

Product family datasheet

POWERSTAR HQI-TS EXCELLENCE

Metal halide lamps with quartz technology for enclosed luminaires



- - Shop interiors, shop windows- Shopping arcades- Foyers, reception areas- Buildings, monuments, bridges- Museums, exhibitions- Exhibition halls and trade fairs- Pedestrian zones, public squares- Parks and gardens- Approved only for use in enclosed luminaires- Outdoor applications only in suitable luminaires

- - High efficiency- Uniform distribution of light- Good to excellent color rendering- Long lifetime- Hot restrike capable- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter
- Product features- POWERSTAR® quartz technology- Light colors: warm white (WDL), neutral white (NDL), daylight (D), cool daylight (CD)- Average lifetime: 12,000 hProduct benefits- High efficiency- Uniform distribution of light- Good to excellent color rendering- Long lifetime- Hot restrike capable- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filterAreas of application- Shop interiors, shop windows- Shopping arcades- Foyers, reception areas- Buildings, monuments, bridges- Museums, exhibitions- Exhibition halls and trade fairs- Pedestrian zones, public squares- Parks and gardens- Approved only for use in enclosed luminaires- Outdoor applications only in suitable luminairesSystem guaranteeWhen operated with OSRAM POWERTRONIC® control gear, an extended system guarantee is granted for these lampsReferences / LinksFor more information on the system guarantee and the terms and conditions of the guarantee visit 'www.ledvance.com/system-guarantee'



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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	Light color
HQI-TS 70 W/WDL	70.00 W	98 V	76 lm/W	5925 lm	67	3300 K	633
HQI-TS 70 W/NDL	70.00 W	93 V	83 lm/W	6500 lm	78	4200 K	742
HQI-TS 70 W/D	70.00 W	92 V	75 lm/W	6200 lm	75	5350 K	754
HQI-TS 150 W/WDL							
HQI-TS 150 W/NDL	150.00 W	95 V	83 lm/W	12500 lm	80	4200 K	842

Product description	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	UV protection	Dimensions & weight
							Diameter
HQI-TS 70 W/WDL	0.68	0.64	0.56	0.50	0.45	Yes	19.0 mm
HQI-TS 70 W/NDL	0.92	0.90	0.85	0.78	0.73	Yes	19.0 mm
HQI-TS 70 W/D	0.95	0.93	0.85	0.82	0.75	Yes	19.0 mm
HQI-TS 150 W/WDL							
HQI-TS 150 W/NDL	0.86	0.84	0.80	0.77	0.73	Yes	23.0 mm

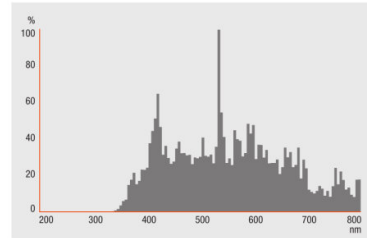
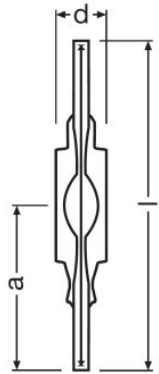
Product description	Length	Temperatures & operating conditions		Lifespan			
		Maximum permitted outer bulb temperature	Maximum permitted pinch temperature	Rated lamp survival factor at 2,000 h	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h
HQI-TS 70 W/WDL	117.0 mm	500 °C	350 °C	0.95	0.90	0.85	0.80
HQI-TS 70 W/NDL	117.0 mm	500 °C	350 °C	0.95	0.90	0.85	0.80
HQI-TS 70 W/D	117.0 mm	500 °C	350 °C	0.95	0.90	0.85	0.80
HQI-TS 150 W/WDL							
HQI-TS 150 W/NDL	135.0 mm	450 °C	350 °C	0.95	0.90	0.85	0.80

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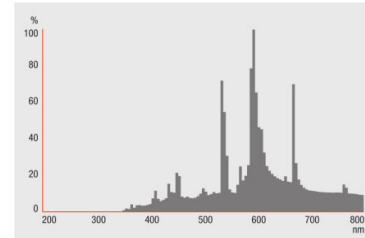
			Additional product data	Capabilities			
Product description	Rated lamp survival factor at 12,000 h	Lifespan B50	Base (standard designation)	Dimmable	Burning position	Enclosed luminaire required	Hot restart
HQI-TS 70 W/WDL	0.50	12000 h	RX7s	No	p45	Yes	Yes
HQI-TS 70 W/NDL	0.50	12000 h	RX7s	No	p45	Yes	Yes
HQI-TS 70 W/D	0.50	12000 h	RX7s	No	p45	Yes	Yes
HQI-TS 150 W/WDL							
HQI-TS 150 W/NDL	0.50	12000 h	RX7s-24	No	p45	Yes	Yes

		Certificates & standards	Country specific categorizations
Product description	Energy efficiency class	Energy consumption	ILCOS
HQI-TS 70 W/WDL	A	86 kWh/1000h	MD/UB-70/730-H/E/SL-RX7s-19/117/H
HQI-TS 70 W/NDL	A	86 kWh/1000h	MD/UB-70/842-H/E/SL-RX7s-19/117/H
HQI-TS 70 W/D	A	86 kWh/1000h	MD/UB-70/856-H/E/SL-RX7s-19/117/H
HQI-TS 150 W/WDL			
HQI-TS 150 W/NDL	A	165 kWh/1000h	MD/UB-150/842-H/E/SL-RX7s=24-23/135/H

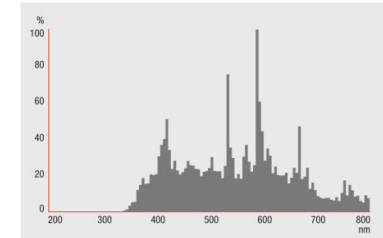
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HQI-TS 70 W/D



HQI-TS 150 W/WDL



HQI-TS 150 W/NDL

HQI-TS 70 W/WDL, HQI-TS 70 W/NDL,
HQI-TS 70 W/D, HQI-TS 150 W/WDL,
HQI-TS 150 W/NDL

System guarantee

For the vast majority of our lamps we are offering an extended system guarantee in conjunction with OSRAM POWERTRONIC control gear.

Application advice

For more detailed application information and graphics please see product datasheet.
Attention: Only compatible for devices up to ANDROID 9

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321678300	HQI-TS 70 W/WDL	Shipping carton box 12	149 mm x 136 mm x 118 mm	2.39 dm ³	386.00 g
4008321678324	HQI-TS 70 W/NDL	Shipping carton box 12	149 mm x 136 mm x 118 mm	2.39 dm ³	410.00 g
4008321678348	HQI-TS 70 W/D	Shipping carton box 12	149 mm x 139 mm x 116 mm	2.40 dm ³	410.00 g
4008321678362	HQI-TS 150 W/WDL	Shipping carton box 12	154 mm x 159 mm x 123 mm	3.01 dm ³	498.00 g
4008321678386	HQI-TS 150 W/NDL	Shipping carton box 12	154 mm x 156 mm x 121 mm	2.91 dm ³	498.00 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.

References / Links

For more information on the system guarantee and the terms and conditions of the guarantee visit

► www.osram.com/system-guarantee

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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