

PRODUCT FAMILY DATASHEET

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

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

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TECHNICAL DATA

Product description	Electrical data					Photometrical data					
	Rated wattage	Lamp current	PFC capacitor at 50 Hz	Nominal wattage	Ignition voltage	Rated lamp efficacy (standard condition)	Rated luminous flux	Color temperature	Light color	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h
HQI-E 100 W/WDL CO	100.00 W	1.1 A	16 µF ¹⁾	100.00 W	3.6 / 5.0 kVp ²⁾	77 lm/W	7700 lm	3100 K	731	0.66	0.62
HQI-E 100 W/NDL CO	100.00 W	1.1 A	16 µF ¹⁾	100.00 W	3.6 / 5.0 kVp ²⁾	77 lm/W	7700 lm	4300 K	843	0.79	0.69
HQI-E 150 W/WDL CO	150.00 W	1.8 A	20 µF ¹⁾	150.00 W	3.6 / 5.0 kVp ²⁾	73 lm/W	11600 lm	2900 K	729	0.76	0.66
HQI-E 150 W/NDL CO	150.00 W	1.8 A	20 µF ¹⁾	150.00 W	3.6 / 5.0 kVp ²⁾	73 lm/W		4000 K	840	0.83	0.75

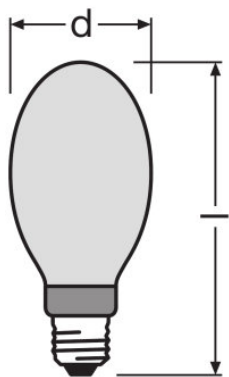
Product description	Rated LLMF at 6,000 h	Rated LLMF at 8,000 h	UV protection	Luminous flux	Color rendering index Ra	Light color (designation)	Dimensions & weight			Temperatures & operating conditions		Lifespan
							Diameter	Length	Product weight	Max. permitted outer bulb temperature	Max. permitted edge temperature	Rated lamp survival factor at 2,000 h
HQI-E 100 W/WDL CO	0.52	0.41	Yes	7900 lm	73		55.0 mm	144.0 mm	81.33 g	330 °C	210 °C	0.99
HQI-E 100 W/NDL CO	0.66		Yes	7700 lm	84		55.0 mm	144.0 mm	76.20 g	330 °C	210 °C	0.99
HQI-E 150 W/WDL CO	0.48	0.41	Yes	11600 lm	75	Warm White DE LUXE	55.0 mm	141.0 mm	79.43 g	400 °C	210 °C	0.99
HQI-E 150 W/NDL CO	0.71		Yes	11500 lm	88	Neutral White DE LUXE	55.0 mm	141.0 mm	78.83 g	330 °C	210 °C	0.99

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	Lifespan B50	Additional product data			Capabilities		
					Base (standard designation)	Design / version	Mercury content	Dimmable	Burning position	Enclosed luminaire required
HQI-E 100 W/WDL CO	0.99	0.97	0.90	10000 h	E27	Coated	11.2 mg	No	Any	No
HQI-E 100 W/NDL CO	0.94	0.50		6000 h	E27	Coated	8.0 mg	No	Any	No
HQI-E 150 W/WDL CO	0.99	0.91	0.85	10000 h	E27	Coated	16.3 mg	No	Any	No
HQI-E 150 W/NDL CO	0.90	0.50		6000 h	E27	Coated	12.0 mg	No	Any	No

Product description	Certificates & standards	Country-specific categorizations
	Energy consumption	ILCOS
HQI-E 100 W/WDL CO	110 kWh/1000h	MES/UB-100/730-H/E/SL-E27-56/141
HQI-E 100 W/NDL CO	110 kWh/1000h	MES/UB-100/842-H/E/SL-E27-56/141
HQI-E 150 W/WDL CO	165 kWh/1000h	MES/UB-150/730-H/E/SL-E27-56/141
HQI-E 150 W/NDL CO	165 kWh/1000h	MES/UB-150/842-H/E/SL-E27-56/141

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

2) Minimum



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 code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300351568	Shipping carton box 20	355 mm x 186 mm x 294 mm	2548.25 g	19.41 dm ³
4050300345840	Shipping carton box 20	355 mm x 186 mm x 294 mm	2572.00 g	19.41 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300434001	Shipping carton box 20	355 mm x 186 mm x 294 mm	2542.00 g	19.41 dm ³
4050300434049	Shipping carton box 20	355 mm x 186 mm x 294 mm	2536.40 g	19.41 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.