

# PRODUCT DATASHEET

## HQI-E 70 W/NDL CL

POWERSTAR HQI-E clear | Metal halide lamps for open and enclosed luminaires



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### AREAS OF APPLICATION

- Shopping arcades
- Conference rooms, auditoriums, libraries
- Factories and workshops
- Exhibition halls and trade fairs
- Pedestrian zones, public squares
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

- E27 screw base for simple lamp handling
- Different light colors

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### BENEFITS OF OSRAM UV FILTER TECHNOLOGY

- Reduced material stress within the luminaire
- The UV filter on the lamp complies with the requirements of IEC 61167



**TECHNICAL DATA**

Electrical data

Nominal wattage	70.00 W
Rated wattage	70.00 W
Lamp current	1.0 A
PFC capacitor at 50 Hz	12 µF <sup>1)</sup>
Ignition voltage	3.6 / 5.0 kVp <sup>2)</sup>

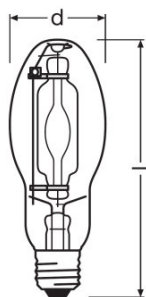
<sup>1)</sup> At rated voltage and cos φ ≥ 0.9

<sup>2)</sup> Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	79 lm/W
Rated luminous flux	5500 lm
Color rendering index Ra	77
Color temperature	4500 K
Light color	745
Rated LLMF at 2,000 h	0.84
Rated LLMF at 4,000 h	0.76
Rated LLMF at 6,000 h	0.69
UV protection	Yes
Luminous flux	5500 lm

Dimensions & weight



E27  
IEC 7004-21

Diameter	55.0 mm
Length	144.0 mm
Light center length (LCL)	89.0 mm
Product weight	71.15 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	330 °C
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<b>Maximum permitted base edge temperature</b>	210 °C
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Lifespan

<b>Rated lamp survival factor at 2,000 h</b>	0.99
<b>Rated lamp survival factor at 4,000 h</b>	0.95
<b>Rated lamp survival factor at 6,000 h</b>	0.50
<b>Lifespan B50</b>	6000 h

Additional product data

<b>Base (standard designation)</b>	E27
<b>Design / version</b>	Clear
<b>Mercury content</b>	8.0 mg

Capabilities

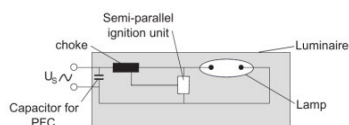
<b>Dimmable</b>	No
<b>Burning position</b>	Any
<b>Enclosed luminaire required</b>	No

Certificates & standards

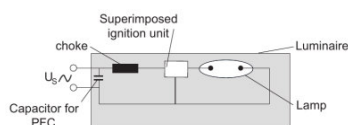
<b>Energy efficiency class</b>	A
<b>Energy efficiency class</b>	A
<b>Energy consumption</b>	77 kWh/1000h

Country-specific categorizations

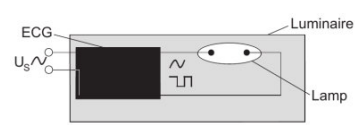
<b>ILCOS</b>	MCS/UB-70/842-H/E/SL-E27-56/141
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Circuit diagram



Circuit diagram



Circuit diagram

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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4050300397825	HQI-E 70 W/NDL CL	Shipping carton box 20	355 mm x 186 mm x 294 mm	19.41 dm <sup>3</sup>	2458.00 g
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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.

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#### DISCLAIMER

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