

PRODUCT DATASHEET

HCI-TS 150 W/942 NDL PB

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



Areas of application

- Shopping arcades
- Foyers, reception areas
- Museums, exhibitions
- Exhibition halls and trade fairs
- Factories and workshops
- Buildings, monuments, bridges
- 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
- Average lifetime: 15,000 h (operation with ECG with 70...400 Hz square-wave current)
- Average lifetime: 12,000 h (with magnetic control gear)



TECHNICAL DATA

Electrical data

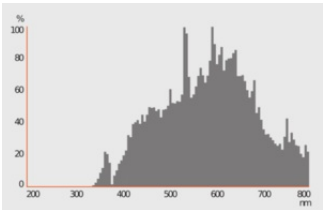
Nominal wattage	150 W
Construction wattage	150.00 W
Nominal voltage	98 V
Ignition voltage	3.6/5.0 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor, Electronic control gear (ECG)
Nominal current	1.8 A
PFC capacitor at 50 Hz	20 µF

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

Photometrical data

Luminous flux	14800 lm
Luminous efficacy	99 lm/W ¹⁾
Color temperature	4000 K
Color rendering index Ra	93
Light color	940
Rated LLMF at 2,000 h	0.85
Rated LLMF at 4,000 h	0.75
Rated LLMF at 6,000 h	0.70
Rated LLMF at 8,000 h	0.67
Rated LLMF at 12,000 h	0.65
Rated LLMF at 16,000 h	0.62
Rated LLMF at 20,000 h	0.60
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	138.00 mm
Light center length (LCL)	69.00 mm
Diameter	23 mm
Product weight	26.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	650 °C
Maximum permitted pinch temperature	330 °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	0.50
Rated lamp survival factor at 20,000 h	0.19
Lifespan B50	15000 h ¹⁾

¹⁾ At ECG

Additional product data

Base (standard designation)	RX7s-24
Mercury content	18.2 mg ¹⁾
Design / version	Clear
System guarantee level	3 (2/5)

¹⁾ Maximum

Capabilities

Dimmable	Yes ¹⁾
Burning position	P45
Enclosed luminaire required	Yes
Hot restart	No

¹⁾ In combination with POWERTRONIC PTO

Certificates & Standards

Energy efficiency class	F
Energy consumption	150.00 kWh/1000h



Country-specific categorizations




ILCOS	MD/UB-150/942-H/SL-RX7s=24-25/132/H
Order reference	HCI-TS 150W/942

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	OTHER_HID
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	RX7s-24
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	138.00 mm
Height	23 mm
Width	23 mm
Chromaticity coordinate x	0,381
Chromaticity coordinate y	0,373
Beam angle correspondence	SPHERE_360
EPREL ID	666224
Model number	AM42363

DOWNLOAD DATA

	Documents and certificates	Document name
	User instruction / safety instructions	High Intensity Discharge Lamp UI
	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4072117-EN-01 - HCI

Documents and certificates		Document name
	Certificates	EAC RU C-DE.AYA46.B.16106_20 13.10.2020-12.10.2025 Rostest-Moskva - MH double capped
	Certificates	EAC N RU D-DE.MU62.B.00932_20 06.03.2020-05.03.2025 Prommash Test - MH
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
4008321679871	Folding box 1	42 mm x 42 mm x 159 mm	43.00 g	0.28 dm ³
4008321679888	Shipping box 12	180 mm x 140 mm x 175 mm	603.00 g	4.41 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.