PRODUCT DATASHEET
HCI-TT 150 W/942 NDL PB

POWERBALL HCI-TT | 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

- Very long lifetime
- High luminous efficacy
- 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: neutral white (NDL)
- Lamp survival factor: 95 % after 12,000 h burning time
- Dimmable on conventional control gears and electronic control gears



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TECHNICAL DATA

Electrical data

Rated wattage	147.00 W
Lamp current	1.79 A
PFC capacitor at 50 Hz	20 µF [1)]
Nominal wattage	150.00 W
Nominal voltage	101 V
Ignition voltage	3.3 / 5.0 kVp [2)]

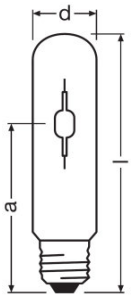
[1)] At rated voltage and cos φ ≥ 0.9

[2)] Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	105 lm/W
Rated luminous flux	15400 lm
Color temperature	3900 K
Light color	939
Rated LLMF at 2,000 h	0.88
Rated LLMF at 4,000 h	0.86
Rated LLMF at 6,000 h	0.84
Rated LLMF at 8,000 h	0.82
Rated LLMF at 12,000 h	0.80
Rated LLMF at 16,000 h	0.75
Rated LLMF at 20,000 h	0.70
UV protection	Yes
Luminous flux	15400 lm
Color rendering index Ra	95

Dimensions & weight



Diameter	47.0 mm
Length	210.0 mm

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Light center length (LCL)	132.0 mm
Product weight	130.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	450 °C
Maximum permitted base edge temperature	210 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.98
Rated lamp survival factor at 6,000 h	0.97
Rated lamp survival factor at 8,000 h	0.96
Rated lamp survival factor at 12,000 h	0.80
Rated lamp survival factor at 16,000 h	0.50
Rated lamp survival factor at 20,000 h	0.20
Lifespan B50	18000 h
Lifespan B10	14000 h
Lifespan B5	12000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
Product remark	ErP compliant according to EU Regulation 245/2009
Design / version	Clear
System guarantee level	3 (2/5)
Mercury content	11.9 mg [1)]

[1)] Maximum

Capabilities

Dimmable	Yes [1)]
Burning position	Any
Enclosed luminaire required	Yes

[1)] In combination with POWERTRONIC PTo

Certificates & standards

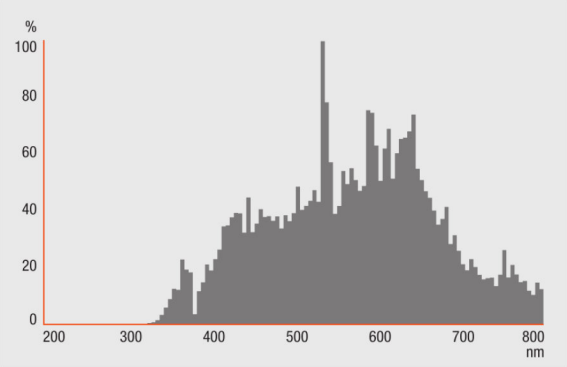
Energy efficiency class	A+
Energy consumption	162 kWh/1000h

Country-specific categorizations

ILCOS	MT/UB-150/942-H/E/SL-E40-47/210

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Light Distribution



Spectral power distribution

SYSTEM GUARANTEE

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

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.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321689016	Sleeves 1	260 mm x 52 mm x 61 mm	148.00 g	0.82 dm^3
4008321689023	Shipping carton box 12	277 mm x 288 mm x 217 mm	2262.00 g	17.31 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

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DISCLAIMER

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