

# PRODUCT DATASHEET

## HCI-T 150 W/942 NDL PB

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



### Areas of application

- Shop interiors, shop windows
- Shopping arcades
- Foyers, reception areas
- Museums, exhibitions
- Exhibition halls and trade fairs
- Factories and workshops
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

### 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
- Light colors: warm white (830 WDL, 930 WDL), neutral white (942 NDL)
- Average lifetime: 15,000 h (ECG with 70...400 Hz square-wave current)
- Average lifetime 150 W version: 20,000 h (ECG with 70...400 Hz square-wave current)
- Average lifetime: 12,000 h (with magnetic control gear)



TECHNICAL DATA

Electrical data

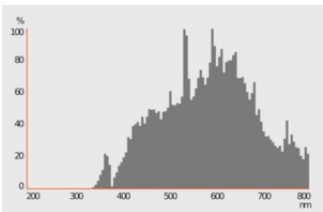
Nominal wattage	150 W
Construction wattage	147.00 W
Nominal voltage	96 V
Ignition voltage	3.6/5.0 kVp <sup>1)</sup>
Nominal current	1.85 A
PFC capacitor at 50 Hz	20 µF

1) Minimum / for superimposed ignition with square wave electronic ballast 3.0 kVp are sufficient

Photometrical data

Luminous flux	16200 lm
Luminous efficacy	110 lm/W <sup>1)</sup>
Color temperature	4200 K
Color rendering index Ra	94
Light color	942
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.87
Rated LLMF at 8,000 h	0.85
Rated LLMF at 12,000 h	0.80
Rated LLMF at 16,000 h	0.75
Rated LLMF at 20,000 h	0.70
Rated lamp efficacy (standard co.)	110 lm/W
UV protection	Yes

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



## Dimensions & Weight

Overall length	105.00 mm
Light center length (LCL)	56,0 mm
Diameter	20,0 mm
Product weight	34.00 g

## Temperatures & operating conditions

Maximum permitted outer bulb temperature	550 °C
Maximum permitted pinch temperature	350 °C

## Lifespan

Lifespan	20000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.98
Rated lamp survival factor at 6,000	0.97
Rated lamp survival factor at 8,000 h	0.96
Rated lamp survival factor at 12,000 h	0.90
Rated lamp survival factor at 16,000	0.80
Rated lamp survival factor at 20,000 h	0.50
Lifespan B50	20000 h <sup>1)</sup>
Operation mode LLMF/LSF	ECG

<sup>1)</sup> At ECG

## Additional product data

Base (standard designation)	G12
Mercury content	16.2 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
Hot restart	No

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

## Certificates & Standards

Energy efficiency class	A+
Energy consumption	161.70 kWh/1000h



## Country-specific categorizations

ILCOS	MT/UB-150/942-H/SL-G12-20/100
Order reference	HCI-T 150W/942

## Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G12
Length	105.00 mm
Height	20,0 mm
Width	20,0 mm

## DOWNLOAD DATA

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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899372399	Folding box 1	42 mm x 42 mm x 142 mm	49.00 g	0.25 dm <sup>3</sup>
4052899372405	Shipping box 12	180 mm x 140 mm x 158 mm	670.00 g	3.98 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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