

Product family datasheet

POWERSTAR HQI-T

Metal halide lamps with quartz technology for enclosed luminaires



Areas of application

- Factories and workshops
- Sports halls and multi-purpose halls
- Industrial installations
- Docks and port facilities
- Marshaling yards, container transshipment facilities
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- Output of up to 400 W
- High efficiency
- 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 (N), daylight (D)



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Technical data

Product description	Electrical data		Photometrical data			
	Nominal wattage	Nominal voltage	Rated lamp efficacy (standard condition)	Rated luminous flux	Color rendering index Ra	Color temperature
HQI-T 250 W/D PRO	250.00 W	98 V	77 lm/W	19100 lm	87	5500 K
HQI-T 250 W/D						
HQI-T 250 W/N/SI ¹⁾	250.00 W		76 lm/W	19000 lm	65	4500 K
HQI-T 250 W/N PLUS						
HQI-BT 400 W/D PRO ²⁾	400.00 W	115 V	81 lm/W	34000 lm	92	5500 K
HQI-T 400 W/N ²⁾	440.00 W	126 V	90 lm/W	40000 lm	62	3700 K

Product description	Light color	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
HQI-T 250 W/D PRO	5500	0.92	0.90	0.87	0.85	0.81
HQI-T 250 W/D						
HQI-T 250 W/N/SI ¹⁾	4500	0.77	0.61	0.38	0.32	
HQI-T 250 W/N PLUS						
HQI-BT 400 W/D PRO ²⁾	5500	0.92	0.90	0.87	0.85	0.81
HQI-T 400 W/N ²⁾	642	0.85	0.79	0.68	0.65	0.62

Product description	UV protection	Dimensions & weight		Temperatures & operating conditions		Lifespan
		Diameter	Length	Maximum permitted outer bulb temperature	Maximum permitted base edge temperature	Rated lamp survival factor at 2,000 h
HQI-T 250 W/D PRO	Yes	46.0 mm	226.0 mm	500 °C	250 °C	0.96
HQI-T 250 W/D						
HQI-T 250 W/N/SI ¹⁾	Yes	57.0 mm	249.0 mm	400 °C	250 °C	1.00
HQI-T 250 W/N PLUS						
HQI-BT 400 W/D PRO ²⁾	Yes	62.0 mm	285.0 mm	500 °C	250 °C	0.96
HQI-T 400 W/N ²⁾	Yes	46.0 mm	273.0 mm	500 °C	250 °C	0.99

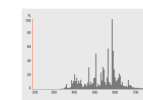
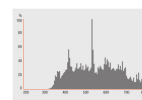
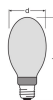
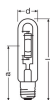
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						Additional product data
Product description	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h	Rated lamp survival factor at 12,000 h	Lifespan B50	Base (standard designation)
HQI-T 250 W/D PRO	0.94	0.93	0.88	0.81	16000 h	E40
HQI-T 250 W/D						
HQI-T 250 W/N/SI ¹⁾	1.00	1.00	0.93		10000 h	E40
HQI-T 250 W/N PLUS						
HQI-BT 400 W/D PRO ²⁾	0.94	0.93	0.88	0.81	16000 h	E40
HQI-T 400 W/N ²⁾	0.98	0.93	0.83	0.50	12000 h	E40
Capabilities				Certificates & standards		Country specific categorizations
Product description	Dimmable	Burning position	Enclosed luminaire required	Energy efficiency class	Energy consumption	ILCOS
HQI-T 250 W/D PRO	No	Any ³⁾	Yes	A	275 kWh/1000h	MT/UB-250/952-H/E/SL-E40-46/226
HQI-T 250 W/D						
HQI-T 250 W/N/SI ¹⁾	No	Any	Yes	A	275 kWh/1000h	MT-250/37/2B-H 133/S-E40-57.2/248
HQI-T 250 W/N PLUS						
HQI-BT 400 W/D PRO ²⁾	No	Any	Yes	A	462 kWh/1000h	MT/UB-400/960-H/E/SL-E40-62/285
HQI-T 400 W/N ²⁾	No	p45	Yes	A+	493 kWh/1000h	MT/UB-400/742-H/E/SL-E40-46/273/H

¹⁾ With HQI control gear/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⁾ Color shifts possible in base-down burning position



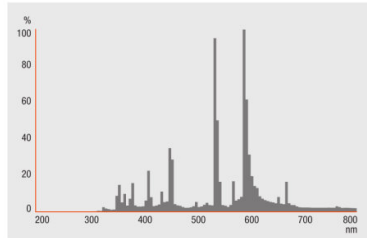
HQI-T 250 W/D PRO, HQI-T 250
W/N/SI, HQI-T 400 W/N

HQI-BT 400 W/D PRO

HQI-T 250 W/D PRO, HQI-BT 400 W/D
PRO

HQI-T 250 W/N/SI

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HQI-T 400 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
4008321677846	HQI-T 250 W/D PRO	Shipping carton box 12	277 mm x 281 mm x 217 mm	16.89 dm ³	2304.00 g
4008321628640	HQI-T 250 W/D	Shipping carton box 12	262 mm x 211 mm x 319 mm	17.63 dm ³	2548.00 g
4050300444604	HQI-T 250 W/N/SI	Shipping carton box 10	350 mm x 165 mm x 300 mm	17.33 dm ³	2300.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899196919	HQI-T 250 W/N PLUS	Shipping carton box 12	216 mm x 166 mm x 272 mm	9.75 dm ³	2388.00 g
4008321677860	HQI-BT 400 W/D PRO	Shipping carton box 12	342 mm x 347 mm x 258 mm	30.62 dm ³	3534.00 g
4008321526786	HQI-T 400 W/N	Shipping carton box 12	266 mm x 216 mm x 342 mm	19.65 dm ³	2628.19 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.

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