PRODUCT DATASHEET
HQI-T 150 W/NDL 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	151.20 W
Nominal voltage	105 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	86 lm/W
Color temperature	4200 K
Color rendering index Ra	85
Light color	842
Rated LLMF at 2,000 h	0.82
Rated LLMF at 4,000 h	0.77
Rated LLMF at 6,000 h	0.73
Rated LLMF at 8,000 h	0.68
UV protection	Yes

384077_HQI_T_NDL_G12

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 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 6,000 h	0.80
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	152.00 kWh/1000h

Country-specific categorizations

ILCOS	MT/UB-150/842-H/E/SL-G12-25/84
Order reference	HQI-T 150W/NDL

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
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	0,362
Chromaticity coordinate y	0,366
Beam angle correspondence	SPHERE_360
EPREL ID	666228
Model number	AM42357

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
PDF	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4072118-EN-12 - HQI
PDF	Certificates	EAC RU C-DE.AYA46.B.16087_20 13.10.2020-12.10.2025 Rostest-Moskva - MH single capped
PDF	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	384077_HQI_T_NDL_G12

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321974365	Folding box 1	42 mm x 42 mm x 111 mm	40.00 g	0.20 dm^3
4008321974372	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.