

PRODUCT DATASHEET HQI-T 150 W/WDL UVS

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

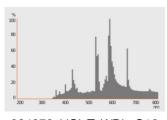
Electrical data

Nominal wattage	150 W		
Construction wattage	154.60 W		
Nominal voltage	103 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 / Maximum

Photometrical data

Luminous flux	13000 lm
Luminous efficacy	84 lm/W
Color temperature	3000 K
Color rendering index Ra	77
Light color	730
Rated LLMF at 2,000 h	0.80
Rated LLMF at 4,000 h	0.73
Rated LLMF at 6,000 h	0.69
Rated LLMF at 8,000 h	0.60
UV protection	Yes



384079_HQI_T_WDL_G12

Dimensions & Weight

Overall length	84.00 mm
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Maximum permitted outer bulb temperature 550 °C Maximum permitted base edge temperature 280 °C Lifespan			
Product weight 30.00 g Temperatures & operating conditions Maximum permitted outer bub temperature 550 °C Maximum permitted base edge temperature 280 °C Lifespan Bated lamp survival factor at 2,000 h 0.92 Bated lamp survival factor at 4,000 h 0.80 Bated lamp survival factor at 4,000 h 0.55 Lifespan B50 9000 h Additional product data Base (standard dassignation) G12 Mercury content 30.0 mg Design / version Capabilities Drimable No Burning position Arry Enclosed luminaire required Yes Energy efficiency class Energy efficiency class Energy consumption 155.00 kWh/1000h Country-specific categorizations LiCOS MT/UB-150/730 HVE/SL-G12-25/64 NoH NoH NoH NoH NoH NoH NoH No	Light center length (LCL)	56,0 mm	
Temperatures & operating conditions Maximum permitted cuter built temperature \$550 °C Maximum permitted base edge temperature \$280 °C Lifespan Barted lamp survival factor at 2,000 h \$0.90 Rated lamp survival factor at 4,000 h \$0.90 Rated lamp survival factor at 6,000 h \$0.80 Rated lamp survival factor at 8,000 h \$0.80 Additional product data Base (standard designation) ### Additional product data Base (standard designation) ### Arry ### Capabilities Dimmable ### No ### Arry Enclosed luminaire required ### No Certificates & Standards Energy efficiency class Energy efficiency class ### Energy efficiency class ### Capabilities ### Arry ### Country-specific categorizations ### LOSS ### MT/UB-150/730-H/E/SL-G12-25/84 ### Order reterence ### HOI-T 150W/WDI. ### Energy labelling regulation data acc EU 2019/2015 Lighting technology used ### MIH *### Non-directional or directional	Diameter	25,0 mm	
Maximum permitted outer bulb temperature 550 °C Maximum permitted base edge temperature 280 °C Lifespan Rated lamp survival factor at 2,000 h 0,92 Rated lamp survival factor at 4,000 h 0,90 Rated lamp survival factor at 8,000 h 0,80 Rated lamp survival factor at 8,000 h 0,55 Lifespan BSO 9000 h Additional product data Base (standard designation) G12 Mercury content 30,0 mg Design / version Cleer Capabilities Dimmable No Binning position Arry Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class G Energy consumption 155,00 kWh/1000h Country-specific categorizations LCOS MT/UB-150/730-H/E/SL-G12-25/84 Order reference HOI-T150WWDL Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional	Product weight	30.00 g	
Maximum permitted base edge temperature 280 °C	Temperatures & operating conditions		
Lifespan 0.92 Rated lamp survival factor at 4,000 h 0.90 Rated lamp survival factor at 6,000 h 0.80 Rated lamp survival factor at 8,000 h 0.55 Lifespan B50 9000 h Additional product data 9000 h Base (standard designation) G12 Mercury content 30.0 mg Design / version Clear Capabilities No Dimmable No Burning position Any Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class Energy consumption 155.00 kWh/1000h Country-specific categorizations ILCOS ILCOS MT/UB-150/730+VE/SL-G12-25/84 Order reference HQI-T 150WWDL Energy labelling regulation data acc EU 2019/2015 MH Uighting technology used MH Non-directional NDLS	Maximum permitted outer bulb temperature 550 °C		
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Rated lamp survival factor at 4,000 h 0.90	Lifespan		
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Rated lamp survival factor at 8,000 h 0.55 Lifespan B50 9000 h Additional product data Base (standard designation) G12 Mercury content 30.0 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 155.00 kWh/1000h Country-specific categorizations LLOOS MT/UB-150/730+VE/SL-G12-25/84 Order reference HOI-T 150W/WDL Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional NDLS	Rated lamp survival factor at 4,000 h	0.90	
Lifespan B50 9000 h Additional product data Base (standard designation) G12 Mercury content 30.0 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 155.00 kWh/1000h Country-specific categorizations ILCOS MT/UB-150/730-H/E/SL-G12-25/84 Order reference HQI-T 150W/WDL Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional	Rated lamp survival factor at 6,000 h	0.80	
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Design / version Capabilities Dimmable Dimmable Ro Burning position Any Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class G Energy consumption 155.00 kWh/1000h Country-specific categorizations ILCOS MT/UB-150/730-H/E/SL-G12-25/84 Order reference HQI-T 150W/WDL Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional	Base (standard designation)	G12	
Capabilities Dimmable No Burning position Any Enclosed luminaire required Yes Hot restart No Certificates & Standards Energy efficiency class G Energy consumption 155.00 kWh/1000h Country-specific categorizations ILCOS MT/UB-150/730-H/E/SL-G12-25/84 Order reference HQI-T 150W/WDL Energy labelling regulation data acc EU 2019/2015 Lighting technology used MH Non-directional or directional NDLS	Mercury content	30.0 mg	
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Lighting technology used MH Non-directional or directional NDLS	Order reference	HQI-T 150W/WDL	
Non-directional or directional NDLS	Energy labelling regulation data acc EU 2019/2015		
	Lighting technology used	МН	
Mains or non-mains NMLS	Non-directional or directional	NDLS	
	Mains or non-mains	NMLS	

Light source cap-type (or other electric interface)	G12
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
Chromaticity coordinate x	0,420
Chromaticity coordinate y	0,400
Beam angle correspondence	SPHERE_360
EPREL ID	666227
Model number	AM42358

Safety advice

- Disconnect mains before installation.
- Must not be used if outer bulb is defective.
- Lamp to be used only in a closed luminaire.

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	Document name
POF	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4072118-EN-12 - HQI
POF	Certificates	EAC RU C-DE.AYA46.B.16087_20 13.10.2020-12.10.2025 Rostest-Moskva - MH single capped
POF	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	384079_HQI_T_WDL_G12	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321974389	Folding box	42 mm x 42 mm x 111 mm	40.00 g	0.20 dm ³
4008321974396	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.