000	E14	0.0 mg	Yes	Any

Product description	Overall length	Light center length (LCL)	Lifespan			Additional product data			Capabilities
			Nominal lamp life time	Rated lamp life time	Number of switching cycles	Base (standard designation)	Mercury content	Mercury-free	Burning position
HAL CL P 28 W 240 V E27	74.0 mm	60.0 mm	2000 h	2000 h	50000	E27	0.0 mg	Yes	Any
HAL CL P 46 W 230 V E14	77.0 mm	60.0 mm	2000 h	2000 h	50000	E14	0.0 mg	Yes	Any
HAL CL P 46 W 230 V E27	74.0 mm	60.0 mm	2000 h	2000 h	50000	E27	0.0 mg	Yes	Any
HAL CL P 46 W 240 V B22D	72.5 mm	60.0 mm	2000 h	2000 h	50000	B22d	0.0 mg	Yes	Any
HAL CL P 46 W 240 V E14	77.0 mm	60.0 mm	2000 h	2000 h	50000	E14	0.0 mg	Yes	Any
HAL CL P 46 W 240 V E27	74.0 mm	60.0 mm	2000 h	2000 h	50000	E27	0.0 mg	Yes	Any

Product description	Dimmable	Certificates & standards		Country-specific categorizations
		Energy efficiency class	Energy consumption	ILCOS
HAL CL P 20 W 230 V E14	Yes	D	20 kWh/1000h	HSGSP/C/UB-20-230-E14-60
HAL CL P 20 W 230 V E27	Yes	D	20 kWh/1000h	HSGSP/C/UB-20-230-E27-60
HAL CL P 20 W 240 V E14	Yes	D	20 kWh/1000h	HSGSP/C/UB-20-240-E14-60
HAL CL P 20 W 240 V E27	Yes	D	20 kWh/1000h	HSGSP/C/UB-20-240-E27-60
HAL CL P 30 W 230 V E14	Yes	D	30 kWh/1000h	HSGSP/C/UB-30-230-E14-60
HAL CL P 30 W 230 V E27	Yes	D	30 kWh/1000h	HSGSP/C/UB-30-230-E27-60
HAL CL P 30 W 240 V B22D	Yes	D	30 kWh/1000h	HSGSP/C/UB-30-240-B22D-60
HAL CL P 30 W 240 V E14	Yes	D	30 kWh/1000h	HSGSP/C/UB-30-240-E14-60
HAL CL P 28 W 240 V E27	Yes	D	30 kWh/1000h	HSGSP/C/UB-30-240-E27-60
HAL CL P 46 W 230 V E14	Yes	D	46 kWh/1000h	HSGSP/C/UB-46-230-E14-60
HAL CL P 46 W 230 V E27	Yes	D	46 kWh/1000h	HSGSP/C/UB-46-230-E27-60
HAL CL P 46 W 240 V B22D	Yes	D	46 kWh/1000h	HSGSP/C/UB-46-240-B22D-60
HAL CL P 46 W 240 V E14	Yes	D	46 kWh/1000h	HSGSP/C/UB-46-240-E14-60
HAL CL P 46 W 240 V E27	Yes	D	46 kWh/1000h	HSGSP/C/UB-46-240-E27-60



HAL CL P 20 W 230 V E14, HAL CL P 20 W 240 V E14, HAL CL P 30 W 230 V E14, HAL CL P 30 W 240 V E14, HAL CL P 46 W 230 V E14, HAL CL P 46 W 240 V E14

HAL CL P 20 W 230 V E27, HAL CL P 20 W 240 V E27, HAL CL P 30 W 230 V E27, HAL CL P 28 W 240 V E27, HAL CL P 46 W 230 V E27, HAL CL P 46 W 240 V E27

HAL CL P 30 W 240 V B22D, HAL CL P 46 W 240 V B22D

HAL CL P 20 W 230 V E14, HAL CL P 20 W 230 V E27, HAL CL P 20 W 240 V E14, HAL CL P 20 W 240 V E27, HAL CL P 30 W 230 V E14, HAL CL P 30 W 230 V E27, HAL CL P 30 W 240 V B22D, HAL CL P 30 W 240 V E14, HAL CL P 28 W 240 V E27, HAL CL P 46 W 230 V E14, HAL CL P 46 W 230 V E27, HAL CL P 46 W 240 V B22D, HAL CL P 46 W 240 V E14, HAL CL P 46 W 240 V E27

APPLICATION ADVICE

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

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321927446	HAL CL P 20 W 230 V E14	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	562.00 g

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321928672	HAL CL P 20 W 230 V E14	Shipping carton box 10	314 mm x 155 mm x 150 mm	7.30 dm ³	394.93 g
4052899159730	HAL CL P 20 W 230 V E14	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	541.00 g
4052899170537	HAL CL P 20 W 230 V E14	Shipping carton box 40	235 mm x 170 mm x 163 mm	6.51 dm ³	977.00 g
4008321927569	HAL CL P 20 W 230 V E27	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	590.00 g
4008321952745	HAL CL P 20 W 230 V E27	Shipping carton box 10	314 mm x 154 mm x 134 mm	6.48 dm ³	408.93 g
4052899159778	HAL CL P 20 W 230 V E27	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	547.00 g
4052899170629	HAL CL P 20 W 230 V E27	Shipping carton box 40	235 mm x 170 mm x 163 mm	6.51 dm ³	977.00 g
4008321797049	HAL CL P 20 W 240 V E14	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	562.00 g
4008321797049	HAL CL P 20 W 240 V E14	Shipping carton box 4410	1199 mm x 799 mm x 852 mm	816.22 dm ³	177188.00 g
4008321797063	HAL CL P 20 W 240 V E27	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	590.00 g
4008321797063	HAL CL P 20 W 240 V E27	Shipping carton box 4410	1199 mm x 799 mm x 852 mm	816.22 dm ³	108000.00 g
4008321927460	HAL CL P 30 W 230 V E14	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	562.00 g
4008321928696	HAL CL P 30 W 230 V E14	Shipping carton box 10	314 mm x 155 mm x 150 mm	7.30 dm ³	394.93 g
4052899054820	HAL CL P 30 W 230 V E14	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	561.00 g
4052899170582	HAL CL P 30 W 230 V E14	Shipping carton box 40	235 mm x 170 mm x 163 mm	6.51 dm ³	956.00 g
4008321927583	HAL CL P 30 W 230 V E27	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	590.00 g

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321952769	HAL CL P 30 W 230 V E27	Shipping carton box 10	314 mm x 154 mm x 134 mm	6.48 dm ³	362.00 g
4052899159792	HAL CL P 30 W 230 V E27	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	555.00 g
4052899170643	HAL CL P 30 W 230 V E27	Shipping carton box 40	235 mm x 170 mm x 163 mm	6.51 dm ³	958.00 g
4008321952936	HAL CL P 30 W 240 V B22D	Shipping carton box 10	314 mm x 155 mm x 150 mm	7.30 dm ³	466.93 g
4008321952950	HAL CL P 30 W 240 V B22D	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	706.00 g
4052899159839	HAL CL P 30 W 240 V B22D	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	657.00 g
4008321952851	HAL CL P 30 W 240 V E14	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	562.00 g
4008321952912	HAL CL P 28 W 240 V E27	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	590.00 g
4008321927484	HAL CL P 46 W 230 V E14	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	562.00 g
4008321928719	HAL CL P 46 W 230 V E14	Shipping carton box 10	314 mm x 155 mm x 150 mm	7.30 dm ³	394.93 g
4052899159754	HAL CL P 46 W 230 V E14	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	550.00 g
4052899170605	HAL CL P 46 W 230 V E14	Shipping carton box 40	235 mm x 170 mm x 163 mm	6.51 dm ³	968.00 g
4008321927606	HAL CL P 46 W 230 V E27	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	590.00 g
4008321952783	HAL CL P 46 W 230 V E27	Shipping carton box 10	314 mm x 154 mm x 150 mm	7.25 dm ³	408.93 g
4052899159815	HAL CL P 46 W 230 V E27	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	551.00 g
4052899170667	HAL CL P 46 W 230 V E27	Shipping carton box 40	235 mm x 170 mm x 163 mm	6.51 dm ³	988.00 g

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321952974	HAL CL P 46 W 240 V B22D	Shipping carton box 10	314 mm x 155 mm x 150 mm	7.30 dm ³	466.93 g
4008321952998	HAL CL P 46 W 240 V B22D	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	706.00 g
4052899159853	HAL CL P 46 W 240 V B22D	Shipping carton box 20	376 mm x 136 mm x 150 mm	7.67 dm ³	668.00 g
4052899195622	HAL CL P 46 W 240 V B22D	Shipping carton box 40	235 mm x 170 mm x 163 mm	6.51 dm ³	1252.00 g
4008321952875	HAL CL P 46 W 240 V E14	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	562.00 g
4008321754950	HAL CL P 46 W 240 V E27	Shipping carton box 20	235 mm x 85 mm x 193 mm	3.86 dm ³	590.00 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.

DISCLAIMER

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