

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



TECHNICAL DATA

Electrical data

Nominal wattage	100 W
Construction wattage	100.00 W
Ignition voltage	3.6/5.0 kVp ¹⁾
Nominal current	1.1 A
PFC capacitor at 50 Hz	16 µF

¹⁾ Minimum / Maximum

Photometrical data

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

Dimensions & Weight

Overall length	144.00 mm
Diameter	55,0 mm
Product weight	76.2 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	330 °C
Maximum permitted base edge temperature	210 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.94
Rated lamp survival factor at 6,000	0.50
Lifespan B50	6000 h



Operation mode LLMF/LSF	50 Hz
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Additional product data

Base (standard designation)	E27
Mercury content	8.0 mg
Mercury-free	No
Design / version	Coated

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No
Hot restart	No

Certificates & Standards

Energy efficiency class	A
Energy consumption	110.00 kWh/1000h

Country-specific categorizations

ILCOS	MES/UB-100/842-H/E/SL-E27-56/141
Order reference	HQI-E 100W/NDL


Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	144.00 mm
Height	55,0 mm
Width	55,0 mm

Safety advice

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

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LOGISTICAL DATA

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

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.