

PRODUCT DATASHEET

HWL 500 W 220...230 V E40

HWL® | Mercury mixed-light lamps for open and enclosed luminaires



Areas of application

- Factory and hall lighting with low-cost installations
- Upgrading light fittings with high-wattage incandescent lamps
- Factories and workshops
- Pedestrian zones, public squares
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- HWL® lamps can be used instead of incandescent lamps because they do not need either control gear or igniters

TECHNICAL DATA

Electrical data

Nominal wattage	500 W
Construction wattage	498.90 W
Nominal voltage	220...230 V
Ignition voltage	0.198 kVp
Operating mode	No control gear or ignitor required
Nominal current	2.4 A

Photometrical data

Luminous flux	14000 lm
Luminous efficacy	27 lm/W
Color temperature	3700 K
Color rendering index Ra	46
Light color	437
Rated LLMF at 2,000 h	0.93
Rated LLMF at 4,000 h	0.88
Rated LLMF at 6,000 h	0.86
Rated lamp efficacy (standard co.)	29 lm/W

Dimensions & Weight

Overall length	292.00 mm
Light center length (LCL)	175,0 mm
Diameter	122 mm
Product weight	245.2 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	380 °C
Maximum permitted base edge temperature	250 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.98
Rated lamp survival factor at 4,000 h	0.95
Rated lamp survival factor at 6,000 h	0.91
Rated lamp survival factor at 8,000 h	0.86
Rated lamp survival factor at 12,000 h	0.76

Rated lamp survival factor at 16,000	0.66
Rated lamp survival factor at 20,000 h	0.55
Lifespan B5	1500 h
Lifespan B50	10000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
Mercury content	41.1 mg
Design / version	Coated
Product remark	No control gear and no igniter required / Phased out in the EU as non ErP compliant according to EU directive 245/2009

Capabilities

Dimmable	No
Burning position	hs45
Enclosed luminaire required	No

Certificates & Standards

Energy efficiency class	B
Energy consumption	530.00 kWh/1000h

Country-specific categorizations

ILCOS	QB/R-500/40/2B-E225-E40-122/275
Order reference	HWL 500W 220-23

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E40
Length	292.00 mm
Height	122 mm
Width	122 mm

DOWNLOAD DATA

Documents and certificates



User instruction

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321001894	Round wrap 1	125 mm x 125 mm x 295 mm	295.00 g	4.61 dm ³
4008321001900	Shipping box 12	493 mm x 378 mm x 314 mm	4380.00 g	58.52 dm ³

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.