

PRODUCT DATASHEET

HQI-E 100 W/WDL 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

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	100.00 W
Rated wattage	100.00 W
Lamp current	1.1 A
PFC capacitor at 50 Hz	16 μ F ¹⁾
Ignition voltage	3.6 / 5.0 kVp ²⁾

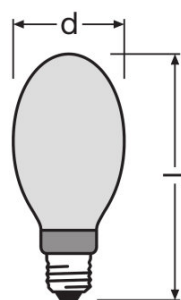
¹⁾ At rated voltage and $\cos \phi \geq 0.9$

²⁾ Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	79 lm/W
Rated luminous flux	8000 lm
Color rendering index Ra	75
Color temperature	3000 K
Light color	730
Rated LLMF at 2,000 h	0.66
Rated LLMF at 4,000 h	0.62
Rated LLMF at 6,000 h	0.52
Rated LLMF at 8,000 h	0.41
UV protection	Yes

Dimensions & weight



E27
IEC 7004-21

Diameter	55.0 mm
Length	141.0 mm
Product weight	81.33 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 h	0.99
Rated lamp survival factor at 6,000 h	0.97
Rated lamp survival factor at 8,000 h	0.90
Lifespan B50	10000 h

Additional product data

Base (standard designation)	E27
Design / version	Coated
Mercury content	11.2 mg

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

Certificates & standards

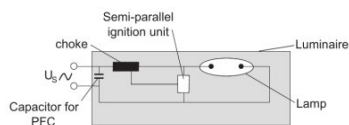
Energy efficiency class	A
Energy consumption	110 kWh/1000h

Country-specific categorizations

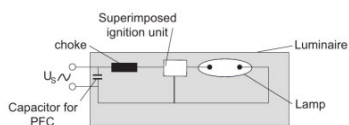
ILCOS	MES/UB-100/730-H/E/SL-E27-56/141
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SAFETY ADVICE

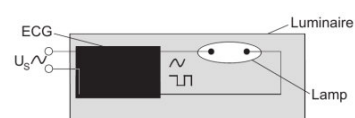
NAV 100 W chokes and HQI 150 W igniters are suitable for operating HQI-E 100 W lamps.



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
4050300351551	HQI-E 100 W/WDL CO	Shipping carton box 20	355 mm x 186 mm x 294 mm	19.41 dm ³	2548.25 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.