

# PRODUCT DATASHEET

## HCI-TC 35 W/930 WDL PB Excellence

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



### AREAS OF APPLICATION

- Shop interiors, shop windows
- Shopping arcades
- Foyers, reception areas
- Museums, exhibitions
- Accent lighting
- Decorative lighting
- 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  $R_a: \geq 90$
- Average lifetime: 20,000 h (operation with ECG with 70...400 Hz square-wave current)
- Average lifetime: 15,000 h (with magnetic control gear)
- HCI-TC 50 W, HCI-TC 35W/942 NDL and 70W/942 NDL only for operation with ECG with 70...400 Hz square-wave current



**TECHNICAL DATA**

Electrical data

<b>Rated wattage</b>	39.00 W
<b>Lamp current</b>	0.52 A
<b>PFC capacitor at 50 Hz</b>	6 $\mu$ F <sup>1)</sup>
<b>Nominal wattage</b>	35.00 W
<b>Ignition voltage</b>	3.6 / 5.0 kVp <sup>2)</sup>

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

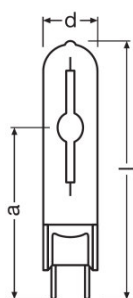
<sup>2)</sup> Minimum; for superimposed ignition with square wave electronic ballast 3.0 kVp are sufficient / Maximum; this limit is for safety reasons

Photometrical data

<b>Luminous efficacy</b>	108 lm/W
<b>Luminous flux</b>	4200 lm <sup>1)</sup>
<b>Light color</b>	930
<b>Rated LLMF at 2,000 h</b>	0.88
<b>Rated LLMF at 4,000 h</b>	0.84
<b>Rated LLMF at 6,000 h</b>	0.84
<b>Rated LLMF at 8,000 h</b>	0.80
<b>Rated LLMF at 12,000 h</b>	0.80
<b>UV protection</b>	Yes
<b>Color temperature</b>	3000 K
<b>Color rendering index Ra</b>	90

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

Dimensions & weight



<b>Diameter</b>	15.0 mm
<b>Length</b>	81.0 mm
<b>Light center length (LCL)</b>	52.0 mm
<b>Product weight</b>	9.00 g

## Lifespan

Rated lamp survival factor at 2,000 h	1.00
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.95
Rated lamp survival factor at 16,000 h	0.80
Rated lamp survival factor at 20,000 h	0.50
Lifespan B50	20000 h <sup>1)</sup>
Operation mode LLMF/LSF	ECG

<sup>1)</sup> At ECG

## Additional product data

Base (standard designation)	G8.5
System guarantee level	3 (2/5)
Mercury content	4.3 mg

## Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	Yes

## Certificates &amp; standards

Energy efficiency class	A+
Energy consumption	43 kWh/1000h

## Country-specific categorizations

ILCOS	MT/UB-35/930-H/E/SL-G8.5-17/85
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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899238664	Folding carton box 1	42 mm x 42 mm x 111 mm	23.00 g	0.20 dm <sup>3</sup>
4052899238671	Shipping carton box 12	180 mm x 140 mm x 127 mm	342.00 g	3.20 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.

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