

HCI-TC 70 W/930 WDL PB Plus

POWERBALL Plus HCI-TC | 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

- Higher efficiency in comparison to HCI-TC
- Better luminous flux maintenance in comparison to HCI-TC
- Excellent color rendering
- Very good rendering of red tones
- 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 (930 WDL)
- Only for operation with ECG with 70...400 Hz square-wave current
- Average lifetime: 15,000 hours
- Lumen maintenance factor: approx. 80 % after 12,000 hours
- Color rendering index R_a : 90



Product datasheet

Technical data

Electrical data

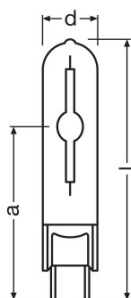
Nominal wattage	70.0 W
Rated wattage	73.00 W
Lamp current	0.86 A
Ignition voltage	3.6 / 5.0 kVp ¹⁾

¹⁾ Minimum; for superimposed ignition with square wave electronic ballast 3.0 kVp are sufficient / Maximum; this limit is for safety reasons

Photometrical data

Luminous flux	7700 lm
Luminous efficacy	107 lm/W
Color rendering index Ra	90
Color temperature	3000 K
Light color	930
UV protection	Yes

Dimensions & weight



Diameter	15.0 mm
Length	85.0 mm
Light center length (LCL)	52.0 mm
Product weight	9.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	550 °C
Maximum permitted pinch temperature	350 °C

Lifespan

Lifespan B50	15000 h ¹⁾
--------------	-----------------------

Product datasheet

¹⁾ At ECG

Additional product data

Base (standard designation)	G8.5
System guarantee level	3 (2/5)
Lamp mercury content	6.6 mg

Capabilities

Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	Yes

¹⁾ In combination with POWERTRONIC PTo

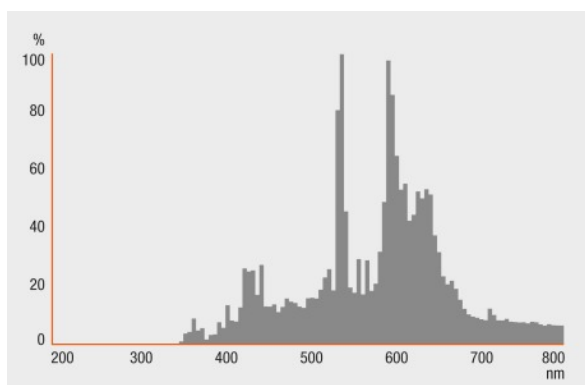
Certificates & standards

Energy efficiency class	A+
Energy consumption	81 kWh/1000h

Country specific categorizations

ILCOS	MT/UB-70/930-H/L-G8.5-17/85
-------	-----------------------------

Light Distribution



Spectral power distribution

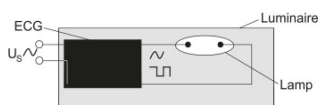
Product datasheet

System guarantee

For the vast majority of our lamps we are offering an extended system guarantee in conjunction with OSRAM POWERTRONIC control gear.



Guarantee



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321974204	HCI-TC 70 W/930 WDL PB Plus	Shipping carton box 12	180 mm x 127 mm x 140 mm	3.20 dm ³	325.00 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

Product datasheet

▶ www.osram.com/system-guarantee

Disclaimer

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