
POWERSTAR HQI-E coated

Metal halide lamps for open and enclosed luminaires



Areas of application

- Shopping arcades
- Conference rooms, auditoriums, libraries
- Factories and workshops
- Exhibition halls and trade fairs
- Rail stations, overground and underground
- Pedestrian zones, public squares
- Outdoor applications only in suitable luminaires

Product benefits

- E27 or E40 screw base for simple lamp handling
- Different light colors

Benefits of OSRAM UV filter technology

- Reduced material stress within the luminaire
- The UV filter on the lamp complies with the requirements of IEC 61167



Product family datasheet

Technical data

Product description	Electrical data						Photometrical data				
	Nominal wattage	Rated wattage	Lamp current	PFC capacitor at 50 Hz	Ignition voltage	Rated lamp efficacy (standard condition)	Rated luminous flux	Color rendering index Ra	Color temperature	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h
HQI-E 70 W/WDL CO	70.00 W	70.00 W	1.0 A	12 µF ¹⁾	3.6 / 5.0 kVp ²⁾	67 lm/W	4700 lm	75	2900 K	0.61	0.49
HQI-E 70 W/NDL CO	70.00 W	70.00 W	1.0 A	12 µF ¹⁾	3.6 / 5.0 kVp ²⁾	73 lm/W	5100 lm	82	4000 K	0.80	0.76
HQI-E 100 W/WDL CO	100.00 W	100.00 W	1.1 A	16 µF ¹⁾	3.6 / 5.0 kVp ²⁾	79 lm/W	8000 lm	75	3000 K	0.66	0.62
HQI-E 100 W/NDL CO	100.00 W	100.00 W	1.1 A	16 µF ¹⁾	3.6 / 5.0 kVp ²⁾	77 lm/W	7700 lm	82	4000 K	0.79	0.69
HQI-E 150 W/WDL CO	150.00 W	150.00 W	1.8 A	20 µF ¹⁾	3.6 / 5.0 kVp ²⁾	73 lm/W	11600 lm	75	2900 K	0.76	0.66
HQI-E 150 W/NDL CO	150.00 W	150.00 W	1.8 A	20 µF ¹⁾	3.6 / 5.0 kVp ²⁾	73 lm/W	9500 lm	88	4000 K	0.83	0.75

Product description				Dimensions & weight			Temperatures & operating conditions		Lifespan			
	Rated LLMF at 6,000 h	Rated LLMF at 8,000 h	UV protection	Diameter	Length	Product weight	Max. permitted outer bulb temperature	Max. permitted edge temperature	Rated lamp survival factor at 2,000 h	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h
HQI-E 70 W/WDL CO	0.47	0.46	Yes	55.0 mm	141.0 mm	75.43 g	330 °C	210 °C	0.99	0.97	0.95	0.85
HQI-E 70 W/NDL CO	0.73		Yes	55.0 mm	141.0 mm	74.53 g	330 °C	210 °C	0.99	0.94	0.50	
HQI-E 100 W/WDL CO	0.52	0.41	Yes	55.0 mm	141.0 mm	81.33 g	330 °C	210 °C	0.99	0.99	0.97	0.90
HQI-E 100 W/NDL CO	0.66		Yes	55.0 mm	141.0 mm	76.20 g	330 °C	210 °C	0.99	0.94	0.50	
HQI-E 150 W/WDL CO	0.48	0.41	Yes	55.0 mm	141.0 mm	79.43 g	400 °C	210 °C	0.99	0.99	0.91	0.85
HQI-E 150 W/NDL CO	0.71		Yes	55.0 mm	141.0 mm	78.83 g	330 °C	210 °C	1.00	0.90	0.50	

Product family datasheet

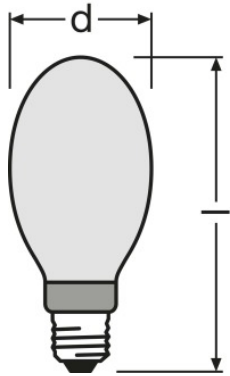
Product description	Lifespan B50	Additional product data			Capabilities			Certificates & standards	
		Base (standard designation)	Design / version	Mercury content	Dimmable	Burning position	Enclosed luminaire required	Energy efficiency class	Energy consumption
HQI-E 70 W/WDL CO	10000 h	E27	Coated	12.0 mg	No	Any	No	A	77 kWh/1000h
HQI-E 70 W/NDL CO	6000 h	E27	Coated	8.0 mg	No	Any	No	A	77 kWh/1000h
HQI-E 100 W/WDL CO	10000 h	E27	Coated	11.2 mg	No	Any	No	A	110 kWh/1000h
HQI-E 100 W/NDL CO	6000 h	E27	Coated	8.0 mg	No	Any	No	A	110 kWh/1000h
HQI-E 150 W/WDL CO	10000 h	E27	Coated	16.3 mg	No	Any	No	A	165 kWh/1000h
HQI-E 150 W/NDL CO	6000 h	E27	Coated	8.9 mg	No	Any	No	A	165 kWh/1000h

Product description	Country specific categorizations
	ILCOS
HQI-E 70 W/WDL CO	MES/UB-150/730-H/E/SL-E27-56/141
HQI-E 70 W/NDL CO	MES/UB-70/842-H/E/SL-E27-56/141
HQI-E 100 W/WDL CO	MES/UB-100/730-H/E/SL-E27-56/141
HQI-E 100 W/NDL CO	MES/UB-100/842-H/E/SL-E27-56/141
HQI-E 150 W/WDL CO	MES/UB-150/730-H/E/SL-E27-56/141
HQI-E 150 W/NDL CO	MES/UB-150/842-H/E/SL-E27-56/141

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

²⁾ Minimum

Product family datasheet



HQI-E 70 W/WDL CO, HQI-E 70 W/NDL
CO, HQI-E 100 W/WDL CO, HQI-E 100
W/NDL CO, HQI-E 150 W/WDL CO,
HQI-E 150 W/NDL CO

Safety advice

NAV 100 W chokes and HQI 150 W igniters are suitable for operating HQI-E 100 W lamps.

Application advice

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

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300397801	HQI-E 70 W/WDL CO	Shipping carton box 20	355 mm x 207 mm x 294 mm	21.60 dm ³	2606.00 g
4050300397849	HQI-E 70 W/NDL CO	Shipping carton box 20	355 mm x 186 mm x 294 mm	19.41 dm ³	2576.00 g
4050300351551	HQI-E 100 W/WDL CO	Shipping carton box 20	355 mm x 186 mm x 294 mm	19.41 dm ³	2548.25 g
4050300345833	HQI-E 100 W/NDL CO	Shipping carton box 20	355 mm x 186 mm x 294 mm	19.41 dm ³	2572.00 g
4050300433998	HQI-E 150 W/WDL CO	Shipping carton box 20	355 mm x 186 mm x 294 mm	19.41 dm ³	2542.00 g
4050300434032	HQI-E 150 W/NDL CO	Shipping carton box 20	355 mm x 186 mm x 294 mm	19.41 dm ³	2536.40 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.