

HCI-TC 70 W/830 WDL G8.5

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



- Shop interiors, shop windows
- Shopping arcades
- Foyers, reception areas
- Museums, exhibitions
- Accent lighting
- Decorative lighting

Product benefits

- Very high efficiency
- Good to excellent 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
- UV filter technology
- Light colors: warm white (830 WDL), neutral white (942 NDL)
- Average life: 15,000 hours (on ECG in h90 burning position)
- Average life: 12,000 hours (on magnetic control gear)



Technical data

Electrical data

Nominal wattage	70 W
Lamp current	1 A
Rated wattage	71.9 W
PFC capacitor at 50 Hz	12 μ F ¹⁾

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

Light technical data

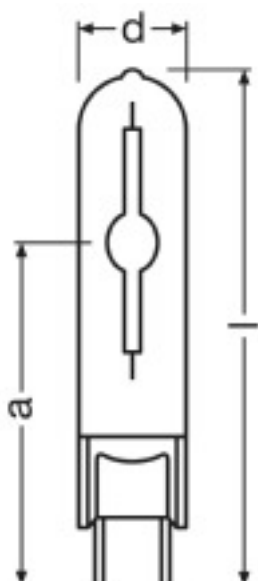
Luminous flux	7200 lm ¹⁾
Color rendering index Ra	89
Color rendering group	1A
Color temperature	3000 K
Luminous efficacy	99 lm/W ²⁾
Light color	830

¹⁾ In operation on low frequency square wave electronic ballast, 70-400 Hz. Operation on electromagnetic ballast may be less efficient.

²⁾ In operation on low frequency square wave electronic ballast, 70-400 Hz. Operation on electromagnetic ballast may be less efficient.

Dimensions & weight

Diameter	15.0 mm
Length	81.0 mm
Light center length (LCL)	52.0 mm



Product line drawing with letters

Colors & materials

Lamp mercury content	4.7 mg
Mercury-free	No

Temperatures

Maximum permitted pinch temperature	350 °C
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Lifespan

Lifespan B50	15000 / 12000 h ¹⁾
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¹⁾ At ECG / At CCG

Additional product data

Base (standard designation)	G8.5
Design / version	Clear

Capabilities

Burning position	Any
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Lamp-ECG combination (System)

PT-FIT 70 B

Nominal wattage + Power loss	0.00 (W)
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Products

PT-FIT 70 B

PT-FIT 70 I

Nominal wattage + Power loss	0.00 (W)
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Products

PT-FIT 70 I

PT-FIT 70 S

Nominal wattage + Power loss	0.00 (W)
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Products

PT-FIT 70 S

PTi 2x70/220-240 I

Nominal wattage + Power loss	0.00 (W)
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Products

PTi 2x70 I

PTi 2x70/220-240 S

Nominal wattage + Power loss	0.00 (W)
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Products

PTi 2x70 S

PTi 70 SNAP

Nominal wattage + Power loss	0.00 (W)
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Products

PTi 70 SNAP

PTi 70/220-240 I

Nominal wattage + Power loss	0.00 (W)
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Products

PTi 70 I

PTi 70/220-240 S

Nominal wattage + Power loss	0.00 (W)
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Products

PTi 70 S

PTi 70/220-240V B

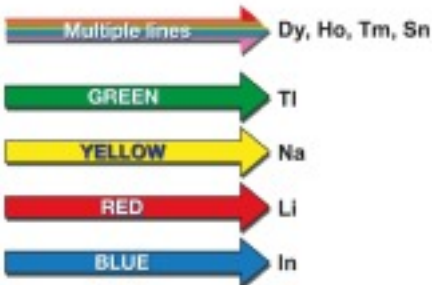
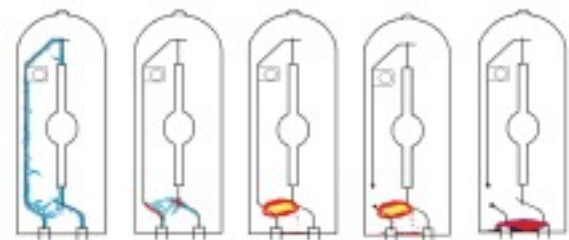
Nominal wattage + Power loss	0.00 (W)
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Products

PTi 70 B

System guarantee

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

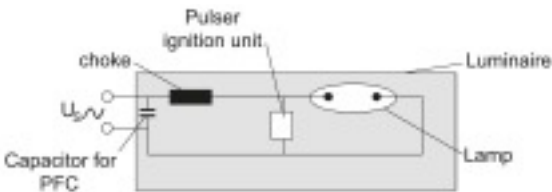
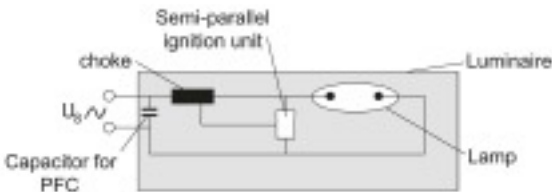


Variation possibilities of the Colour Temperature

		T_n	CRI
Daylight	D	> 5300 K	≥90
Neutral White	N	ca. 4000 K	60-69
Neutral White de luxe	NDL	4200 K	≥80
Warm White de luxe	WDL	3000 K	≥80

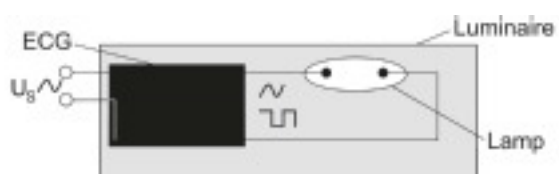
Others graphics

Others graphics



Circuit diagram

Circuit diagram



Circuit diagram

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4008321681799	Folding carton box 1	42 mm x 42 mm x 111 mm	23.00 g	0.20 dm ³
4008321681805	Shipping carton box 12	140 mm x 127 mm x 180 mm	363.00 g	3.20 dm ³

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.