

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

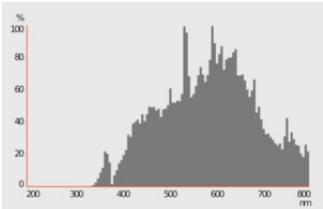
Nominal wattage	150 W
Construction wattage	147.00 W
Nominal voltage	96 V
Ignition voltage	3.6/5.0 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor, Electronic control gear (ECG)
Nominal current	1.85 A
PFC capacitor at 50 Hz	20 µF

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 ¹⁾
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 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.



384070_HCI_942_NDL

Dimensions & Weight

Overall length	105.00 mm
Light center length (LCL)	56,0 mm
Diameter	20,0 mm
Maximum diameter	19 mm
Product weight	29.2 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	550 °C
Maximum permitted pinch temperature	350 °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	0.90
Rated lamp survival factor at 16,000	0.80
Rated lamp survival factor at 20,000 h	0.50
Lifespan B50	20000 h ¹⁾
Operation mode LLMF/LSF	ECG

¹⁾ At ECG

Additional product data

Base (standard designation)	G12
Mercury content	14.0 mg
Mercury-free	No
Design / version	Clear
System guarantee level	3 (2/5)

Capabilities

Dimmable	Yes ¹⁾
Burning position	Any
Enclosed luminaire required	Yes
Hot restart	No

1) In combination with POWERTRONIC PTo

Certificates & Standards

Energy efficiency class	F
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

Lighting technology used	MH
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	G12
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	SECOND
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Length	105.00 mm
Height	20,0 mm
Width	20,0 mm
Chromaticity coordinate x	0.371
Chromaticity coordinate y	0.367
Beam angle correspondence	SPHERE_360
EPREL ID	1535138
Model number	AB42121

DOWNLOAD DATA

Photometric and lighting design files		Document name
	Spectral power distribution	384070_HCI_942_NDL

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 ³
4052899372405	Shipping box 12	180 mm x 140 mm x 158 mm	612.00 g	3.98 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.