PRODUCT DATASHEET
HCI-TS 70 W/930 WDL PB Excellence

POWERBALL HCI®-TS Excellence | Metal halide lamps with ceramic technology for enclosed luminaires

Areas of application

- Shopping arcades
- Foyers, reception areas
- Museums, exhibitions
- Exhibition halls and trade fairs
- Factories and workshops
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- Very high efficiency
- Excellent color rendering
- Very long lifetime
- 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 colors: warm white (930 WDL), neutral white (942 NDL)
- Color rendering index R_a: ≥ 90
- Average lifetime: 20,000 h (operation with ECG with 70...400 Hz square-wave current)

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- Average lifetime: 15,000 h (with magnetic control gear)

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TECHNICAL DATA

Electrical data

Nominal wattage	70 W
Construction wattage	73.00 W
Nominal voltage	89 V
Ignition voltage	3.6/5.0 kVp [1)]
Nominal current	0.82 A
PFC capacitor at 50 Hz	12 µF

1) Minimum / for superimposed ignition with square wave electronic ballast 3.0 kVp are sufficient

Photometrical data

Luminous flux	8400 lm [1)]
Luminous efficacy	108 lm/W
Color temperature	3000 K
Color rendering index Ra	90
Light color	930
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.91
Rated LLMF at 6,000 h	0.87
Rated LLMF at 8,000 h	0.85
Rated LLMF at 12,000 h	0.80
Rated lamp efficacy (standard co.)	115 lm/W
UV protection	Yes

1) In operation with electronic control gear with 70...400 Hz square-wave current.Operation with magnetic ballast can be less efficient

Dimensions & Weight

Overall length	120.00 mm
Light center length (LCL)	60,0 mm
Diameter	20.00 mm
Product weight	20.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	500 °C
Maximum permitted pinch temperature	350 °C

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Lifespan

Nominal lamp life time	20000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.99
Rated lamp survival factor at 6,000	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.92
Rated lamp survival factor at 16,000	0.80
Rated lamp survival factor at 20,000 h	0.50
Lifespan B50	20000 h [1)]
Operation mode LLMF/LSF	ECG

1) At ECG

Additional product data

Base (standard designation)	RX7s
Mercury content	5.7 mg
Mercury-free	No
Design / version	Clear
System guarantee level	3 (2/5)

Capabilities

Dimmable	Yes
Burning position	p45
Enclosed luminaire required	Yes
Hot restart	No

Certificates & Standards

Energy efficiency class	F
Energy consumption	80.30 kWh/1000h

Country-specific categorizations

ILCOS	MD/UB-70/930-H/E/SL-RX7s-19/117/H
Order reference	HCI-TS 70W/930W

Energy labellling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	RX7s
Length	120.00 mm

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Height	20.00 mm
Width	20.00 mm

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	Advertisements Metal halide lamps. Application guide V1.1
PDF	Advertisements 340203_EVG - Lamp Combination (G+GB)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899262737	Folding box 1	42 mm x 42 mm x 142 mm	37.00 g	0.25 dm^3
4052899262744	Shipping box 12	180 mm x 140 mm x 158 mm	472.00 g	3.98 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.

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