

Product datasheet

HQI-T 70 W/WDL

POWERSTAR HQI-T G12 | Metal halide lamps with quartz technology for enclosed luminaires



- Shopping arcades Exhibition halls and trade fairs
Factories and workshops Pedestrian zones, public squares
Buildings, monuments, bridges Approved only for use in
enclosed luminaires Outdoor applications only in suitable
luminaires

- High efficiency Good to excellent color rendering 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	75.00 W
Lamp current	0.95 A
PFC capacitor at 50 Hz	12 μ F ¹⁾
Nominal voltage	95 V
Ignition voltage	3.6 kVp;5.0 kVp ²⁾
Nominal current	0.95 A

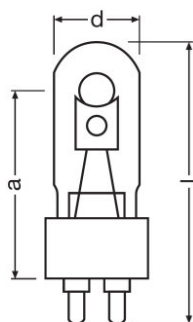
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

²⁾ Minimum;Maximum

Photometrical data

Rated lamp efficacy (standard condition)	71 lm/W
Rated luminous flux	5300 lm
Color rendering index Ra	73
Color temperature	3075 K
Light color	731
Rated LLMF at 2,000 h	0.85
Rated LLMF at 4,000 h	0.80
Rated LLMF at 6,000 h	0.75
Rated LLMF at 8,000 h	0.70
UV protection	Yes
Nominal luminous flux	5300 lm
Rated color temperature	3075 K
Luminous flux	5300 lm

Dimensions & weight



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Diameter	25.0 mm
Length	84.0 mm
Light center length (LCL)	56.0 mm
Product weight	30.00 g
Outer bulb	T25
Overall length	84.0 mm

Temperatures & operating conditions

Maximum permitted outer bulb temperature	550 °C
Maximum permitted pinch temperature	280 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.87
Rated lamp survival factor at 4,000 h	0.85
Rated lamp survival factor at 6,000 h	0.75
Rated lamp survival factor at 8,000 h	0.60
Lifespan B50	9000 h

Additional product data

Base (standard designation)	G12
Design / version	clear
Mercury content	13.9 mg
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

Capabilities

Dimmable	No
Burning position	Any ¹⁾
Enclosed luminaire required	Yes

¹⁾ Burning position: In horizontal burning position of lamp, base pins must be positioned in such a way that they form a horizontal plane

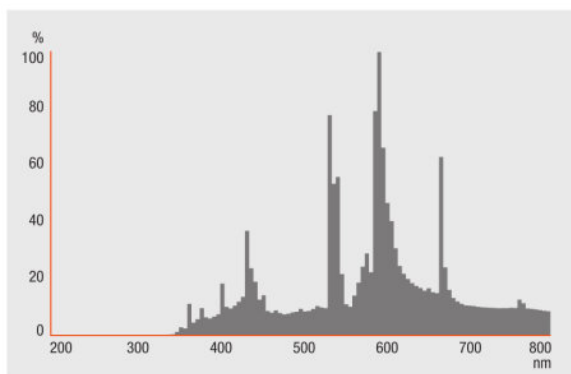
Certificates & standards

Energy efficiency class	A
Energy consumption	83 kWh/1000h

Country specific categorizations

ILCOS	MT/UB-70/730-H/E/SL-G12-25/84
Order reference	HQI-T 70W/WDL U

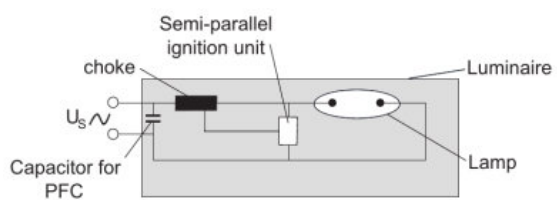
Light Distribution



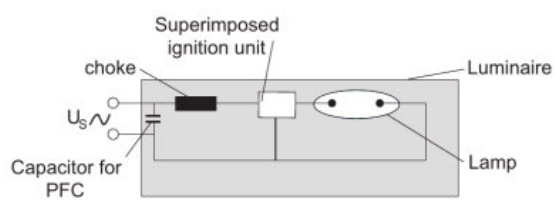
HQI_T_WDL_G12

System guarantee

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

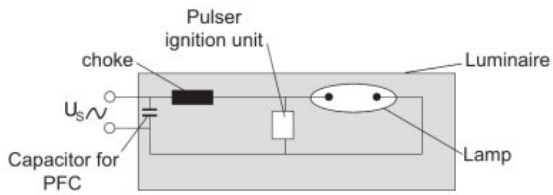


OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH SEMI-PARALLEL IGNITION UNIT

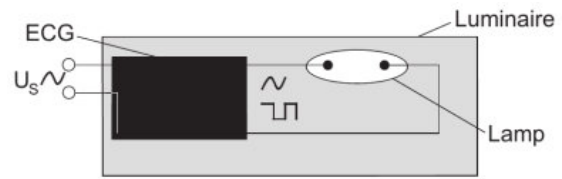


OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH A SUPERIMPOSED IGNITION UNIT

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
4008321974341	HQI-T 70 W/WDL	Shipping carton box 12 Pieces Folding carton box	180 mm x 127 mm x 140 mm	3.20 dm ³	567.00 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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OSRAM

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Product name	Product name ECG	EAN
HQI-T 70 W/WDL	PT-FIT 70/220-240 I	4008321377685
	PT-FIT 70/220-240 S	4008321386649
	PTi 70/220-240 I	4008321099501
	PTo 150/220-240 3DIM	4008321956385
	PTo 70/220-240 3DIM	4008321959355