
Product datasheet

HQI-TS 150 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



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Technical data

Electrical data

Nominal wattage	150.00 W
Rated wattage	150.00 W
Lamp current	1.8 A
PFC capacitor at 50 Hz	20 μ F ¹⁾
Nominal voltage	95 V
Ignition voltage	3.6 kVp;36 kVp ²⁾

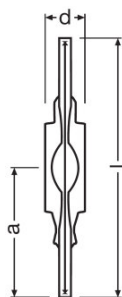
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

²⁾ Minimum;Maximum

Photometrical data

Rated lamp efficacy (standard condition)	83 lm/W
Rated luminous flux	12500 lm
Color rendering index Ra	80
Color temperature	4200 K
Light color	842
Rated LLMF at 2,000 h	0.86
Rated LLMF at 4,000 h	0.84
Rated LLMF at 6,000 h	0.80
Rated LLMF at 8,000 h	0.77
Rated LLMF at 12,000 h	0.73
UV protection	Yes

Dimensions & weight



Diameter	23.0 mm
Length	135.0 mm
Light center length (LCL)	66.0 mm

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Product weight	22.00 g
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Temperatures & operating conditions

Maximum permitted outer bulb temperature	450 °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-24
Design / version	clear
Mercury content	12.3 mg
Appropriate disposal acc. to WEEE	Yes

Capabilities

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

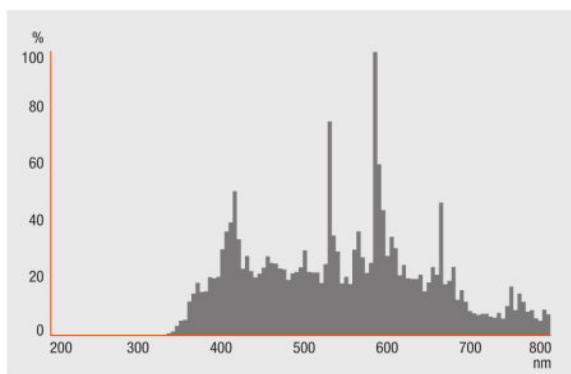
Certificates & standards

Energy efficiency class	A
Energy consumption	165 kWh/1000h

Country specific categorizations

ILCOS	MD/UB-150/842-H/E/SL-RX7s=24-23/135/H
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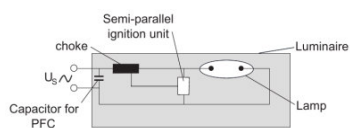
Light Distribution



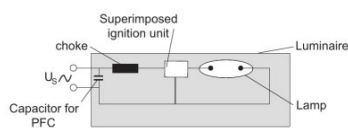
Spectral power distribution

System guarantee

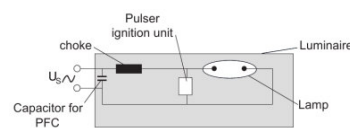
For the vast majority of our lamps we are offering an extended system guarantee in conjunction with OSRAM POWERTRONIC control gear.



Circuit diagram

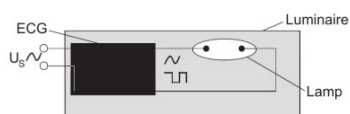


Circuit diagram



Circuit diagram

Product datasheet



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321678386	HQI-TS 150 W/NDL	Shipping carton box 12 Pieces Folding carton box	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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Product name	Product name ECG	EAN
HQI-TS 150 W/NDL	PTi 150/220-240 I	4008321915535
	PTi 150/220-240 S	4008321188090
	PTo 150/220-240 3DIM	4008321956385