



Ceramic metal halide lamp with clear tubular outer bulb shape, used in outdoor offering pleasant white light

Product data

General Information	
Cap-Base	E27 / E40
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 50% Failures (Nom)	10000 h
LSF 2000 h Rated	90 %
LSF 4000 h Rated	85 %

Light Technical	
Color Code	CCT of 4000K
Luminous Flux (Rated) (Nom)	5800 lm 13000 lm 22000 lm 42000 lm
Color Designation	Warm White (WW)
Chromaticity Coordinate X (Nom)	446
Chromaticity Coordinate Y (Nom)	393
Correlated Color Temperature (Nom)	4000 K
Voltage (Nom)	85 V - 133V

Controls and Dimming

Run-Up Time 90% (Max)	2 min 2 min 10 min 10 min
Dimmable	No

Mechanical and Housing	
Bulb Finish	Clear

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	8 mg 10 mg 28 mg 35 mg
Energy Consumption kWh/1000 h	80 kWh

UV	
Pet (Niosh) (Min)	8 h/500lx

Luminous Efficacy (Rated) (Nom)	80 lm/W 85 lm/W 88 lm/W 105 lm/W
Color Rendering Index (Nom)	65
LLMF 2000 h Rated	70 - 80 %
LLMF 4000 h Rated	60 - 70 %
Ratio Scotopic/Photopic Lumens	1.30

Operating and Electrical	
Power (Rated) (Nom)	70 W 150 W 250 W 400 W
Lamp Current Run-Up (Max)	2 A
Lamp Current (EM) (Nom)	0.98 A 1.8 A 2.15 A 3.25 A
Ignition Peak Voltage (Max)	4500 V 4500 V 4500 V 4500 V
Ignition Supply Voltage (Min)	198 V
Re-Ignition Time (Min) (Max)	600 s
Ignition Time (Max)	10 s 10 s 10 s 10 s
Voltage (Max)	85 V 95 V 132 V 133 V
Voltage (Min)	85 V

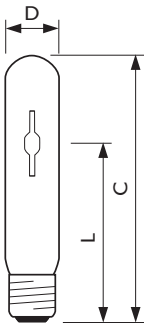
Luminaire Design Requirements	
Bulb Temperature (Max)	350 ° 350 ° 350 ° 350 °
Cap-Base Temperature (Max)	210 ° 210 ° 250 ° 250 °

Product Data	
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Net Weight (Piece)	0.048 kg

Warnings and Safety

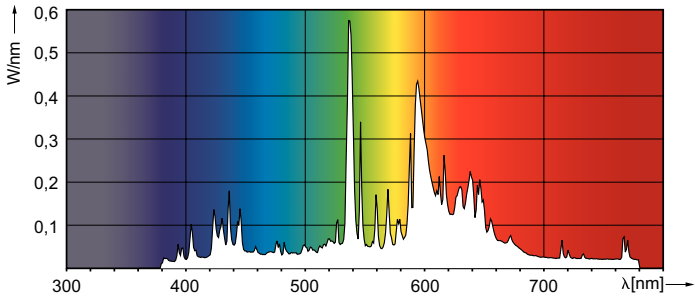
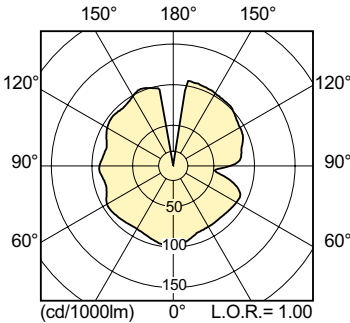
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Lamps may use electromagnetic control gear or electronic gear suitable to drive CDO lamps (e.g. HID-PV Xt CDO)
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Warm restart time can be up to 15 minutes; T15 ignitors therefore advised
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Dimensional drawing



Code	Product	Luminous Efficiency	D (max)	L	C (max)
MHL.T.060.30	70W E27	80 lm/w	38 mm	102 mm	156 mm
MHL.T.130.30	150W E27	85 lm/w	38 mm	106 mm	180 mm
MHL.T.220.30	250W E40	88 lm/w	46 mm	149 mm	257 mm
MHL.T.420.30	400W E40	105 lm/w	46 mm	175 mm	283 mm

Photometric data



Lifetime

