

PRODUCT FAMILY DATASHEET

POWERBALL HCI-TF

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

- High efficiency
- Good to excellent color rendering
- Very good color stability
- Easy relamping thanks to Twist and Lock base
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

PRODUCT FEATURES

- POWERBALL ceramic technology
- Light color: warm white (830 WDL, 930 WDL)
- Average lifetime: 15,000 h
- Only for operation with ECG with 70...400 Hz square-wave current
- Twist and Lock base



TECHNICAL DATA

Product description	Electrical data				Photometrical data							
	Rated wattage	Lamp current	Nominal wattage	Ignition voltage	Luminous flux	Luminous efficacy	Color rendering index Ra	Color temperature	Light color	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h
HCI-TF 20 W/830 WDL PB ¹⁾	20.00 W	0.22 A	20.00 W	3.0 / 5.0 kVp ²⁾	1700 lm	85.0 lm/W	89	3000 K	830	0.80	0.75	0.73
HCI-TF 35 W/930 WDL PB ¹⁾	39.00 W	0.41 A	35.00 W	3.0 / 5.0 kVp ²⁾	3600 lm	92 lm/W	90	3000 K	930	0.90	0.88	0.85

Product description	Rated LLMF at 8,000 h	Rated LLMF at 12,000 h	UV protection	Color temperature	Dimensions & weight				Temperatures & operating conditions		Lifespan	
					Diameter	Length	Light center length (LCL)	Product weight	Max. permitted outer bulb temperature	Max. permitted pinch temp.	Rated lamp survival factor at 2,000 h	Rated lamp survival factor at 4,000 h
HCI-TF 20 W/830 WDL PB ¹⁾	0.70	0.69	Yes	3000 K	13.0 mm	57.0 mm	30.0 mm	8.10 g	380 °C	330 °C	0.99	0.98
HCI-TF 35 W/930 WDL PB ¹⁾	0.83	0.80	Yes	3000 K	13.0 mm	57.0 mm	30.0 mm	7.70 g	450 °C	330 °C	0.99	0.98

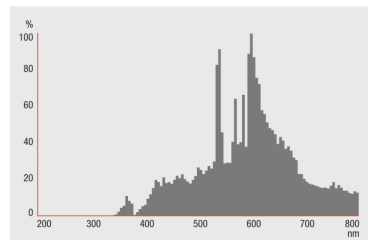
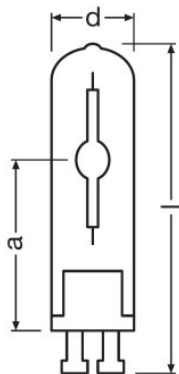
Product description	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h	Rated lamp survival factor at 12,000 h	Lifespan B50	Operation mode LLMF/LSF	Additional product data			Capabilities		
						Base (standard designation)	System guarantee level	Mercury content	Dimmable	Burning position	Enclosed luminaire required
HCI-TF 20 W/830 WDL PB ¹⁾	0.97	0.96	0.80	15000 h ³⁾	ECG	GU6.5	3 (2/5)	3.5 mg	No	Any	Yes
HCI-TF 35 W/930 WDL PB ¹⁾	0.97	0.96	0.80	15000 h ³⁾	ECG	GU6.5	3 (2/5)	4.4 mg	No	Any	Yes

Product description	Certificates & standards	Country-specific categorizations
	Energy consumption	ILCOS
HCI-TF 20 W/830 WDL PB ¹⁾	22 kWh/1000h	MT/UB-20/830-H/L-GU6.5-13.3/30
HCI-TF 35 W/930 WDL PB ¹⁾	43 kWh/1000h	MT/UB-35/930-H/L-GU6.5-13.3/30

¹⁾ Only for operation with electronic control gear with 70...400 Hz square-wave current

2) Minimum; for superimposed ignition with square wave electronic ballast

3) At ECG



HCI-TF 20 W/830 WDL PB, HCI-TF 35 W/930 WDL PB

HCI-TF 20 W/830 WDL PB, HCI-TF 35 W/930 WDL PB

SYSTEM GUARANTEE

When operated with OSRAM POWERTRONIC control gear, an extended system guarantee is granted for these lamps

APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321683052	Shipping carton box 12	180 mm x 127 mm x 140 mm	311.00 g	3.20 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321683038	Shipping carton box 12	180 mm x 127 mm x 140 mm	311.00 g	3.20 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.

REFERENCES / LINKS

For more information on the system guarantee and the terms and conditions of the guarantee visit

- ▶ www.ledvance.com/system-guarantee

DISCLAIMER

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