

HCI-T 35 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), neutral white (942 NDL)
- Average lifetime: 15,000 h (operation with ECG with 70...400 Hz square-wave current)
- Average lifetime: 12,000 h (with magnetic control gear)
- HCI-T 50 W only for operation with ECG with 70...400 Hz square-wave current



Technical data

Electrical data

Nominal wattage	35,00 W
Rated wattage	39,00 W ¹⁾
Lamp current	0,53 A
PFC capacitor at 50 Hz	6 µF ²⁾
Ignition voltage	3,6 kVp;5,0 kVp ³⁾

1) In operation with electronic control gear with 70...400 Hz square-wave current

2) Alla tensione nominale e $\cos \varphi \geq 0,9$

3) Minimo; per accensione a sovrapposizione con alimentatore elettronico con corrente a onda quadra sono sufficienti 3,0kVp;Massimo; questo limite è per motivi di sicurezza

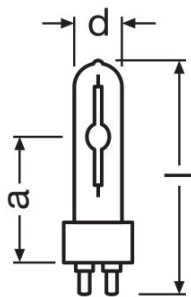
Photometrical data

Luminous flux	3400 lm ¹⁾
Luminous efficacy	87 lm/W ²⁾
Color rendering index Ra	91
Color temperature	3750 K
Light color	938
Rated LLMF at 2,000 h	0,92
Rated LLMF at 4,000 h	0,91
Rated LLMF at 6,000 h	0,91
Rated LLMF at 8,000 h	0,89
Rated LLMF at 12,000 h	0,84
UV protection	Si

1) In funzione con alimentatore elettronico con corrente a onda quadra 70...400 HzIl funzionamento con alimentatore magnetico può essere meno efficace

2) In funzione con alimentatore elettronico con corrente a onda quadra a bassa frequenza, 70...400 Hz. Il funzionamento con alimentatore elettromagnetico può essere meno efficace.

Dimensions & weight



Product datasheet

Diameter	20,0 mm
Length	100,0 mm
Light center length (LCL)	56,0 mm
Product weight	27,00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	500 °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	0,80
Lifespan B50	15000 h ¹⁾
Operation mode LLMF/LSF	ECG

¹⁾ A alimentatore elettronico

Additional product data

Base (standard designation)	G12
Design / version	Chiaro
System guarantee level	3 (2/5)
Mercury content	5,4 mg ¹⁾

¹⁾ Maximum

Capabilities

Dimmable	No
Burning position	Universale
Enclosed luminaire required	Si
Hot restart	No

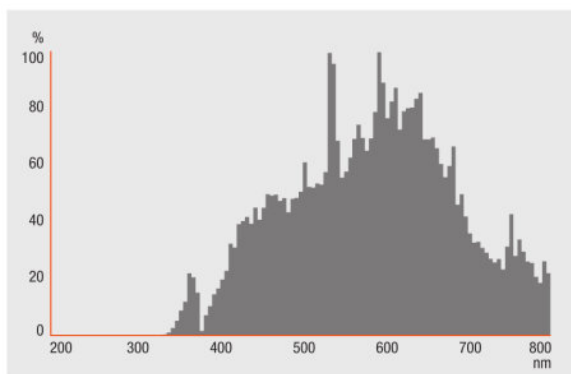
Certificates & standards

Energy efficiency class	A+
Energy consumption	43 kWh/1000h

Country specific categorizations

ILCOS	MT/UB-35/942-H/SL-G12-20/90
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Light Distribution



Spectral power distribution

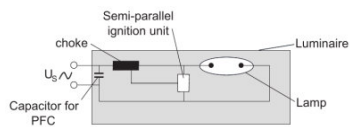
System guarantee

For the vast majority of our lamps we are offering an extended system guarantee in conjunction with OSRAM POWERTRONIC control gear.

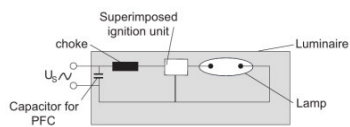


Guarantee

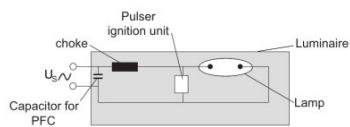
Product datasheet



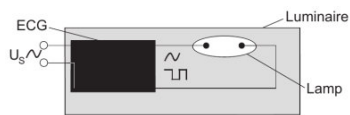
Circuit diagram



Circuit diagram



Circuit diagram



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321681898	HCI-T 35 W/942 NDL PB	Shipping carton box 12 Pieces Folding carton box	180 mm x - x -	4.01 dm ³	586.00 g

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.osram.com/system-guarantee

Disclaimer

Product datasheet

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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Product name	Product name ECG	EAN
HCI-T 35 W/942 NDL PB	PT-FIT 35/220-240 I	4008321377661
	PT-FIT 35/220-240 S	4008321386625
	PTi 35/220-240 I	4008321099488
	PTi 35/220-240 S	4008321073112
	PTi 35/220-240 S MINI	4008321955906
	PTo 35/220-240	4008321956323