

PRODUCT DATASHEET

HQL 80 W E27

HQL® | Mercury vapor lamps for open and enclosed luminaires



Areas of application

- Factories and workshops
- Industrial installations
- Streets
- Car parks, courtyards
- Pedestrian zones, public squares
- Parks and gardens
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires



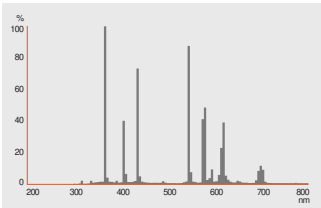
TECHNICAL DATA

Electrical data

Nominal wattage	80 W
Construction wattage	80.00 W
Nominal voltage	115 V
Ignition voltage	0.198 kVp
Operating mode	Conventional control gear (CCG) without ignitor
Nominal current	800 mA
PFC capacitor at 50 Hz	8 µF

Photometrical data

Luminous flux	3800 lm
Luminous efficacy	48 lm/W
Color temperature	4100 K
Color rendering index Ra	50
Light color	541
Rated LLMF at 2,000 h	0.88
Rated LLMF at 4,000 h	0.83
Rated LLMF at 6,000 h	0.78
Rated LLMF at 8,000 h	0.75
Rated LLMF at 12,000 h	0.70
Rated LLMF at 16,000 h	0.65
Rated lamp efficacy (standard co.)	48 lm/W
UV protection	No



384080_HQL

Dimensions & Weight

Overall length	155.00 mm
Diameter	71 mm
Product weight	56.00 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	0.97
Rated lamp survival factor at 6,000 h	0.95
Rated lamp survival factor at 8,000 h	0.90
Rated lamp survival factor at 12,000 h	0.75
Rated lamp survival factor at 16,000	0.68
Rated lamp survival factor at 20,000 h	0.60
Lifespan B10	8000 h
Lifespan B5	6000 h
Lifespan B50	24000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E27
Mercury content	14.6 mg
Mercury-free	No
Design / version	Coated
Product remark	As of April 2015 not compliant with ErP directive 245/2009

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

Certificates & Standards

Energy efficiency class	B
Energy consumption	88.00 kWh/1000h



Country-specific categorizations

ILCOS	QE/R-80-H/E/S-E27-71/155
Order reference	HQL 80W E27

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	155.00 mm
Height	71 mm
Width	71 mm

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	High-Intensity-Discharge lamps. Operation instructions
Photometric and lighting design files		Document name
	Spectral power distribution	384080_HQL

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300012360	Round wrap 1	165 mm x 75 mm x 75 mm	71.00 g	0.93 dm ³
4050300213200	Shipping box 40	424 mm x 355 mm x 356 mm	3742.57 g	53.59 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.