

HCI-TC 50 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 color: warm white (930 WDL)
- Color rendering index R_a : 90
- Average lifetime: 20,000 h (operation with ECG with 70...400 Hz square-wave current)
- Average lifetime: 15,000 hours (with magnetic control gear)
- HCI-TC 50 W only for operation with ECG with 70...400 Hz square-wave current



Product datasheet

Technical data

Electrical data

Nominal wattage	50.0 W
Rated wattage	50.00 W
Lamp current	0.56 A
PFC capacitor at 50 Hz	- 1)
Ignition voltage	3.6 / 5.0 kVp 2)

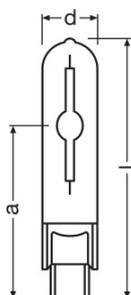
1) At rated voltage and $\cos \varphi \geq 0.9$

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

Photometrical data

Luminous efficacy	108 lm/W
Luminous flux	5400 lm
Color rendering index Ra	90
Light color	930
Rated LLMF at 2,000 h	0.94
Rated LLMF at 4,000 h	0.91
Rated LLMF at 6,000 h	0.86
Rated LLMF at 8,000 h	0.84
Rated LLMF at 12,000 h	0.80
UV protection	Yes

Dimensions & weight



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

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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	0.98
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 ¹⁾
Operation mode LLMF/LSF	ECG

¹⁾ At ECG

Additional product data

Base (standard designation)	G8.5
Product remark	Only for operation with electronic control gear with 70...400 Hz square-wave current
System guarantee level	3 (2/5)
Lamp mercury content	6.9 mg

Capabilities

Dimmable	Yes
Burning position	Any
Enclosed luminaire required	Yes

Certificates & standards

Energy efficiency class	A+
Energy consumption	55 kWh/1000h

Country specific categorizations

ILCOS	MT/UB-50/930-H/E/SL-G8.5-17/85
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Product datasheet



Guarantee



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899238787	HCI-TC 50 W/930 WDL PB Excellence	Shipping carton box 12	180 mm x 140 mm x 127 mm	3.20 dm ³	342.00 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.

Disclaimer

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