
Product datasheet

HCI-T 35 W/942 ND L PB

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



Product datasheet

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 μ F ²⁾
Ignition voltage	3.6 kVp;5.0 kVp ³⁾
Nominal voltage	86 V
Nominal current	0.53 A

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

²⁾ At rated voltage and $\cos \varphi \geq 0.9$

³⁾ Minimum; for superimposed ignition with square wave electronic ballast 3.0 kVp are sufficient;Maximum; this limit is for safety reasons

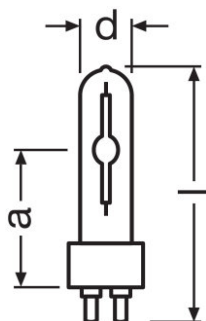
Photometrical data

Luminous flux	3400 lm ¹⁾
Luminous efficacy	87 lm/W ²⁾
Color rendering index Ra	91
Color temperature	3750 K
Light color	938
UV protection	Yes
Rated luminous flux	3400 lm
Nominal luminous flux	3400 lm ¹⁾
Rated color temperature	3750 K

¹⁾ In operation with electronic control gear with 70...400 Hz square-wave current.Operation with magnetic ballast can be less efficient

²⁾ In operation with low frequency square wave electronic ballast, 70...400 Hz. Operation with electromagnetic ballast may be less efficient.

Dimensions & weight



Diameter	20.0 mm
Length	100.0 mm

Product datasheet

Light center length (LCL)	56.0 mm
Product weight	27.00 g
Outer bulb	T19
Overall length	100.0 mm

Temperatures & operating conditions

Maximum permitted outer bulb temperature	500 °C
Maximum permitted pinch temperature	350 °C

Lifespan

Lifespan B50	15000 h ¹⁾
--------------	-----------------------

¹⁾ At ECG

Additional product data

Base (standard designation)	G12
Design / version	clear
System guarantee level	3 (2/5)
Mercury content	3.6 mg ¹⁾
Appropriate disposal acc. to WEEE	Yes
Mercury-free	No

¹⁾ Maximum

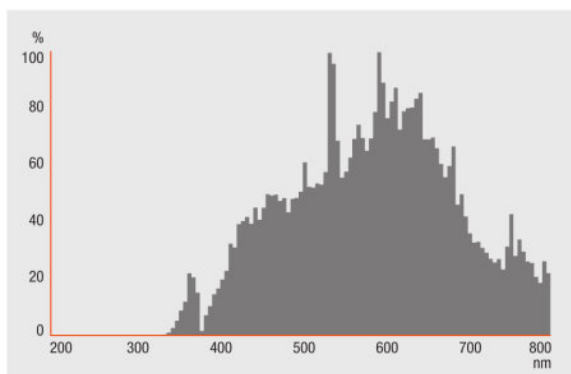
Capabilities

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

Country specific categorizations

ILCOS	MT/UB-35/942-H/SL-G12-20/90
Order reference	HCI-T 35W/942 N

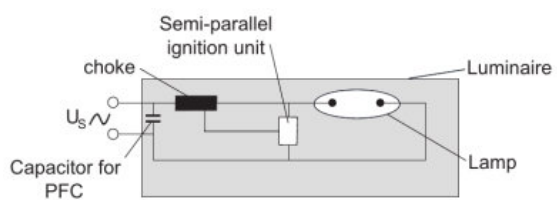
Light Distribution



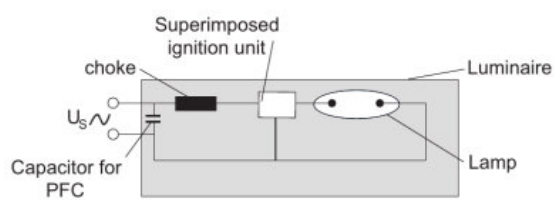
HCI_942_NDL

System guarantee

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

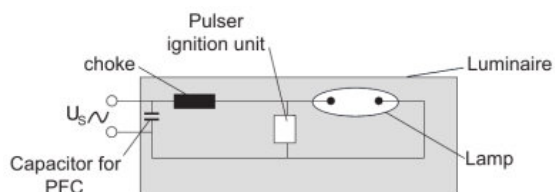


OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH SEMI-PARALLEL IGNITION UNIT

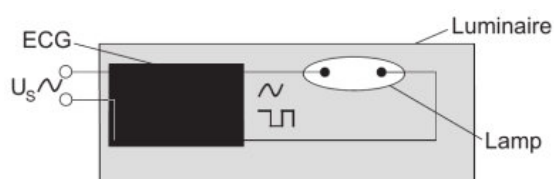


OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH A SUPERIMPOSED IGNITION UNIT

Product datasheet



OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH PULSE IGNITION UNIT



ELEKTRONIC OPERATION OF HIGH INTENSITY DISCHARGE LAMPS

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 164 mm x 136 mm	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

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

OSRAM is distribution partner of LEDVANCE of LAMPS

OSRAM

OSRAM GmbH
Marcel-Breuer-Strasse 6
80807 Munich, Germany

HCI-T 35 W/942 NDL PB

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

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