Product datasheet
HCI-E/P

POWERBALL HCI-E/P | Metal halide lamps for open and enclosed luminaires



Areas of application

- Shop interiors, shop windows
- Shopping arcades
- Foyers, reception areas
- Museums, exhibitions
- Exhibition halls and trade fairs
- Streets
- Pedestrian zones, public squares
- Parks and gardens
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- Very high efficiency
- Simple lamp installation/replacement in open luminaires
- Good color rendering
- Very good color stability
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

Product features

- POWERBALL ceramic technology
- Light color: warm white (830 WDL)



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Technical data

Electrical data

Nominal wattage	35.00 W
Rated wattage	38.00 W
Lamp current	0.53 A
PFC capacitor at 50 Hz	6 µF [1)]
Ignition voltage	3.6 kVp;5.0 kVp [2)]

1) At rated voltage and cos φ ≥ 0.9

2) Minimum; for superimposed ignition with square wave electronic ballast 3.0 kVp are sufficient;Maximum; this limit is for safety reasons

Photometrical data

Rated lamp efficacy (standard condition)	100 lm/W
Rated luminous flux	3800 lm
Color rendering index Ra	89
Color temperature	3050 K
Light color	3100
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.87
Rated LLMF at 8,000 h	0.85
Rated LLMF at 12,000 h	0.81
UV protection	Yes

Dimensions & weight

Diameter	54.0 mm
Length	138.0 mm
Product weight	72.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	330 °C
Maximum permitted base edge temperature	190 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.97
Rated lamp survival factor at 6,000 h	0.92
Rated lamp survival factor at 8,000 h	0.87
Rated lamp survival factor at 12,000 h	0.81

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Lifespan B50	16000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E27
Design / version	Coated
System guarantee level	3 (1/5)
Mercury content	4.3 mg

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

Certificates & standards

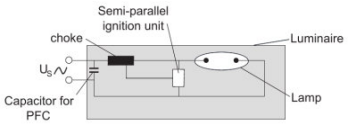
Energy efficiency class	A+
Energy consumption	42 kWh/1000h

Country specific categorizations

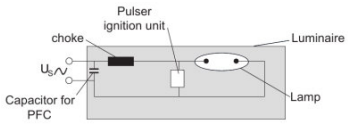
ILCOS	MES/UB-35/830-H/SL-E27-57/144

System guarantee

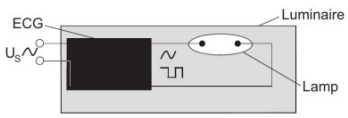
When operated with OSRAM POWERTRONIC control gear, an extended system guarantee is granted for these lamps



Circuit diagram



Circuit diagram



Circuit diagram

Logistical Data

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899439603	HCI-E/P	Shipping carton box 12 Pieces Folding carton box	370 mm x - x -	21.28 dm^3	2116.00 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.

References / Links

For more information on the system guarantee and the terms and conditions of the guarantee visit
- www.osram.com/system-guarantee

Disclaimer

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

OSRAM GMBH is distribution partner of LEDVANCE for Digital Lighting Systems and Components

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