

PRODUCT DATASHEET HQI-T 70 W/WDL

POWERSTAR HQI®-T G12 | Metal halide lamps with quartz technology for enclosed luminaires



Areas of application

- Shopping arcades
- Exhibition halls and trade fairs
- Factories and workshops
- Pedestrian zones, public squares
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- High efficiency
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

Product features

- POWERSTAR® quartz technology
- Light colors: warm white (WDL), neutral white (NDL)





TECHNICAL DATA

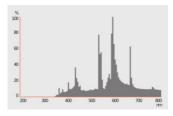
Electrical data

Nominal wattage	70 W
Construction wattage	75.00 W
Nominal voltage	101 V
Ignition voltage	3.6/5.0 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor, Electronic control gear (ECG)
Nominal current	0.95 A
PFC capacitor at 50 Hz	12 µF

¹⁾ Minimum / Maximum

Photometrical data

Luminous flux	5400 lm
Luminous efficacy	72 lm/W
Color temperature	3075 K
Color rendering index Ra	73
Light color	730
Rated LLMF at 2,000 h	0.85
Rated LLMF at 4,000 h	0.80
Rated LLMF at 6,000 h	0.75
Rated LLMF at 8,000 h	0.70
UV protection	Yes



Dimensions & Weight

Overall length	84.00 mm
Light center length (LCL)	56,0 mm

Diameter 25,0 mm Product weight 30,00 g Temperatures & operating conditions Maximum permitted pinch temperature 280 °C Lifespan Rated lamp survival factor at 2,000 h 0,87 Rated lamp survival factor at 4,000 h 0,85 Rated lamp survival factor at 4,000 h 0,75 Rated lamp survival factor at 8,000 h 0,75 Rated lamp survival factor at 8,000 h 0,60 Lifespan B50 9000 h Additional product data Base (standard designation) 612 Mercury content 13,0 mg Design / version Clear Capabilities Dimmable No Burning position Any Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class G Energy efficiency class G Energy efficiency class G Energy efficiency class G Energy consumption 76,00 kWh/1000h Country-specific categorizations LCOS MT/UB-70/730-H/E/SL-G12-25/84 Order reference HQI-T 70W/WOL U Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional NDLS Mains or non-mains NMLS Lights source cap-type (or other electric interface) G12 Connected lither source (CLS)				
Temperatures & operating conditions Maximum permitted pinch temperature 280 °C Lifespan Rated lamp survival factor at 2,000 h Rated lamp survival factor at 4,000 h Rated lamp survival factor at 6,000 h Rated lamp survival factor at 8,000 h O.75 Rated lamp survival factor at 8,000 h Lifespan B50 9000 h Additional product data Base (standard designation) G12 Mercury content 13.0 mg Design / version Clear Capabilities Dimmable No Burning position Any Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class Energy efficiency class Energy consumption Country-specific categorizations ILCOS MT/UB-70/730-H/E/SL-G12-25/84 Order reference HQI-T 70W/NDL U Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional Mains or non-mains NMLS Light source cap-type (or other electric interface) G12	Diameter	25,0 mm		
Maximum permitted pinch temperature 280 °C Lifespan Rated lamp survival factor at 2,000 h 0.87 Rated lamp survival factor at 4,000 h 0.85 Rated lamp survival factor at 8,000 h 0.75 Rated lamp survival factor at 8,000 h 0.60 Lifespan B50 9000 h Additional product data Base (standard designation) 612 Mercury content 13,0 mg Design / version Clear Capabilities Dimmable No Burning position Any Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class G Energy consumption 76,00 kWhy1000h Country-specific categorizations ILCOS MT/UB-70/730-H/E/SL-G12-25/84 Order reference HQI-T 70W/WDL U 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	Product weight	30.00 g		
Lifespan Rated lamp survival factor at 2,000 h Rated lamp survival factor at 4,000 h Rated lamp survival factor at 6,000 h Rated lamp survival factor at 8,000 h Lifespan B50 9000 h Additional product data Base (standard designation) G12 Mercury content 13.0 mg Design / version Clear Capabilities Dimnable No Burning position Any Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class Energy efficiency class Energy efficiency class Ligos Ligos MT/UB-70/730-H/E/SL-G12-25/84 Order reference HQI-T 70W/WDL U Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional Mills Light source cap-type (or other electric interface) G12	Temperatures & operating conditions			
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Order reference HQI-T 70W/WDL U 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	Country-specific categorizations			
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Lighting technology used MH Non-directional or directional NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) G12	Order reference	HQI-T 70W/WDL U		
Non-directional or directional NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) G12	Energy labelling regulation data acc EU 2019/2015			
Mains or non-mains NMLS Light source cap-type (or other electric interface) G12	Lighting technology used	МН		
Light source cap-type (or other electric interface) G12	Non-directional or directional	NDLS		
	Mains or non-mains	NMLS		
Connected light source (CLS)	Light source cap-type (or other electric interface)	G12		
Connected agric source (CLS)	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	84.00 mm
Height	25,0 mm
Width	25,0 mm
Beam angle correspondence	SPHERE_360
EPREL ID	666225
Model number	AM42352

ADDITIONAL PRODUCT INFORMATION

- Burning position: In horizontal burning position of lamp, base pins must be positioned in such a way that they form a horizontal plane.

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Declarations Of Conformity CE
PDF	Certificates
	Photometric and lighting design files
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321974341	Folding box 1	42 mm x 42 mm x 111 mm	40.00 g	0.20 dm ³
4008321974358	Shipping box 12	180 mm x 140 mm x 127 mm	567.00 g	3.20 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.

DISCLAIMER

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