



Switch Start Metal Halide Standard

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High performance, Long life and Superior light qualityA compact, energy efficient metal halide lamp that provides crisp, sparkling light with long life and high efficiency.

Features

- Long life up to 20,000 hours for 360 and 400 watt lamps.
- Up to 100 lumens per watt.

Application

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

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)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

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Versions



E26, BD-17, Clear



E26, BD-17, Coated



ED17, ED28, Clear



E39/E40/41, ED-37, Clear

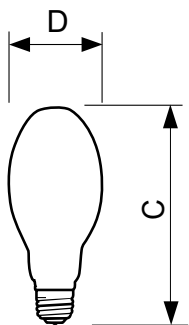


E39/E40/41, BT-56, Clear



E39, BT-37, Clear

Dimensional drawing

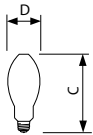
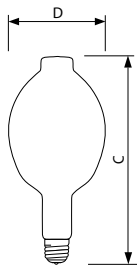
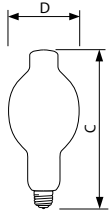


Product	D	C (max)
MH400/U 6PK	4.625 in	11.5 in

Product
MH150/U/M 12PK
MH175/U 12PK
MH175/U UPC 3PK
MH400/U/ED28 12PK
MH250/U UPC 3PK
MH250/U 12PK
MH400/U/ED28 3PK

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Dimensional drawing



Product

MH1000/U/BT37 6PK

Product

MH1000/U 6PK

MH1500/U 6PK

Product

MH175/U/M 12PK

MH175/C/U/M 12PK

Approval and Application

Energy Saving Product Not Applicable

Light Technical

Color Code 640

Mechanical and Housing

Bulb Material Hard Glass

Approval and Application

Order Code	Full Product Name	Mercury (Hg)		
		Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
313585	MH175/U/M 12PK	24.0 mg	-	-

Order Code	Full Product Name	Mercury (Hg)		
		Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
313593	MH175/C/U/M 12PK	24.0 mg	-	-

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Order Code	Full Product Name	Mercury (Hg)		
		Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
140855	MH175/U UPC 3PK	-	28 mg	255.1 pg/lm.h
287334	MH175/U 12PK	-	28 mg	255.1 pg/lm.h
140822	MH250/U UPC 3PK	-	33 mg	215.1 pg/lm.h
274845	MH250/U 12PK	-	33 mg	215.1 pg/lm.h
426023	MH400/U/ED28 12PK	52.0 mg	-	-
140848	MH400/U/ED28 3PK	52.0 mg	-	-

Order Code	Full Product Name	Mercury (Hg)		
		Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
354621	MH150/U/M 12PK	-	23 mg	199.4 pg/lm.h
274498	MH400/U 6PK	-	38 mg	102.6 pg/lm.h
131623	MH1500/U 6PK	-	228.0 mg	-
415224	MH1000/U 6PK	151.0 mg	-	176 pg/lm.h
321505	MH1000/U/BT37 6PK	-	151.0 mg	176 pg/lm.h

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Re-Ignition Time (Min) (Max)
313585	MH175/U/M 12PK	1.5 A	147 V	117 V	132 V	15 min
313593	MH175/C/U/M 12PK	1.5 A	147 V	117 V	132 V	15 min
140855	MH175/U UPC 3PK	1.5 A	147 V	117 V	132 V	8 min
287334	MH175/U 12PK	1.5 A	147 V	117 V	132 V	8 min
140822	MH250/U UPC 3PK	2.1 A	148 V	118 V	133 V	8 min
274845	MH250/U 12PK	2.1 A	148 V	118 V	133 V	8 min
426023	MH400/U/ED28 12PK	3.25 A	150 V	120 V	135 V	12 min
140848	MH400/U/ED28 3PK	3.25 A	150 V	120 V	135 V	12 min
354621	MH150/U/M 12PK	1.5 A	120 V	100 V	110 V	15 min
274498	MH400/U 6PK	3.25 A	150 V	120 V	135 V	12 min
131623	MH1500/U 6PK	6.2 A	283 V	253 V	268 V	15 min
415224	MH1000/U 6PK	4.1 A	288 V	238 V	263 V	15 min
321505	MH1000/U/BT37 6PK	4.1 A	-	-	263 V	15 min

General Information

Order Code	Full Product Name	Cap-Base	Life To 50%		Operating Position
			Failures (Nom)	Main Application	
313585	MH175/U/M 12PK	E26	10000 h	General Lighting (G)	Universal
313593	MH175/C/U/M 12PK	E26	10000 h	General Lighting (G)	Universal
140855	MH175/U UPC 3PK	E39	10000 h	General and Street Lighting	Universal
287334	MH175/U 12PK	E39	10000 h	General and Street Lighting	Universal
140822	MH250/U UPC 3PK	E39	10000 h	General and Street Lighting	Universal
274845	MH250/U 12PK	E39	10000 h	General and Street Lighting	Universal
426023	MH400/U/ED28 12PK	E39	20000 h	General Lighting (G)	Universal

Order Code	Full Product Name	Cap-Base	Life To 50%		Operating Position
			Failures (Nom)	Main Application	
140848	MH400/U/ED28 3PK	E39	20000 h	General Lighting (G)	Universal
354621	MH150/U/M 12PK	E26	10000 h	General Lighting (G)	Universal
274498	MH400/U 6PK	E39	20000 h	General Lighting (G)	Universal
131623	MH1500/U 6PK	E39	6000 h	General Lighting (G)	Base Up +/- 15 D
415224	MH1000/U 6PK	E39	12000 h	General Lighting (G)	Universal
321505	MH1000/U/BT37 6PK	E39	12000 h	General Lighting (G)	Universal

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
313585	MH175/U/M 12PK	450 °C
313593	MH175/C/U/M 12PK	400 °C

Order Code	Full Product Name	Bulb Temperature (Max)
140855	MH175/U UPC 3PK	400 °C
287334	MH175/U 12PK	400 °C

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Order Code	Full Product Name	Bulb Temperature (Max)
140822	MH250/U UPC 3PK	400 °C
274845	MH250/U 12PK	400 °C
426023	MH400/U/ED28 12PK	400 °C
140848	MH400/U/ED28 3PK	400 °C
354621	MH150/U/M 12PK	400 °C

Order Code	Full Product Name	Bulb Temperature (Max)
274498	MH400/U 6PK	400 °C
131623	MH1500/U 6PK	430 °C
415224	MH1000/U 6PK	430 °C
321505	MH1000/U/BT37 6PK	450 °C

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color	Lumen	
		Coordinate X (Nom)	Coordinate Y (Nom)			Rendering Index (Nom)	Maintenance - 10% Life	Lumen Maintenance - 40% Life
313585	MH175/U/M 12PK	0.385	0.390	Cool White (CW)	4000 K	65	-	-
313593	MH175/C/U/M 12PK	0.395	0.390	Cool White (CW)	-	65	-	65 %
140855	MH175/U UPC 3PK	0.375	0.400	Cool White (CW)	4000 K	65	90 %	68 %
287334	MH175/U 12PK	0.375	0.400	Cool White (CW)	4000 K	65	90 %	68 %
140822	MH250/U UPC 3PK	0.385	0.395	Cool White (CW)	4000 K	65	-	-
274845	MH250/U 12PK	0.385	0.395	Cool White (CW)	4000 K	65	-	-
426023	MH400/U/ED28 12PK	0.390	0.400	Cool White (CW)	4000 K	57	-	-
140848	MH400/U/ED28 3PK	0.390	0.400	Cool White (CW)	4000 K	57	-	-
354621	MH150/U/M 12PK	0.385	0.390	White (WH)	4000 K	65	-	65 %
274498	MH400/U 6PK	0.385	0.395	Cool White (CW)	3900 K	65	-	65 %
131623	MH1500/U 6PK	0.385	0.390	White (WH)	4000 K	65	-	65 %
415224	MH1000/U 6PK	0.385	0.390	White (WH)	4000 K	65	-	65 %
321505	MH1000/U/BT37 6PK	0.385	0.390	Cool White (CW)	4000 K	65	-	65 %

Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Efficacy (rated)	Design	Luminous Flux (Rated)	Luminous Flux (Rated)	Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Efficacy (rated)	Design	Luminous Flux (Rated)	Luminous Flux (Rated)
		(Min)	(Nom)	Mean Lumens	(Min)	(Nom)			(Min)	(Nom)	(Min)	(Nom)	Mean Lumens
313585	MH175/U/M 12PK	70 lm/W	80 lm/W	9100 lm	-	14000 lm	140848	MH400/U/ED28 3PK	80 lm/W	90 lm/W	24000 lm	32000 lm	36000 lm
313593	MH175/C/U/M 12PK	72 lm/W	80 lm/W	8380 lm	12600 lm	13300 lm	354621	MH150/U/M 12PK	-	90 lm/W	8775 lm	-	13500 lm
140855	MH175/U UPC 3PK	70 lm/W	84 lm/W	8775 lm	12250 lm	14700 lm	274498	MH400/U 6PK	85 lm/W	97.5 lm/W	25350 lm	34000 lm	39000 lm
287334	MH175/U 12PK	70 lm/W	84 lm/W	8775 lm	12250 lm	14700 lm	131623	MH1500/U 6PK	-	113 lm/W	136000 lm	-	170000 lm
140822	MH250/U UPC 3PK	76.5 lm/W	85 lm/W	13500 lm	19125 lm	21250 lm	415224	MH1000/U 6PK	-	110 lm/W	71500 lm	-	110000 lm
274845	MH250/U 12PK	76.5 lm/W	85 lm/W	13500 lm	19125 lm	21250 lm	321505	MH1000/U/BT37 6PK	-	110 lm/W	71500 lm	-	110000 lm
426023	MH400/U/ED28 12PK	80 lm/W	90 lm/W	24000 lm	32000 lm	36000 lm							

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
313585	MH175/U/M 12PK	Clear	BD17
313593	MH175/C/U/M 12PK	Coated glass	BD17

Order Code	Full Product Name	Bulb Finish	Bulb Shape
140855	MH175/U UPC 3PK	Clear	ED28
287334	MH175/U 12PK	Clear	ED28

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Order Code	Full Product Name	Bulb Finish	Bulb Shape
140822	MH250/U UPC 3PK	Clear	ED28
274845	MH250/U 12PK	Clear	ED28
426023	MH400/U/ED28 12PK	Clear	ED28
140848	MH400/U/ED28 3PK	Clear	ED28
354621	MH150/U/M 12PK	Clear	ED17

Order Code	Full Product Name	Bulb Finish	Bulb Shape
274498	MH400/U 6PK	Clear	ED37
131623	MH1500/U 6PK	Clear	BT56
415224	MH1000/U 6PK	Clear	BT56
321505	MH1000/U/BT37 6PK	Clear	BT37

