

## PRODUCT DATASHEET HCI-TT 50 W/830 SUPER 4Y

POWERBALL HCI®-TT SUPER 4Y | Metal halide lamps with ceramic technology for enclosed luminaires



### Areas of application

- Streets
- Outdoor lighting
- Industrial installations
- Exhibition halls and trade fairs
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

### Product benefits

- Up to 15 % higher lumen maintenance factor compared to HCI-TT standard lamps
- Up to 30 % higher lum. efficacy for lamps  $\leq 100$  W (comp. to NAV-T Super 4Y/6Y)
- Good color rendering
- Operation in existing HPS installations as ignition voltage of IEC 60662 is met
- Energy savings of up to 70 % when replacing mercury vapor lamps (HQL)
- Optimum energy efficiency on POWERTRONIC® PTo 3DIM ECGs
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

### Product features

- White light due to POWERBALL® ceramic technology
- Light color: warm white (830 WDL)
- Extended service lifetime: 4 years (at approx. 11 h/day)



- Very high luminous efficacy: up to 125 lm/W
- Lamp survival factor: 95 % after 16,000 h burning time
- Average lifetime: up to 24,000 h
- ErP compliant according to EU Regulation 245/2009
- Dimmable on conventional control gears and electronic control gears

**TECHNICAL DATA**

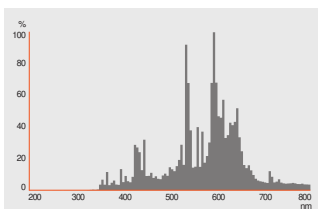
**Electrical data**

Nominal wattage	50 W
Construction wattage	56.00 W
Nominal voltage	95 V
Ignition voltage	1.8/5.0 kVp <sup>1)</sup>
Nominal current	0.73 A
PFC capacitor at 50 Hz	10 µF

<sup>1)</sup> Minimum / Maximum

**Photometrical data**

Luminous flux	6000 lm
Luminous efficacy	109 lm/W
Color temperature	3100 K
Color rendering index Ra	80
Light color	831
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.89
Rated LLMF at 8,000 h	0.88
Rated LLMF at 12,000 h	0.85
Rated LLMF at 16,000 h	0.86
Rated LLMF at 20,000 h	0.75
Rated lamp efficacy (standard co.)	107 lm/W
UV protection	Yes



**Dimensions & Weight**

Overall length	155.00 mm
Light center length (LCL)	102,0 mm
Diameter	35.00 mm
Product weight	50.00 g

### Temperatures & operating conditions

Maximum permitted outer bulb temperature	350 °C
Maximum permitted base edge temperature	210 °C

### Lifespan

Lifespan	24000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.99
Rated lamp survival factor at 6,000	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.97
Rated lamp survival factor at 16,000	0.95
Rated lamp survival factor at 20,000 h	0.78
Lifespan B10	18000 h
Lifespan B5	16000 h
Lifespan B50	24000 h
Operation mode LLMF/LSF	50 Hz

### Additional product data

Base (standard designation)	E27
Mercury content	6.8 mg
Mercury-free	No
Design / version	Clear
System guarantee level	3 (2/5)

### Capabilities

Dimmable	Yes <sup>1)</sup>
Burning position	Any
Enclosed luminaire required	Yes

<sup>1)</sup> In combination with POWERTRONIC PTo

### Certificates & Standards

Energy efficiency class	F
Energy consumption	61.60 kWh/1000h

### Country-specific categorizations

ILCOS	MT/UB-50/830-H/E/SL-E27-32/155
Order reference	HCI-TT 50W/830



### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	156.00 mm
Height	35.00 mm
Width	35.00 mm

### Safety advice

- Where possible, use a timer igniter (switch-off time of at least 15 minutes). Otherwise, switch off the luminaire for at least 15 minutes if a brief interruption has occurred to the mains voltage supply.

### DOWNLOAD DATA

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### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899378353	Sleeve 1	39 mm x 39 mm x 196 mm	67.00 g	0.30 dm <sup>3</sup>
4052899378360	Shipping box 12	168 mm x 130 mm x 212 mm	930.00 g	4.63 dm <sup>3</sup>

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](http://www.ledvance.com/system-guarantee)

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