

PRODUCT FAMILY DATASHEET

POWERBALL HCI-TC Shoplight

Metal halide lamps with ceramic technology for enclosed luminaires



AREAS OF APPLICATION

- Shop interiors, shop windows
- Museums, exhibitions
- Accent lighting
- Decorative lighting
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Excellent color rendering
- Excellent rendering of red tones
- Very good color stability
- High efficiency
- 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)
- Average lifetime: 15,000 h (operation with ECG with 70...400 Hz square-wave current)
- Average lifetime: 12,000 h (with magnetic control gear)
- Color rendering index $R_a \geq 93$



TECHNICAL DATA

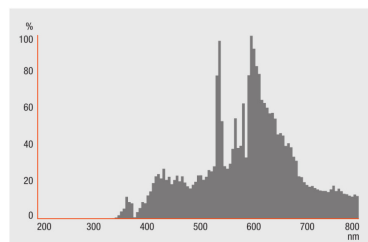
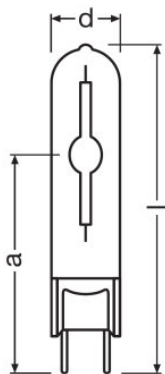
Product description	Electrical data					Photometrical data						
	Rated wattage	Lamp current	PFC capacitor at 50 Hz	Nominal wattage	Ignition voltage	Luminous flux	Luminous efficacy	Color rendering index Ra	Color temperature	Light color	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h
HCI-TC 35 W/930 WDL PB Shoplight	39.00 W	0.53 A	6 µF ¹⁾	35.00 W	3.6 / 5.0 kVp ²⁾	3100 lm ³⁾	79 lm/W ⁴⁾	93	3000 K	929	0.88	0.87
HCI-TC 70 W/930 WDL PB Shoplight	73.00 W	0.97 A	12 µF ¹⁾	70.00 W	3.6 / 5.0 kVp ²⁾	6800 lm ³⁾	93 lm/W ⁴⁾	94	3000 K	929	0.82	0.79

Product description	Rated LLMF at 6,000 h	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
HCI-TC 35 W/930 WDL PB Shoplight	0.84	0.83	0.80	Yes	2880 K	15.0 mm	81.0 mm	52.0 mm	9.00 g	500 °C	330 °C	0.99
HCI-TC 70 W/930 WDL PB Shoplight	0.78	0.74	0.60	Yes	2920 K	15.0 mm	81.0 mm	52.0 mm	9.00 g	550 °C	350 °C	0.99

Product description	Rated lamp survival factor at 4,000 h	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
HCI-TC 35 W/930 WDL PB Shoplight	0.98	0.97	0.96	0.80	15000 h ⁵⁾	ECG	G8.5	3 (2/5)	6.2 mg ⁶⁾	No	Any
HCI-TC 70 W/930 WDL PB Shoplight	0.98	0.97	0.96	0.80	15000 h ⁵⁾	ECG	G8.5	3 (2/5)	8.0 mg ⁶⁾	Yes ⁷⁾	Any

Product description	Enclosed luminaire required	Certificates & standards	Country-specific categorizations
		Energy consumption	ILCOS
HCI-TC 35 W/930 WDL PB Shoplight	Yes	43 kWh/1000h	MT/UB-35/930-H/SL-G8.5-17/85
HCI-TC 70 W/930 WDL PB Shoplight	Yes	81 kWh/1000h	MT/UB-70/930-H/SL-G8.5-17/85

- 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
- 3) In operation with electronic control gear with 70...400 Hz square-wave current. Operation with magnetic ballast can be less efficient
- 4) In operation with low frequency square wave electronic ballast, 70...400 Hz. Operation with electromagnetic ballast may be less efficient.
- 5) At ECG
- 6) Maximum
- 7) In combination with POWERTRONIC PTO



HCI-TC 35 W/930 WDL PB Shoplight,
HCI-TC 70 W/930 WDL PB Shoplight

HCI-TC 35 W/930 WDL PB Shoplight,
HCI-TC 70 W/930 WDL PB Shoplight

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
4008321682024	Shipping carton box 12	180 mm x 127 mm x 140 mm	357.00 g	3.20 dm ³
4008321681829	Shipping carton box 12	180 mm x 127 mm x 140 mm	363.00 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.