



Switch Start Metal Halide Protected

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An efficient, protected "O" rated lighting solution that is suitable for open-rated fixtures. Ideal for both indoor and outdoor applications.

Benefits

- Available in various bases and wattages.

Features

- Protective quartz shroud provides extra level of safety – shrouded arc tube for "O" open fixture rating.
- No shut-off required– Ideal for 24-hours a day, 7-days a week operations (relamp fixtures at or before the end of rated life)
- Extended eyelet mogul base will operate in both standard and exclusionary sockets.
- Satisfies the 2005 NEC for use in open luminaires†
- BT-56 base available in 1000 watts / ED-37 base available in 360 and 400 watts / ED 28 base available in 175 and 250 watts.
- * Relamp fixtures at or before end of rated average life. † The 2005 NEC states that luminaires that use a metal halide lamp shall be provided with either a containment barrier that encloses the lamp (historically referred to as an enclosed luminaire) or shall be provided with a means, typically a special lampholder, that will only accept ANSI Type-O metal halide lamp. (Exception—this requirement will not apply to open luminaires with thick-glass parabolic reflector PAR lamps.) For more information regarding use of Type-O, S, and E metal halide systems, please refer to the NEMA white paper on this subject that is freely available at www.nema.org

Application

- Ideal for manufacturing facilities, retail establishments and warehouses.

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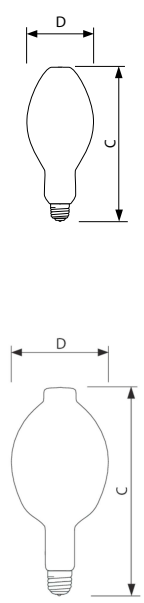
Warnings and Safety

• R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Versions



Dimensional drawing



Product	D	C (max)
MP400/BU 6 PK	4.625 in	11.5 in
MP360/BU/EW 6PK	4.625 in	11.5 in

Product	D	C (max)
MP1000/BU 6PK	7 in	15.375 in

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Operating and electrical	
Re-ignition Time (Min) (Max)	15 min
General information	
Cap-Base	EX39
Main Application	General Lighting (G)
Light technical	
Chromaticity Coordinate Y (Nom)	390
Color Rendering Index (Nom)	65
Mechanical and housing	
Bulb Finish	Clear
Bulb Material	Hard Glass

Approval and application

Order Code	Full Product Name	Energy Saving Product	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
133322	MP400/BU 6 PK	Not Applicable	57 mg	76.9 pg/lm.h
130674	MP360/BU/EW 6PK	Energy Saving	48 mg	116 pg/lm.h

Order Code	Full Product Name	Energy Saving Product	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
281188	MP1000/BU 6PK	-	150 mg	173.7 pg/lm.h

Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
133322	MP400/BU 6 PK	3.25 A	150 V	120 V	135 V
130674	MP360/BU/EW 6PK	3.25 A	130 V	110 V	120 V

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
281188	MP1000/BU 6PK	4.1 A	-	-	263 V

General information

Order Code	Full Product Name	Life To 50% Failures (Nom)	Operating Position
133322	MP400/BU 6 PK	20000 h	Base Up +/- 15 D
130674	MP360/BU/EW 6PK	20000 h	Universal

Order Code	Full Product Name	Life To 50% Failures (Nom)	Operating Position
281188	MP1000/BU 6PK	12000 h	Base Up +/- 15 D

Luminaire design requirements

Order Code	Full Product Name	Bulb Temperature (Max)
133322	MP400/BU 6 PK	400 °C
130674	MP360/BU/EW 6PK	400 °C

Order Code	Full Product Name	Bulb Temperature (Max)
281188	MP1000/BU 6PK	430 °C

Light technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Color Code	Color Designation	Correlated Color Temperature (Max)	Correlated Color Temperature (Min)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
133322	MP400/BU 6 PK	385	640	Cool White (CW)	-	-	4000 K	100 lm/W
130674	MP360/BU/EW 6PK	385	640	Cool White (CW)	-	-	4000 K	100 lm/W

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Order Code	Full Product Name	Chromaticity	Color		Correlated Color	Correlated Color	Correlated Color	Luminous Efficacy (rated) (Nom)
		Coordinate X (Nom)	Code	Color Designation	Temperature (Max)	Temperature (Min)	Temperature (Nom)	
281188	MP1000/BU 6PK	405	635	White (WH)	- K	- K	3500 K	107 lm/W

Light technical (2/2)

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Rated) (Nom)
133322	MP400/BU 6 PK	26600 lm	40000 lm	281188	MP1000/BU 6PK	69550 lm	107000 lm
130674	MP360/BU/EW 6PK	23400 lm	36000 lm				

Mechanical and housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
133322	MP400/BU 6 PK	ED37	281188	MP1000/BU 6PK	BT56
130674	MP360/BU/EW 6PK	BT37			

