

PRODUCT DATASHEET

HCI-T 150 W/930 WDL 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)



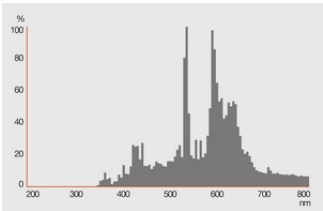
TECHNICAL DATA

Electrical data

Nominal wattage [calc.]	150 W
Construction wattage [PICOS]	147.00 W
Nominal voltage [calc.]	95 V
Ignition voltage	3.6/5.0 kVp
Operating mode [calc.]	Conventional control gear (CCG) and ignitor, Electronic control gear (ECG)
Nominal current [calc.]	1.8 A
PFC capacitor at 50 Hz	20 µF

Photometrical data

Luminous flux [calc.]	17000 lm
Luminous efficacy [calc.]	119 lm/W
Color temperature [calc.]	3000 K
Color rendering index Ra [calc.]	91
Light color [calc.]	930
Rated LLMF at _2,000 h [PICOS]	0.92
Rated LLMF at _4,000 h [PICOS]	0.91
Rated LLMF at _6,000 h [PICOS]	0.87
Rated LLMF at _8,000 h [PICOS]	0.85
Rated LLMF at 12,000 h [PICOS]	0.80
Rated lamp efficacy (standard co [PICOS]	119 lm/W
UV protection	Yes



384068_HCI_930_PLUS

Dimensions & Weight

Construction length [PICOS]	105.00 mm
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Light center length (LCL)	56,0 mm
Diameter [calc.]	20,0 mm
Maximum diameter [PICOS]	19 mm
Product weight [AGGR]	29.2 g

Temperatures & operating conditions

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

Lifespan

Rated LSF at _2,000 h [PICOS]	0.99
Rated LSF at _4,000 h [PICOS]	0.98
Rated LSF at _6,000 h [PICOS]	0.97
Rated LSF at _8,000 h [PICOS]	0.96
Rated LSF at 12,000 h [PICOS]	0.90
Rated LSF at 16,000 h [PICOS]	0.80
Rated LSF at 20,000 h [PICOS]	0.50
Lifespan B50	20000 h
Operation mode LLMF/LSF [PICOS]	ECG

Additional product data

Base (standard designation) [calc.]	G12
Mercury content [PICOS]	14.2 mg
Mercury-free	No
Design / version	Clear
System guarantee level	3 (2/5)

Capabilities

Dimmable [calc.]	Yes
Burning position	Any
Enclosed luminaire required	Yes
Hot restart	No

Certificates & Standards

Energy efficiency class [calc.]	F
Energy consumption [PICOS]	161.70 kWh/1000h

Country-specific categorizations

ILCOS	MT/UB-150/930-H/SL-G12-20/100
Order reference [calc.]	HCI-T 150W/930

Energy labelling regulation data acc EU 2019/2015

EPREL - Lighting technology used	MH
EPREL - Non-directional or directional	NDLS
EPREL - Mains or non-mains	NMLS
EPREL - Light source cap-type (or other electric interface)	G12
EPREL - Connected light source (CLS)	No
EPREL - Colour-tuneable light source	No
EPREL - Envelope	SECOND
EPREL - High luminance light source	No
EPREL - Anti-glare shield	No
EPREL - Correlated colour temperature type	SINGLE_VALUE
EPREL - Claim of equivalent power	No
Length [calc.]	105.00 mm
Height (incl. cylin. luminaires) [calc.]	20,0 mm
Width (incl. round luminaires) [Calc.]	20,0 mm
EPREL - X_Color coordinates chromaticity diagram	0.438
EPREL - Y_Color coordinates chromaticity diagram	0.399
EPREL - Beam angle correspondence	SPHERE_360
EPREL ID	1535137
Model number	AB42120

DOWNLOAD DATA

Photometric and lighting design files		Document name
	Spectral power distribution	384068_HCI_930_PLUS

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.