

PRODUCT DATASHEET

HQI-TS 400 W/NDL

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



Areas of application

- Foyers, reception areas
- Factory and hall lighting with low-cost installations
- Exhibition halls and trade fairs
- Sports halls and multi-purpose halls
- Pedestrian zones, public squares
- Parks and gardens
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- High efficiency
- Uniform distribution of light
- Good to excellent color rendering
- Hot restrike capable
- 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), daylight (D)



TECHNICAL DATA

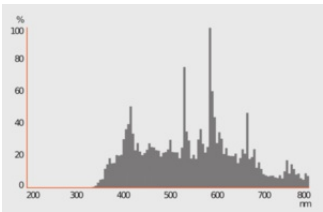
Electrical data

Nominal wattage	400 W
Construction wattage	410.00 W
Nominal voltage	118 V
Ignition voltage	4.0/25 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor
Nominal current	4.1 A
PFC capacitor at 50 Hz	45 µF

1) Minimum / Maximum

Photometrical data

Luminous flux	36000 lm
Luminous efficacy	90 lm/W
Light color (designation)	Neutral White DE LUXE
Color temperature	4200 K
Color rendering index Ra	85
Light color	842
Rated LLMF at 2,000 h	0.70
Rated LLMF at 4,000 h	0.60
Rated LLMF at 6,000 h	0.55
Rated LLMF at 8,000 h	0.52
Rated LLMF at 12,000 h	0.50
Rated lamp efficacy (standard co.)	90 lm/W
UV protection	Yes



384074_HQL_TS_NDL

Dimensions & Weight

Overall length	206.00 mm
Light center length (LCL)	103,0 mm
Diameter	33,0 mm
Maximum diameter	33 mm
Product weight	88.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	750 °C
Maximum permitted pinch temperature	300 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.80
Rated lamp survival factor at 4,000 h	0.70
Rated lamp survival factor at 6,000 h	0.60
Rated lamp survival factor at 8,000 h	0.55
Rated lamp survival factor at 12,000 h	0.50
Lifespan B50	12000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	Fc2
Mercury content	30.0 mg
Design / version	Clear
Product remark	With NAV® control gear

Capabilities

Dimmable	No
Burning position	P45
Enclosed luminaire required	Yes
Hot restart	Yes

Certificates & Standards

Energy efficiency class	G
Energy consumption	451.00 kWh/1000h

Country-specific categorizations


ILCOS	MD/UB-400/842-H/E/SL-Fc2-25/162/H
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Order reference	HQI-TS 400W/NDL
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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)	Fc2
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	206.00 mm
Height	33,0 mm
Width	33,0 mm
Chromaticity coordinate x	0.372
Chromaticity coordinate y	0.370
Beam angle correspondence	SPHERE_360
EPREL ID	1535172
Model number	AM09905

DOWNLOAD DATA

Photometric and lighting design files		Document name
	Spectral power distribution	384074_HQI_TS_NDL

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321689214	Sleeve 1	260 mm x 51 mm x 65 mm	119.00 g	0.86 dm ³
4008321689221	Shipping box 12	216 mm x 166 mm x 272 mm	1464.00 g	9.75 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.