

PRODUCT DATASHEET

HQL 400 W E40

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



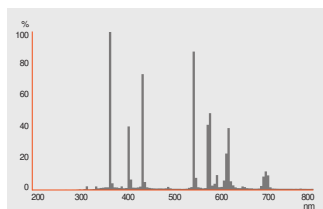
TECHNICAL DATA

Electrical data

Nominal wattage	400 W
Construction wattage	400.00 W
Nominal voltage	135 V
Ignition voltage	0.198 kVp
Operating mode	Conventional control gear (CCG) without ignitor
Nominal current	3.25 A
PFC capacitor at 50 Hz	25 µF

Photometrical data

Luminous flux	22000 lm
Luminous efficacy	55 lm/W
Color temperature	3800 K
Color rendering index Ra	39
Light color	338
Rated LLMF at 2,000 h	0.93
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.88
Rated LLMF at 8,000 h	0.85
Rated LLMF at 12,000 h	0.79
Rated LLMF at 16,000 h	0.75
Rated LLMF at 20,000 h	0.70
Rated lamp efficacy (standard co.)	55 lm/W
UV protection	No



384080_HQL

Dimensions & Weight

Overall length	285.00 mm
Diameter	122 mm
Product weight	242.00 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	0.99
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)	E40
Mercury content	63.2 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	440.00 kWh/1000h


Country-specific categorizations


ILCOS	QE/R-400-H/E/S-E40-122/285
Order reference	HQL 400W E40

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E40
Length	285.00 mm
Height	122 mm
Width	122 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
4050300015071	Round wrap 1	295 mm x 125 mm x 125 mm	298.00 g	4.61 dm ³
4050300808512	Shipping box 6	375 mm x 319 mm x 263 mm	2280.00 g	31.46 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.