



# 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](http://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



LPPR D-MP BT56 CL

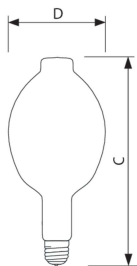
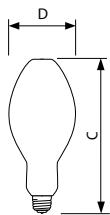


LPPR D-MP ED28 CL



LPPR MH E26 E27 CL

## Dimensional drawing

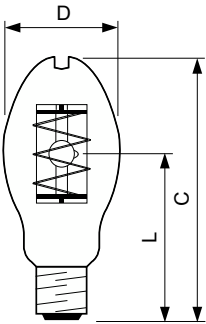
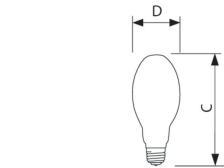


Product	D	C (max)
MP360/BU/EW 6PK	4.625 inch	11.5 inch
MP400/BU 6 PK	4.625 inch	11.5 inch

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

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## Dimensional drawing



Product	D	C (max)
MP250/BU 12PK	3.5 inch	8.313 inch

Product	D (max)	L (min)	C (max)
MH 100W/640 E26 CL	56 mm	83 mm	138 mm

### Mechanical and Housing

Bulb Finish	Clear
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## General Information

Order Code	Full Product Name	Cap-Base	Operating Position
928601157903	MP400/BU 6 PK	EX39	H15
928601179201	MP360/BU/EW 6PK	EX39	UNIVERSAL
928601179601	MP1000/BU 6PK	EX39	H15

Order Code	Full Product Name	Cap-Base	Operating Position
928601161903	MP250/BU 12PK	EX39	H15
928485900194	MH 100W/640 E26 CL	E26	H

## Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous	
		Coordinate X (Nom)	Coordinate Y (Nom)				Efficacy (Rated) (Min)	Luminous Efficacy (rated) (Nom)
928601157903	MP400/BU 6 PK	385	390	Cool White (CW)	4000 K	65	-	100 lm/W
928601179201	MP360/BU/EW 6PK	385	390	Cool White (CW)	4000 K	65	-	100 lm/W
928601179601	MP1000/BU 6PK	405	390	White (WH)	3500 K	65	-	107 lm/W
928601161903	MP250/BU 12PK	395	395	Cool White (CW)	3800 K	62	77 lm/W	86 lm/W
928485900194	MH 100W/640 E26 CL	385	390	Cool White (CW)	4000 K	65	-	85 lm/W

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
928601157903	MP400/BU 6 PK	3.25 A	135 V	-

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
928601179201	MP360/BU/EW 6PK	3.25 A	120 V	-

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Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
928601179601	MP1000/BU 6PK	4.1 A	263 V	-
928601161903	MP250/BU 12PK	2.1 A	133 V	-

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
928485900194	MH 100W/640 E26 CL	-	100 V	106 W

## Controls and Dimming

Order Code	Full Product Name	Dimmable
928601157903	MP400/BU 6 PK	-
928601179201	MP360/BU/EW 6PK	-
928601179601	MP1000/BU 6PK	-

Order Code	Full Product Name	Dimmable
928601161903	MP250/BU 12PK	-
928485900194	MH 100W/640 E26 CL	No

## Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape
928601157903	MP400/BU 6 PK	Hard Glass	ED37
928601179201	MP360/BU/EW 6PK	Hard Glass	BT37
928601179601	MP1000/BU 6PK	Hard Glass	BT56

Order Code	Full Product Name	Bulb Material	Bulb Shape
928601161903	MP250/BU 12PK	Hard Glass	ED28
928485900194	MH 100W/640 E26 CL	-	ED17

## Approval and Application

Order Code	Full Product Name	Energy Consumption	Energy Saving Product	Mercury (Hg) Content (Nom)
		kWh/1000 h		
928601157903	MP400/BU 6 PK	-	Not Applicable	57 mg
928601179201	MP360/BU/EW 6PK	-	Energy Saving	48 mg
928601179601	MP1000/BU 6PK	-	-	150 mg

Order Code	Full Product Name	Energy Consumption	Energy Saving Product	Mercury (Hg) Content (Nom)
		kWh/1000 h		
928601161903	MP250/BU 12PK	-	Not Applicable	32 mg
928485900194	MH 100W/640 E26 CL	110 kWh	-	10.2 mg

