

# PRODUCT DATASHEET

## HQI-E 100 W/NDL CO

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



### AREAS OF APPLICATION

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

### PRODUCT BENEFITS

- E27 or E40 screw base for simple lamp handling
- Different light colors

### PRODUCT BENEFITS

- E27 or E40 screw base for simple lamp handling
- Different light colors



**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

**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

<b>Rated wattage</b>	100.00 W
<b>Lamp current</b>	1.1 A
<b>PFC capacitor at 50 Hz</b>	16 $\mu$ F <sup>1)</sup>
<b>Nominal wattage</b>	100.00 W
<b>Ignition voltage</b>	3.6 / 5.0 kVp <sup>2)</sup>

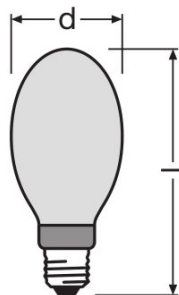
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

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

## Photometrical data

<b>Rated lamp efficacy (standard condition)</b>	77 lm/W
<b>Rated luminous flux</b>	7700 lm
<b>Color temperature</b>	4300 K
<b>Light color</b>	843
<b>Rated LLMF at 2,000 h</b>	0.79
<b>Rated LLMF at 4,000 h</b>	0.69
<b>Rated LLMF at 6,000 h</b>	0.66
<b>UV protection</b>	Yes
<b>Luminous flux</b>	7700 lm
<b>Color rendering index Ra</b>	84

Dimensions & weight



E27  
IEC 7004-21

<b>Diameter</b>	55.0 mm
<b>Length</b>	144.0 mm
<b>Product weight</b>	76.20 g

Temperatures & operating conditions

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

Lifespan

<b>Rated lamp survival factor at 2,000 h</b>	0.99
<b>Rated lamp survival factor at 4,000 h</b>	0.94
<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>	Coated
<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 consumption</b>	110 kWh/1000h

Country-specific categorizations


ILCOS

MES/UB-100/842-H/E/SL-E27-56/141

**SAFETY ADVICE**

NAV 100 W chokes and HQI 150 W igniters are suitable for operating HQI-E 100 W lamps.

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300345833	Folding carton box 1	145 mm x 60 mm x 67 mm	103.00 g	0.58 dm <sup>3</sup>
4050300345840	Shipping carton box 20	355 mm x 186 mm x 294 mm	2572.00 g	19.41 dm <sup>3</sup>

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.