
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



Product family datasheet

Technical data

Product description	Electrical data						Photometrical data			
	Nominal wattage	Rated wattage	Lamp current	Nominal voltage	Ignition voltage	Rated lamp efficacy (standard condition)	Rated luminous flux	Color rendering index Ra	Color temperature	Rated LLMF at 2,000 h
HQL 50 W E27 ¹⁾	50.00 W	50.00 W	0.61 A	95.0 V	0.198 kVp	36 lm/W	1800 lm	50	4200 K	0.93
HQL 80 W E27 ¹⁾	80.00 W	80.00 W	0.8 A	115 V	0.198 kVp	48 lm/W	3800 lm	50	4100 K	0.88
HQL 125 W E27 ¹⁾	125.00 W	125.00 W	1.15 A	125 V	0.198 kVp	50 lm/W	6300 lm	50	4000 K	0.90
HQL 400 W E40 ¹⁾	400.00 W	400.00 W	3.25 A	135 V	0.198 kVp	55 lm/W	22000 lm	39	3800 K	0.93

Product description	Electrical data						Dimensions & weight			Temperatures & operating conditions		Lifespan
	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h	Rated LLMF at 8,000 h	Rated LLMF at 12,000 h	Rated LLMF at 16,000 h	Rated LLMF at 20,000 h	Diameter	Length	Product weight	Max. permitted outer bulb temperature	Max. permitted edge temperature	Rated lamp survival factor at 2,000 h
HQL 50 W E27 ¹⁾	0.90	0.88	0.86	0.80	0.78	0.75	56.0 mm	130.0 mm	40.00 g	310 °C	210 °C	0.99
HQL 80 W E27 ¹⁾	0.83	0.78	0.75	0.70	0.65		71.0 mm	155.0 mm	56.00 g	310 °C	210 °C	0.99
HQL 125 W E27 ¹⁾	0.85	0.77	0.75	0.69	0.63		76.0 mm	168.0 mm	62.00 g	310 °C	210 °C	0.99
HQL 400 W E40 ¹⁾	0.90	0.88	0.85	0.79	0.75	0.70	122.0 mm	285.0 mm	242.00 g	380 °C	250 °C	0.99

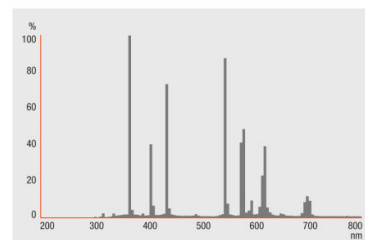
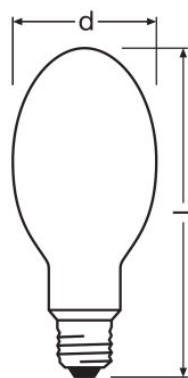
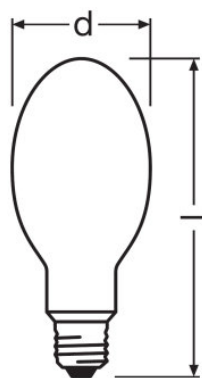
Product description	Electrical data						Lifespan				Additional product data	
	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h	Rated lamp survival factor at 12,000 h	Rated lamp survival factor at 16,000 h	Rated lamp survival factor at 20,000 h	Lifespan B50	Lifespan B10	Lifespan B5	Operation mode LLMF/LSF	Base (standard designation)	Design / version
HQL 50 W E27 ¹⁾	0.97	0.95	0.90	0.75	0.68	0.60	24000 h	8000 h	6000 h	50 Hz	E27	Coated
HQL 80 W E27 ¹⁾	0.97	0.95	0.90	0.75	0.68	0.60	24000 h	8000 h	6000 h	50 Hz	E27	Coated

Product family datasheet

Product description	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h	Rated lamp survival factor at 12,000 h	Rated lamp survival factor at 16,000 h	Rated lamp survival factor at 20,000 h	Lifespan B50	Lifespan B10	Lifespan B5	Operation mode LLMF/LSF	Additional product data	
											Base (standard designation)	Design / version
HQL 125 W E27 ¹⁾	0.97	0.95	0.90	0.75	0.68	0.60	24000 h	8000 h	6000 h	50 Hz	E27	Coated
HQL 400 W E40 ¹⁾	0.97	0.95	0.90	0.75	0.68	0.60	24000 h	8000 h	6000 h	50 Hz	E40	Coated

Product description	Mercury content	Capabilities			Certificates & standards		Country specific categorizations
		Dimmable	Burning position	Enclosed luminaire required	Energy efficiency class	Energy consumption	ILCOS
HQL 50 W E27 ¹⁾	12.3 mg	No	Any	No	B	55 kWh/1000h	QE/R-50-H/E/S-E27-56/130
HQL 80 W E27 ¹⁾	14.6 mg	No	Any	No	B	88 kWh/1000h	QE/R-80-H/E/S-E27-71/155
HQL 125 W E27 ¹⁾	21.8 mg	No	Any	No	B	138 kWh/1000h	QE/R-125-H/E/S-E27-76/168
HQL 400 W E40 ¹⁾	63.2 mg	No	Any	No	B	440 kWh/1000h	QE/R-400-H/E/S-E40-122/285

¹⁾ As of April 2015 not compliant with ErP directive 245/2009



Product family datasheet

HQL 50 W E27, HQL 80 W E27, HQL
125 W E27

HQL 400 W E40

HQL 50 W E27, HQL 80 W E27, HQL
125 W E27, HQL 400 W E40

Application advice

For more detailed application information and graphics please see product datasheet.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300015040	HQL 50 W E27	Shipping carton box 40	356 mm x 296 mm x 302 mm	31.82 dm ³	2438.33 g
4050300012360	HQL 80 W E27	Shipping carton box 40	424 mm x 355 mm x 356 mm	53.59 dm ³	3742.57 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300012377	HQL 125 W E27	Shipping carton box 40	451 mm x 392 mm x 393 mm	69.48 dm ³	4352.00 g
4050300015071	HQL 400 W E40	Shipping carton box 6	375 mm x 319 mm x 263 mm	31.46 dm ³	2280.00 g

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.