PHILIPS

Pulse Start Metal Halide Standard

D_MHPSS



High performance, low total cost of ownership

Philips Pulse Start Metal Halide Lamps offer an optimized metal halide system for greater efficiency and lumen maintenance.

Benefits

- Flexible lighting solution - available in various bases and wattages.
- Long Life when compared to switch start metal halide (for 175W and 250W versions).

Applications

- Ideal for industrial and retail high/low bays and parking lots.

Features

- Up to 25% increase in maintained light output over standard metal halide.
- Increased efficacy (up to 120 lpw) equals low total cost of ownership.
- Up to 50% faster warm-up and restrike time.

- Up to 50% increase in life when compared to switch start metal halide (for 175W and 250W versions).
- ED-37 base available in 350 and 400 watts base up and horizontal operations as well as COATED / BT-37 available in 750 and 1000 watt base up operation and 750 watt horizontal operation / ED-28 available in 175, 200, 250, 320, and 400 watts base up or horizontal operations. 175 and 320 watts of the ED-28 base are also available in COATED.
- 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-MH-PS ED28 CL



LPPR D-MH-R BT37 CL

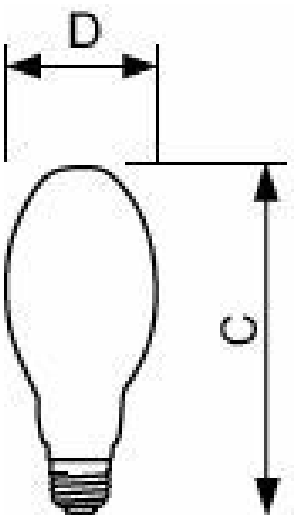


LPPR D-MH-PS ED37 CL

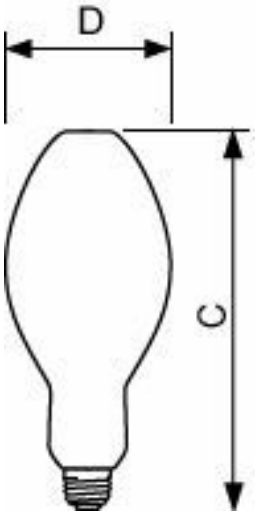


LPPR MH E26 E27 CL

Dimensional drawing

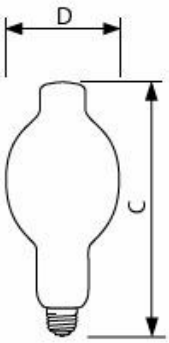


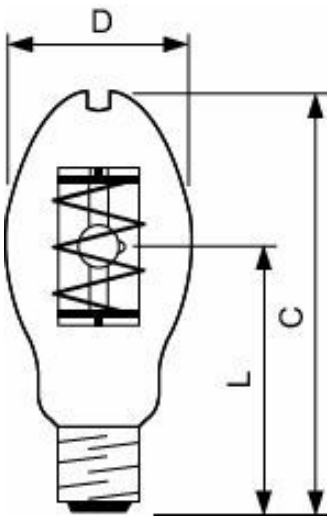
Product	D	C (max)
MS175/BU/PS 12PK	3.5 inch	8.313 inch
MS250/BU/PS 12PK	3.5 inch	8.313 inch
MS250/U/PS 12PK	91 mm	206 mm
MS320/U/PS 12PK	91 mm	206 mm
PS MH Std 400W/640 CW Mog ED28 1SL	3.5 inch	8.3 inch



Product	D	C (max)
MS400/U/PS 6PK	4.625 inch	11.5 inch

Product	D	C (max)
MS1000/BU/BT37/PS 6PK	-	292.0 mm





Product	D (max)	L (min)	C (max)
MH 100W/640 E26 CL 1SL/24	56 mm	83 mm	138 mm

Operating and Electrical

Warm-up time to 60% light	<120 s

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Hard Glass

Approval and Application

Energy Consumption kWh/1000 h	110 kWh

General Information

Order Code	Full Product Name	Cap-Base	Operating Position
928601152103	MS175/BU/PS 12PK	E39	H15
928601152203	MS250/BU/PS 12PK	E39	H15
928601152503	MS320/U/PS 12PK	E39	-
928601165802	MS250/U/PS 12PK	E39	-
928601132003	MS1000/BU/BT37/PS 6PK	E39	H10
928601165501	PS MH Std 400W/640 CW Mog ED28 1SL	E39	H15
928601179001	MS400/U/PS 6PK	E39	UNIVERSAL
928485900191	MH 100W/640 E26 CL 1SL/24	E26	H

Light Technical

Order Code	Full Product Name	Luminous Flux	Color Designation	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (Rated) (Min)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
928601152103	MS175/BU/PS 12PK	-	White (WH)	395	390	-	82.3 lm/W	91 lm/W	62
928601152203	MS250/BU/PS 12PK	-	Cool White (CW)	374	392	4300 K	85.5 lm/W	95 lm/W	65
928601152503	MS320/U/PS 12PK	19,500 lm	-	0.395	0.405	3600 K	84.4 lm/W	93.8 lm/W	>65
928601165802	MS250/U/PS 12PK	13,650 lm	4000 Kelvin	0.385	0.395	4000 K	70 lm/W	84 lm/W	>65
928601132003	MS1000/BU/BT37/PS 6PK	-	-	0.385	0.390	4000 K	-	-	65
928601165501	PS MH Std 400W/640 CW Mog ED28 1SL	-	Cool White (CW)	385	390	4000 K	105 lm/W	110 lm/W	68
928601179001	MS400/U/PS 6PK	-	Cool White (CW)	385	390	4000 K	-	90 lm/W	65
928485900191	MH 100W/640 E26 CL 1SL/24	-	Cool White (CW)	385	390	4000 K	-	85 lm/W	65

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Lamp Current (Nom)	Wattage Equivalent	Voltage (Nom)
928601152103	MS175/BU/PS 12PK	-	1.5 A	-	132 V
928601152203	MS250/BU/PS 12PK	-	2 A	-	133 V
928601152503	MS320/U/PS 12PK	320 W	-	320 W	-
928601165802	MS250/U/PS 12PK	250 W	-	250 W	-
928601132003	MS1000/BU/BT37/PS 6PK	1,000 W	4.1 A	-	836 V
928601165501	PS MH Std 400W/640 CW Mog ED28 1SL	-	3.2 A	-	135 V
928601179001	MS400/U/PS 6PK	-	3.25 A	-	135 V
928485900191	MH 100W/640 E26 CL 1SL/24	106 W	-	-	100 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928601152103	MS175/BU/PS 12PK	ED28
928601152203	MS250/BU/PS 12PK	ED28
928601152503	MS320/U/PS 12PK	ED28
928601165802	MS250/U/PS 12PK	ED28
928601132003	MS1000/BU/BT37/PS 6PK	BT37
928601165501	PS MH Std 400W/640 CW Mog ED28 1SL	ED28
928601179001	MS400/U/PS 6PK	ED37
928485900191	MH 100W/640 E26 CL 1SL/24	ED17

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928601152103	MS175/BU/PS 12PK	-	23.5 mg
928601152203	MS250/BU/PS 12PK	-	32 mg
928601152503	MS320/U/PS 12PK	32 mg	-
928601165802	MS250/U/PS 12PK	32 mg	-
928601132003	MS1000/BU/BT37/PS 6PK	-	151 mg
928601165501	PS MH Std 400W/640 CW Mog ED28 1SL	-	50 mg
928601179001	MS400/U/PS 6PK	42.0 mg	-
928485900191	MH 100W/640 E26 CL 1SL/24	-	10.2 mg

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