
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)



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)	Nominal voltage	Rated luminous flux	Color rendering index Ra	Color temperature	Rated LLMF at 2,000 h
HQI-E 250 W/D	250.00 W	250.00 W	3.0 A					19000 lm	92	5200 K	
HQI-E 250 W/N/SI CO ¹⁾	250.00 W	250.00 W		32 µF ³⁾	0.75 / 1.3 kVp ⁴⁾	82 lm/W		20500 lm	70	3800 K	0.70
HQI-E 250 W/D PRO	250.00 W	250.00 W	3.0 A	32 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	72 lm/W	105 V	18000 lm	92	5200 K	0.84
HQI-E 250 W/N PLUS	270.00 W	270.00 W	2.6 A	32 µF ³⁾	4.0 / 5.0 kVp	83 lm/W	130 V	22500 lm	>65	3800 K	0.84
HQI-E 400 W/N/SI CO ¹⁾	400.00 W	400.00 W		45 µF ³⁾	0.75 / 1.3 kVp ⁴⁾	91 lm/W		36500 lm	70	3900 K	0.85
HQI-E 400 W/N CO ²⁾	400.00 W	444.00 W	3.8 A	45 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	91 lm/W	125 V	40000 lm	62	3800 K	0.84
HQI-E 400 W/D PRO ²⁾	400.00 W	420.00 W	4.0 A	45 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	81 lm/W	115 V	34000 lm	92	5200 K	0.83
HQI-E 400 W/D	420.00 W	420.00 W	4.0 A					34000 lm	92	5200 K	
HQI-E 400 W/N PLUS	440.10 W	440.10 W	4.0 A	45 µF ³⁾	4.0 / 5.0 kVp	95 lm/W	110 V	42000 lm	63	3800 K	0.95
HQI-E 1000 W/N	1000.00 W	1060.00 W	9.5 A	85 µF ³⁾	4.0 / 5.0 kVp ⁴⁾	94 lm/W	125 V	100000 lm	62	3700 K	0.85

Product description							Dimensions & weight			Additional product data	
	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h	Rated LLMF at 8,000 h	UV protection	Light color	Rated LLMF at 12,000 h	Diameter	Length	Product weight	Base (standard designation)	Design / version
HQI-E 250 W/D							91.0 mm	226.0 mm	193.00 g	E40	Coated
HQI-E 250 W/N/SI CO ¹⁾	0.61	0.55	0.49	Yes			90.0 mm	216.0 mm	161.10 g	E40	Coated
HQI-E 250 W/D PRO	0.76	0.74	0.72	Yes	960	0.68	90.0 mm	226.0 mm	170.00 g	E40	Coated
HQI-E 250 W/N PLUS	0.76	0.74	0.72	Yes	742	0.68	89.0 mm	220.0 mm	170.00 g	E40	Frosted
HQI-E 400 W/N/SI CO ¹⁾	0.68	0.66	0.51	Yes			118.0 mm	297.0 mm	243.70 g	E40	Coated
HQI-E 400 W/N CO ²⁾	0.74	0.69	0.65	Yes	642		120.0 mm	290.0 mm	248.70 g	E40	Coated
HQI-E 400 W/D PRO ²⁾	0.76	0.70	0.65	Yes	960	0.55	120.0 mm	290.0 mm	240.00 g	E40	Coated
HQI-E 400 W/D							122.0 mm	290.0 mm	237.00 g	E40	Coated
HQI-E 400 W/N PLUS	0.93	0.90	0.85	Yes		0.80	120.0 mm	290.0 mm	250.00 g	E40	Frosted

Product family datasheet

Product description	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h	Rated LLMF at 8,000 h	UV protection	Light color	Rated LLMF at 12,000 h	Dimensions & weight			Additional product data	
							Diameter	Length	Product weight	Base (standard designation)	Design / version
HQI-E 1000 W/N	0.74	0.67	0.63	Yes	642		165.0 mm	380.0 mm	395.00 g	E40	Coated

Product description	Mercury content
HQI-E 250 W/D	18.0 mg
HQI-E 250 W/N/SI CO ¹⁾	31.7 mg
HQI-E 250 W/D PRO	18.0 mg
HQI-E 250 W/N PLUS	18.0 mg
HQI-E 400 W/N/SI CO ¹⁾	55.2 mg
HQI-E 400 W/N CO ²⁾	52.0 mg
HQI-E 400 W/D PRO ²⁾	64.0 mg
HQI-E 400 W/D	64.0 mg
HQI-E 400 W/N PLUS	64.0 mg
HQI-E 1000 W/N	105.0 mg

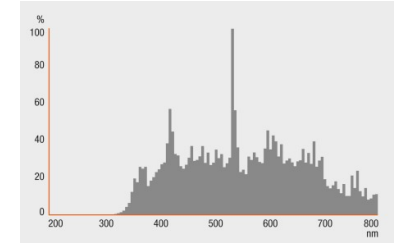
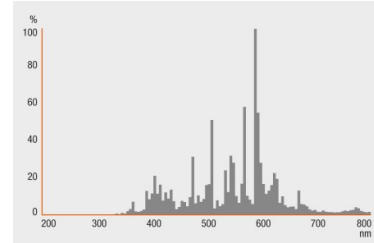
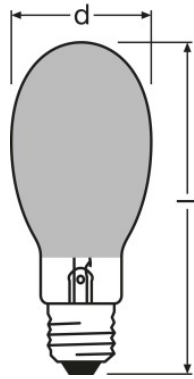
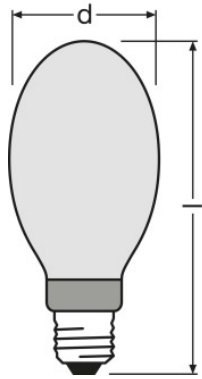
¹⁾ Lamp ignites at an ignition voltage of 0.9...1.3 kV; lamps must not be operated with 4...5 kV igniters

²⁾ With NAV control gear

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

⁴⁾ Minimum

Product family datasheet



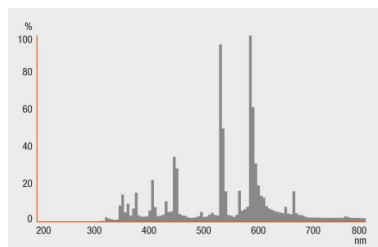
HQI-E 250 W/D, HQI-E 250 W/N/SI CO,
HQI-E 250 W/D PRO, HQI-E 400
W/N/SI CO, HQI-E 400 W/N CO, HQI-E
400 W/D PRO, HQI-E 400 W/D

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

Product family datasheet



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	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321628626	HQI-E 250 W/D	Shipping carton box 12	390 mm x 292 mm x 267 mm	30.41 dm ³	3328.00 g
4050300444628	HQI-E 250 W/N/SI CO	Shipping carton box 6	348 mm x 250 mm x 238 mm	20.71 dm ³	1546.00 g
4008321677907	HQI-E 250 W/D PRO	Shipping carton box 12	426 mm x 252 mm x 331 mm	35.53 dm ³	2879.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899197527	HQI-E 250 W/N PLUS	Shipping carton box 12	426 mm x 331 mm x 252 mm	35.53 dm ³	2879.00 g
4008321302342	HQI-E 400 W/N/SI CO	Shipping carton box 6	400 mm x 313 mm x 268 mm	33.55 dm ³	2190.00 g
4008321526724	HQI-E 400 W/N CO	Shipping carton box 12	545 mm x 410 mm x 410 mm	91.61 dm ³	5520.00 g
4008321677884	HQI-E 400 W/D PRO	Shipping carton box 12	541 mm x 317 mm x 416 mm	71.34 dm ³	4239.00 g
4008321628664	HQI-E 400 W/D	Shipping carton box 12	493 mm x 378 mm x 314 mm	58.52 dm ³	4282.00 g
4008321792389	HQI-E 400 W/N PLUS	Shipping carton box 12	545 mm x 410 mm x 410 mm	91.61 dm ³	4776.00 g
4008321528261	HQI-E 1000 W/N	Shipping carton box 6	545 mm x 448 mm x 377 mm	92.05 dm ³	4619.00 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.