

Product datasheet

HQI-TS 250 W/NDL UVS

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



- Foyers, reception areas Factory and hall lighting with low-cost installations Exhibition halls and trade fairs Sports halls and multi-purpose halls Pedestrian zones, public squares Parks and gardens Buildings, monuments, bridges 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



Technical data

Electrical data

Nominal wattage	250.00 W
Rated wattage	250.00 W
Lamp current	3.0 A
PFC capacitor at 50 Hz	32 μ F ¹⁾
Nominal voltage	98 V
Ignition voltage	4.0 kVp;25 kVp ²⁾
Nominal current	3 A

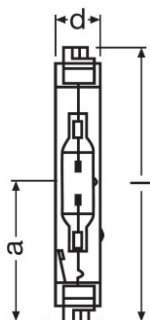
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

²⁾ Minimum;Maximum

Photometrical data

Rated lamp efficacy (standard condition)	80 lm/W
Rated luminous flux	20000 lm
Color rendering index Ra	88
Color temperature	4200 K
Light color	842
Rated LLMF at 2,000 h	0.80
Rated LLMF at 4,000 h	0.75
Rated LLMF at 6,000 h	0.65
Rated LLMF at 8,000 h	0.55
Rated LLMF at 12,000 h	0.50
UV protection	Yes
Nominal luminous flux	20000 lm
Rated color temperature	4200 K
Light color (designation)	Neutral White DE LUXE
Luminous flux	20000 lm

Dimensions & weight



Diameter	25.0 mm
Length	162.0 mm
Light center length (LCL)	81.0 mm
Product weight	52.00 g
Outer bulb	T25
Overall length	162.0 mm

Temperatures & operating conditions

Maximum permitted outer bulb temperature	650 °C
Maximum permitted pinch temperature	300 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.80
Rated lamp survival factor at 4,000 h	0.70
Rated lamp survival factor at 6,000 h	0.85
Rated lamp survival factor at 8,000 h	0.55
Rated lamp survival factor at 12,000 h	0.50
Lifespan B50	12000 h

Additional product data

Base (standard designation)	Fc2
Design / version	clear
Mercury content	12.0 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	G
Energy consumption	275 kWh/1000h

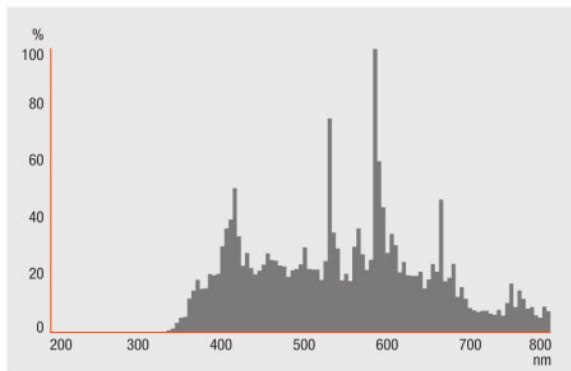
Country specific categorizations

ILCOS	MD/UB-250/842-H/E/SL-Fc2-25/162/H
Order reference	HQI-TS 250W/NDL

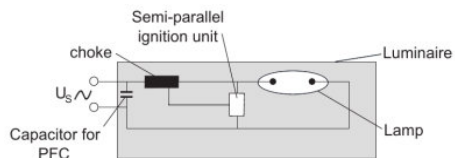
Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	08-07-2022
Primary Article Identifier	4008321689153 4008321766878
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	In work

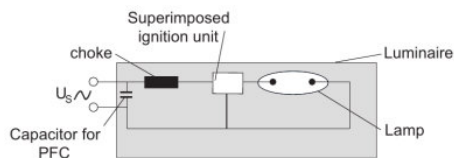
Light Distribution



HQI_TS_NDL

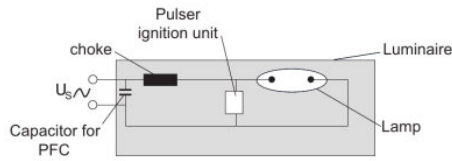


OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH SEMI-PARALLEL IGNITION UNIT



OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH A SUPERIMPOSED IGNITION UNIT

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OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH PULSE IGNITION UNIT

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321766878	HQI-TS 250 W/NDL UVS	Shipping carton box 12 Pieces Sleeves	216 mm x 166 mm x 272 mm	9.75 dm ³	984.00 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.

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Product name	Product name ECG	EAN
HQI-TS 250 W/NDL UVS	PTo 250/220-240 3DIM	4008321863669