

HQL 80 W E27

HQL | High intensity discharge lamps



- Factories and workshops
- Industrial installations
- Streets
- Car parks, courtyards
- Pedestrian zones, public squares
- Parks and gardens



Technical data

Electrical data

Nominal wattage	80 W
PFC capacitor at 50 Hz	8.0 μF ¹⁾
Rated wattage	80.1 W
Lamp current	0.8 A
Rated lamp efficacy (standard condition)	46 lm/W

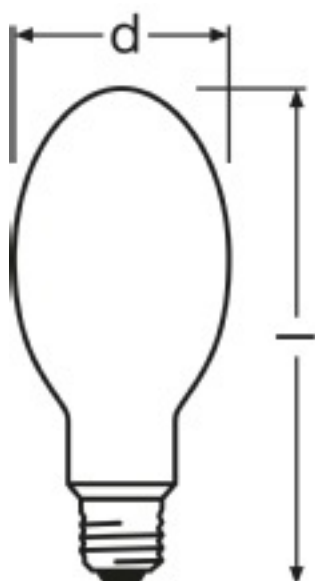
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

Light technical data

Nominal luminous flux	3600 lm
Color temperature	4000 K
Color rendering group	3
Rated luminous flux	3600 lm
Color rendering index Ra	51
Luminance	5 cd/cm ²
Rated LLMF at 2,000 h	0.94
Rated LLMF at 4,000 h	0.91
Rated LLMF at 6,000 h	0.89
Rated LLMF at 8,000 h	0.88
Rated LLMF at 12,000 h	0.88
Rated LLMF at 16,000 h	0.88
Rated LLMF at 20,000 h	0.85

Dimensions & weight

Diameter	71.0 mm
Length	155.0 mm



Product line drawing with letters



E27
IEC 7004-21

Base



E 27

Base

Colors & materials

Lamp mercury content	14.6 mg
Mercury-free	No

Temperatures

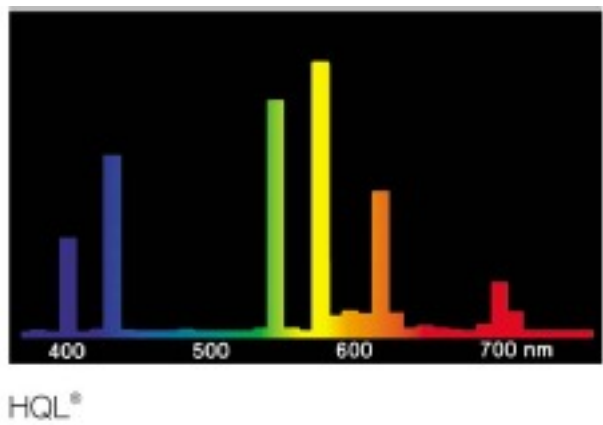
Maximum permitted outer bulb temperature	310 °C
Maximum permitted base edge temperature	210 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.99
Rated lamp survival factor at 8,000 h	0.99
Rated lamp survival factor at 12,000 h	0.99
Rated lamp survival factor at 16,000 h	0.96
Rated lamp survival factor at 20,000 h	0.70
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E27
Design / version	Coated



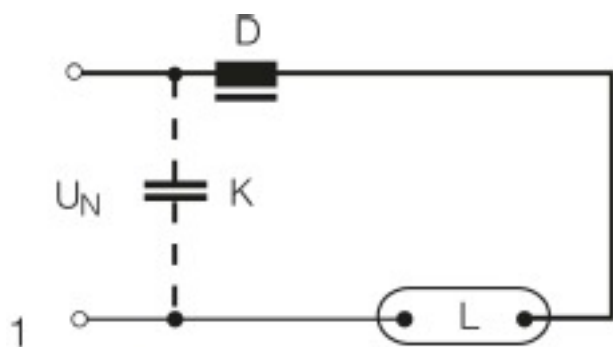
Spectral power distribution

Capabilities

Dimmable	No
Burning position	Any

Country specific categorizations

ILCOS	QE/R-80/41/3-H-E27-71/155
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Circuit diagram

Logistical Data

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

Disclaimer

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