
Product datasheet

HQI-TS 70 W/NDL

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

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- 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



Technical data

Electrical data

Nominal wattage	70.00 W
Rated wattage	78.00 W
Lamp current	0.95 A
PFC capacitor at 50 Hz	12 μ F ¹⁾
Nominal voltage	93 V
Ignition voltage	3.6 kVp;36 kVp ²⁾
Nominal current	0.95 A

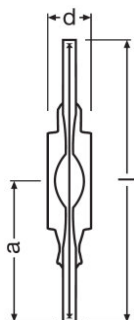
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

²⁾ Minimum;Maximum

Photometrical data

Rated lamp efficacy (standard condition)	83 lm/W
Rated luminous flux	6500 lm
Color rendering index Ra	78
Color temperature	4200 K
Light color	742
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.85
Rated LLMF at 8,000 h	0.78
Rated LLMF at 12,000 h	0.73
UV protection	Yes
Nominal luminous flux	6500 lm
Rated color temperature	4200 K
Luminous flux	6500 lm

Dimensions & weight



Diameter	19.0 mm
Length	117.0 mm
Light center length (LCL)	57.0 mm
Product weight	17.00 g
Outer bulb	TT19
Overall length	117.0 mm

Temperatures & operating conditions

Maximum permitted outer bulb temperature	500 °C
Maximum permitted pinch temperature	350 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.95
Rated lamp survival factor at 4,000 h	0.90
Rated lamp survival factor at 6,000 h	0.85
Rated lamp survival factor at 8,000 h	0.80
Rated lamp survival factor at 12,000 h	0.50
Lifespan B50	12000 h

Additional product data

Base (standard designation)	RX7s
Design / version	clear
Mercury content	10.6 mg
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

Capabilities

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Dimmable	No
Burning position	p45
Enclosed luminaire required	Yes
Hot restart	Yes

Certificates & standards

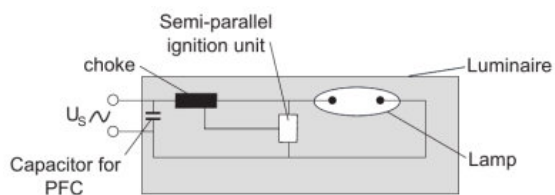
Energy efficiency class	A
Energy consumption	86 kWh/1000h

Country specific categorizations

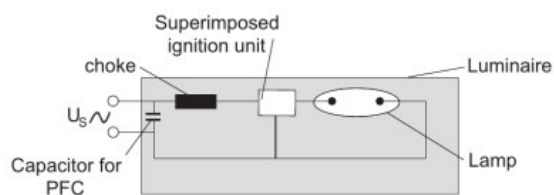
ILCOS	MD/UB-70/842-H/E/SL-RX7s-19/117/H
Order reference	HQI-TS 70W/NDL/

System guarantee

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

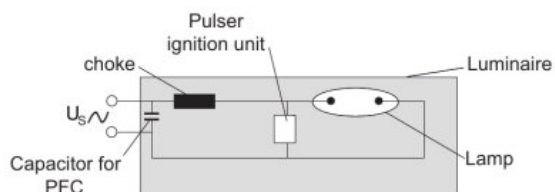


OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH SEMI-PARALLEL IGNITION UNIT

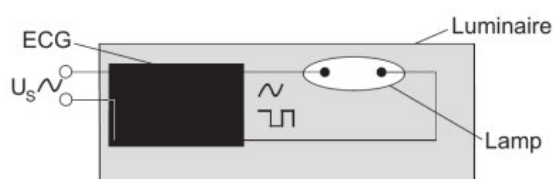


OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH A SUPERIMPOSED IGNITION UNIT

Product datasheet



OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH PULSE IGNITION UNIT



ELEKTRONIC OPERATION OF HIGH INTENSITY DISCHARGE LAMPS

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321678324	HQI-TS 70 W/NDL	Shipping carton box 12 Pieces Folding carton box	149 mm x 136 mm x 118 mm	2.39 dm ³	410.00 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.

OSRAM is distribution partner of LEDVANCE of LAMPS

OSRAM

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Product name	Product name ECG	EAN
HQI-TS 70 W/NDL	PT-FIT 70/220-240 I	4008321377685
	PT-FIT 70/220-240 S	4008321386649
	PTi 70/220-240 I	4008321099501
	PTi 70/220-240 S	4008321049629
	PTo 70/220-240 3DIM	4008321959355