

POWERSTAR HQI-TS

Short arc, no outer bulb for enclosed luminaires



Areas of application

- Sports stadiums and floodlight systems
- Sports halls and multi-purpose halls
- Airports
- Solar simulation, material testing
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- High efficiency
- Good to excellent color rendering
- Excellent color stability
- Small loss of luminous flux over the life of the lamp
- Hot restrike capable
- Compact dimensions for small spotlights
- Good positioning thanks to K12s base

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	Nominal voltage	Ignition voltage	Rated lamp efficacy (standard condition)	Rated luminous flux	Color rendering index Ra	Color temperature	Light color
HQI-TS 1000 W/NDL/S UVS	1000.00 W	1000.00 W	9.7 A	85 µF ³⁾	120 V	4.0 / 36 kVp ⁴⁾	90 lm/W	90000 lm	85	4400 K	842
HQI-TS 1000 W/D/S PRO	1000.00 W	1000.00 W	9.6 A	85 µF ³⁾	120 V	4.0 / 36 kVp ⁴⁾	90 lm/W	90000 lm	85	6100 K	860
HQI-TS 2000 W/NDL/S	2000.00 W	1930.00 W	11.3 A	60 µF ³⁾	200 V	4.0 / 36 kVp ⁴⁾	112 lm/W	222000 lm	90	4650 K	942
HQI-TS 2000 W/D/S	2000.00 W	1950.00 W	11.3 A	60 µF ³⁾	190 V	4.0 / 36 kVp ⁴⁾	108 lm/W	210000 lm	83	6100 K	860
HQI-TS 2000 W/D/S/HF ¹⁾	2000.00 W	2060.00 W	12.2 A	70 µF ³⁾	200 V	4.0 / 36 kVp ⁴⁾	112 lm/W	230000 lm	83	6200 K	860
HQI-TS 2000 W/D/S ECG ²⁾	2000.00 W	2080.00 W	11.2 A		200 V	4.0 / 36 kVp ⁴⁾	110 lm/W	228000 lm	85	6300 K	863

Product description						Dimensions & weight				Temperatures & operating conditions		Lifespan
	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h	UV protection	Rated LLMF at 8,000 h	Diameter	Length	Light center length (LCL)	Product weight	Max. permitted outer bulb temperature	Max. permitted pinch temp.	Rated lamp survival factor at 2,000 h
HQI-TS 1000 W/NDL/S UVS	0.91	0.86	0.84	No		36.0 mm	187.0 mm	93.0 mm	61.00 g	950 °C	390 °C	0.95
HQI-TS 1000 W/D/S PRO	0.98	0.98	0.97	No	0.88	41.0 mm	187.0 mm	93.0 mm	58.50 g	950 °C	390 °C	0.95
HQI-TS 2000 W/NDL/S	0.89	0.76	0.72	No		41.0 mm	187.0 mm	93.0 mm	63.00 g	950 °C	390 °C	0.95
HQI-TS 2000 W/D/S	0.95	0.90		No		41.0 mm	187.0 mm	93.0 mm	61.00 g	950 °C	390 °C	0.94
HQI-TS 2000 W/D/S/HF ¹⁾	0.96	0.92		No		41.0 mm	187.0 mm	93.0 mm	61.00 g	950 °C	390 °C	0.94
HQI-TS 2000 W/D/S ECG ²⁾	0.96	0.95		No		41.0 mm	187.0 mm	93.0 mm	61.00 g	950 °C	390 °C	0.95

Product family datasheet

Product description	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Lifespan B50	Rated lamp survival factor at 8,000 h	Additional product data			Capabilities		
					Base (standard designation)	Design / version	Mercury content	Dimmable	Burning position	Enclosed luminaire required
HQI-TS 1000 W/NDL/S UVS	0.70	0.50	6000 h		K12s-36	Clear	70.0 mg	No	p15	Yes
HQI-TS 1000 W/D/S PRO	0.77	0.65	8000 h	0.50	K12s-36	Clear	70.0 mg	No	p15	Yes
HQI-TS 2000 W/NDL/S	0.76	0.50	6000 h		K12s-36	Clear	150.0 mg	No	p15	Yes
HQI-TS 2000 W/D/S	0.61		4500 h		K12s-36	Clear	180.0 mg	No	p15	Yes
HQI-TS 2000 W/D/S/HF ¹⁾	0.61		4500 h		K12s-36	Clear	187.0 mg	No	p15	Yes
HQI-TS 2000 W/D/S ECG ²⁾	0.50		4000 h		K12s-36	Clear	200.0 mg	No	p15	Yes

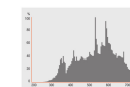
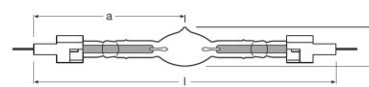
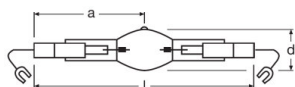
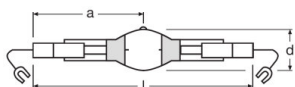
Product description	Hot restart	Certificates & standards		Country specific categorizations
		Energy efficiency class	Energy consumption	ILCOS
HQI-TS 1000 W/NDL/S UVS	Yes	A+	1100 kWh/1000h	MN-1000/844-H/E/SL-K12s=36-41/187/H
HQI-TS 1000 W/D/S PRO	Yes	A+	1100 kWh/1000h	MN-1000/961-H/E/SL-K12s=36-41/187/H
HQI-TS 2000 W/NDL/S	Yes	A+	2123 kWh/1000h	MN-2000/844-E/E/SL-K12s=36-41/187/H
HQI-TS 2000 W/D/S	Yes	A+	2145 kWh/1000h	MN-2000/961-E/E/SL-K12s=36-41/187/H
HQI-TS 2000 W/D/S/HF ¹⁾	Yes	A+	2266 kWh/1000h	MN-2000/960-E/E/SL-K12s=36-41/187/H
HQI-TS 2000 W/D/S ECG ²⁾	Yes	A+	2288 kWh/1000h	MN-2000/861-E/E/SL-K12s=36-41/187/H

¹⁾ Only with 12.2 A control gear

²⁾ Operation on suitable 2000 W ECG only (Schiederwerk PVG 12-20 and ignitor KZG 12-8 or KZG 20-8)

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

⁴⁾ Minimum



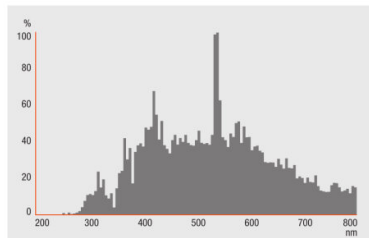
HQI-TS 1000 W/NDL/S UVS, HQI-TS
1000 W/D/S PRO, HQI-TS 2000
W/NDL/S

HQI-TS 2000 W/D/S, HQI-TS 2000
W/D/S ECG

HQI-TS 2000 W/D/S/HF

HQI-TS 1000 W/NDL/S UVS, HQI-TS
2000 W/NDL/S

Product family datasheet



HQI-TS 1000 W/D/S PRO, HQI-TS
2000 W/D/S, HQI-TS 2000 W/D/S/HF

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
4008321591944	HQI-TS 1000 W/NDL/S UVS	Shipping carton box 10	395 mm x 271 mm x 164 mm	17.56 dm ³	1436.00 g
4008321525475	HQI-TS 1000 W/D/S PRO	Shipping carton box 10	395 mm x 265 mm x 166 mm	17.38 dm ³	1436.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321525499	HQI-TS 2000 W/NDL/S	Shipping carton box 10	395 mm x 265 mm x 166 mm	17.38 dm ³	1456.00 g
4050300271682	HQI-TS 2000 W/D/S	Shipping carton box 10	395 mm x 265 mm x 163 mm	17.06 dm ³	1436.00 g
4008321338310	HQI-TS 2000 W/D/S/HF	Shipping carton box 10	395 mm x 265 mm x 166 mm	17.38 dm ³	1436.00 g
4052899173743	HQI-TS 2000 W/D/S ECG	Shipping carton box 10	395 mm x 165 mm x 265 mm	17.27 dm ³	1481.00 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.