

PRODUCT FAMILY DATASHEET

POWERSTAR HQI-E coated

Metal halide lamps with quartz technology for enclosed luminaires



AREAS OF APPLICATION

- Factories and workshops
- Exhibition halls and trade fairs
- Sports halls and multi-purpose halls
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Long lifetime
- E40 screw base for simple lamp handling
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

PRODUCT FEATURES

- POWERSTAR quartz technology
- Light colors: neutral white (NDL), daylight (D)



TECHNICAL DATA

Product description	Electrical data						Photometrical data					
	Rated wattage	Lamp current	Nominal wattage	PFC capacitor at 50 Hz	Ignition voltage	Nominal voltage	Rated luminous flux	Color temperature	Light color	Luminous flux	Color rendering index Ra	UV protection
HQI-E 250 W/D	250.00 W	3.0 A	250.00 W				19000 lm	5200 K	952	19000 lm	92	
HQI-E 250 W/N/SI CO ¹⁾	235.00 W	2.1 A	250.00 W	32 µF ³⁾	0.75 / 1.3 kVp ⁴⁾		20500 lm	4000 K	640	20500 lm	69	Yes
HQI-E 250 W/D PRO	250.00 W	3.0 A	250.00 W	32 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	105 V	18000 lm	5500 K	955	18000 lm	92	Yes
HQI-E 400 W/N/SI CO ¹⁾	360.00 W	3.4 A	400.00 W	45 µF ³⁾	0.75 / 1.3 kVp ⁴⁾		36500 lm	3900 K	739	36500 lm	70	Yes
HQI-E 400 W/N CO ²⁾	444.00 W	3.8 A	440.00 W	45 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	125 V	40000 lm	3800 K	638	40000 lm	62	Yes
HQI-E 400 W/D PRO ²⁾	420.00 W	4.0 A	400.00 W	45 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	115 V	34000 lm	5200 K	952	34000 lm	92	Yes
HQI-E 400 W/D	420.00 W	4.0 A	420.00 W				34000 lm	5200 K	952	34000 lm	92	
HQI-E 1000 W/N	1060.00 W	9.5 A	1000.00 W	85 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	125 V	100000 lm	3700 K	637	100000 lm	62	Yes

Product description	Light color (designation)	Rated lamp efficacy (standard condition)	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h	Rated LLMF at 8,000 h	Rated LLMF at 12,000 h	Dimensions & weight			Additional product data
								Diameter	Length	Product weight	Base (standard designation)
HQI-E 250 W/D								91.0 mm	226.0 mm	193.00 g	E40
HQI-E 250 W/N/SI CO ¹⁾	Neutral White							90.0 mm	216.0 mm	154.00 g	E40
HQI-E 250 W/D PRO		72 lm/W	0.92	0.90	0.87	0.85	0.81	90.0 mm	226.0 mm	170.00 g	E40
HQI-E 400 W/N/SI CO ¹⁾		91 lm/W	0.85	0.68	0.66	0.51		118.0 mm	297.0 mm	243.70 g	E40
HQI-E 400 W/N CO ²⁾		91 lm/W	0.84	0.74	0.69	0.65		120.0 mm	290.0 mm	248.70 g	E40
HQI-E 400 W/D PRO ²⁾		81 lm/W	0.92	0.90	0.87	0.85	0.81	120.0 mm	290.0 mm	240.00 g	E40
HQI-E 400 W/D	Daylight							122.0 mm	290.0 mm	237.00 g	E40
HQI-E 1000 W/N		94 lm/W	0.85	0.74	0.67	0.63		165.0 mm	380.0 mm	395.00 g	E40

Product description	Design / version	Mercury content
HQI-E 250 W/D	Coated	18.0 mg
HQI-E 250 W/N/SI CO ¹⁾	Coated	31.7 mg
HQI-E 250 W/D PRO	Coated	20.0 mg

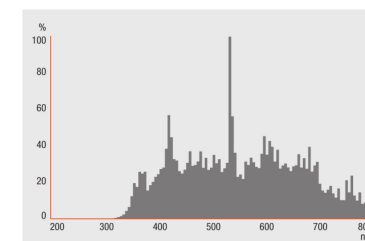
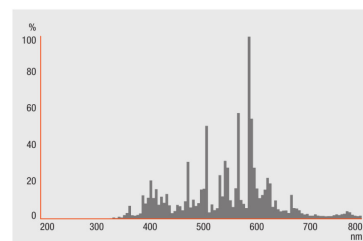
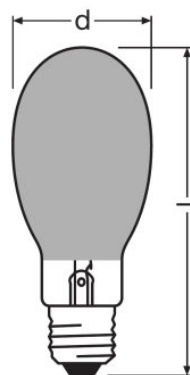
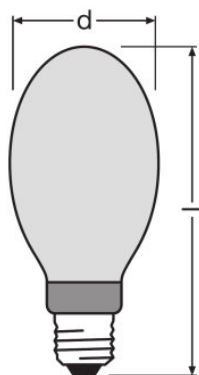
Product description	Design / version	Mercury content
HQI-E 400 W/N/SI CO ¹⁾	Coated	55.2 mg
HQI-E 400 W/N CO ²⁾	Coated	52.0 mg
HQI-E 400 W/D PRO ²⁾	Coated	64.0 mg
HQI-E 400 W/D	Coated	64.0 mg
HQI-E 1000 W/N	Coated	105.0 mg

¹⁾ Lamp ignites at an ignition voltage of 0.9...1.3 kVs; lamps must not be operated with 4...5 kV igniters

²⁾ With NAV control gear

³⁾ At rated voltage and $\cos \varphi \geq 0.9$

⁴⁾ Minimum

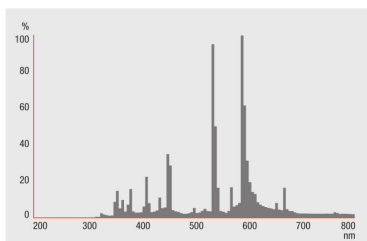


HQI-E 250 W/D, HQI-E 250 W/N/SI CO, HQI-E 250 W/D PRO, HQI-E 400 W/N/SI CO, HQI-E 400 W/N CO, HQI-E 400 W/D PRO, HQI-E 400 W/D

HQI-E 1000 W/N

HQI-E 250 W/N/SI CO, HQI-E 400 W/N/SI CO

HQI-E 250 W/D PRO, HQI-E 400 W/D PRO



HQI-E 400 W/N CO, HQI-E 1000 W/N

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
4008321628633	Shipping carton box 12	390 mm x 292 mm x 267 mm	3328.00 g	30.41 dm ³
4050300444635	Shipping carton box 6	348 mm x 250 mm x 238 mm	1546.00 g	20.71 dm ³
4008321677914	Shipping carton box 12	426 mm x 252 mm x 331 mm	2879.00 g	35.53 dm ³
4008321302359	Shipping carton box 6	400 mm x 313 mm x 268 mm	2190.00 g	33.55 dm ³
4058075039810	Shipping carton box 12	545 mm x 410 mm x 410 mm	5664.00 g	91.61 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321677891	Shipping carton box 12	541 mm x 317 mm x 416 mm	4239.00 g	71.34 dm ³
4008321628671	Shipping carton box 12	493 mm x 378 mm x 314 mm	4282.00 g	58.52 dm ³
4008321528278	Shipping carton box 6	545 mm x 448 mm x 377 mm	4619.00 g	92.05 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.