

## PRODUCT DATASHEET

### HWL 160 W 220...230 V E27

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	160 W
Construction wattage	175.00 W
Nominal voltage	220...230 V
Ignition voltage	0.198 kVp
Operating mode	No control gear or ignitor required
Nominal current	0.81 A

### Photometrical data

Luminous flux	3100 lm
Color temperature	3500 K
Color rendering index Ra	62
Light color	635
Rated LLMF at 2,000 h	0.93
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.87
Rated LLMF at 8,000 h	0.85
Rated lamp efficacy (standard co.)	18 lm/W
UV protection	No

### Dimensions & Weight

Overall length	168.00 mm
Diameter	76 mm
Maximum diameter	76 mm
Product weight	65.00 g

### Temperatures & operating conditions

Maximum permitted outer bulb temperature	310 °C
Maximum permitted base edge temperature	210 °C

### Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.94
Rated lamp survival factor at 6,000 h	0.86
Rated lamp survival factor at 8,000 h	0.75

Rated lamp survival factor at 12,000 h	0.46
Lifespan B50	10000 h
Operation mode LLMF/LSF	50 Hz

### Additional product data

Base (standard designation)	E27
Mercury content	16.2 mg
Mercury-free	No
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	hs30
Enclosed luminaire required	No

### Certificates & Standards

Energy efficiency class	D
Energy consumption	192.50 kWh/1000h


### Country-specific categorizations

ILCOS	QB/R-160-E225-E27-76/168
Order reference	HWL 160W 220-23

### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	168.00 mm
Height	76 mm
Width	76 mm

### DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	High-Intensity-Discharge lamps. Operation instructions

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300015453	Round wrap 1	180 mm x 80 mm x 80 mm	79.90 g	1.15 dm <sup>3</sup>
4050300216478	Shipping box 40	395 mm x 310 mm x 374 mm	3.87 g	45.80 dm <sup>3</sup>

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.