



High performance, low total cost of ownership

Pulse Start Metal Halide Standard

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).

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.

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)

Related products



E39, BT-37, Clear



E26, ED-17, Clear



E39, ED-28, Clear



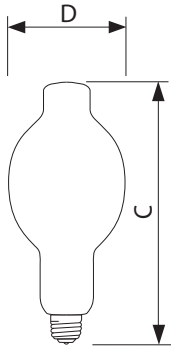
E39, ED-28, Coated



E39, ED-37, Clear

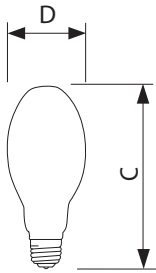
Dimensional drawing

Dimensional drawing



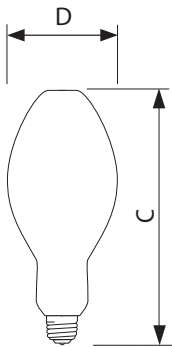
E39, BT-37

Product	C (Max)	D (Norm)
MH PS 1000W/635 E39 BT37 BU	11.5	4.625
MH PS 750W/635 E39 BT37 BU	11.5	4.625
MH PS 750W/640 E39 BT37 HOR	11.5	4.625



E39, ED-28

Product	C (Max)	D (Norm)
MH PS 175W/635 E39 ED28 BU	8.313	3.5
MH PS 250W/645 E39 ED28 BU	8.313	3.5
MH PS 320W/640 E39 ED28 U	8.313	3.5
MH PS 175W/635 E39 ED28 CO BU	8.313	3.5
MH PS 175W/640 E39 ED28 HOR	8.313	3.5
MH PS 200W/640 E39 ED28 CL BU	8.3	3.5
MH PS 400W/640 E39 ED28 CL BU	8.3	3.5
MH PS 400W/640 E39 ED28 CL HOR	8.3	3.5
MH PS 250W/638 E39 ED28 CL U	8.313	3.5



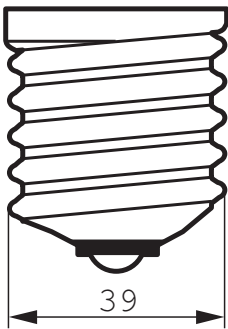
E39, ED-37

Product	C (Max)	D (Norm)
MH PS 350W/640 E39 ED37 BU	11.5	4.625
MH PS 400W/638 E39 ED37 CL U	11.5	4.625

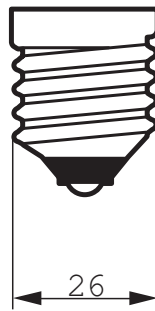
General Characteristics

Order code	Full product name	Bulb	Bulb Material	Bulb Finish	Base	Operating Position	System Description	Main Application	RatedAvgLife(See Family Notes)
928601132001	Pulse Start MH Std 1000W/635 Mog BT37 CL	BT37	Hard Glass	Clear	Mogul	Base Up +/-15D	Pulse Start	General Lighting	15000
928601153601	Pulse Start MH Std 750W/635 Mog BT37 CL	BT37	Hard Glass	Clear	Mogul	Base Up +/-15D	Pulse Start	General Lighting	16000
928601162701	Pulse Start MH Std 750W Mog BT37 HOR +/-15	BT37	Hard Glass	Clear	Mogul	Horizontal +/-15D	Pulse Start	General Lighting	12000
928601165201	Pulse Start MH Std 175W/640 CW PS Medium ED17 1SL	ED17	Hard Glass	Clear	Medium	Base Up +/-15D	Pulse Start	General Lighting	15000
928601152101	Pulse Start MH Std 175W/635 Mog ED28 CL	ED28	Hard Glass	Clear	Mogul	Base Up +/-15D	Pulse Start	General Lighting	15000
928601152201	Pulse Start MH Std 250W/645 Mog ED28 CL	ED28	Hard Glass	Clear	Mogul	Base Up +/-15D	Pulse Start	General Lighting	15000
928601152501	Pulse Start MH Std 320W/640 Mog ED28 CL	ED28	Hard Glass	Clear	Mogul	Universal	Pulse Start	General Lighting	20000
928601162401	Pulse Start MH Std 175W Mog ED28	ED28	Hard Glass	Clear	Mogul	Horizontal +/-15D	Pulse Start	General Lighting	11500
928601165301	Pulse Start MH Std 200W PS Mog 1SL	ED28	Hard Glass	Clear	Mogul	Base Up +/-15D	Pulse Start	General Lighting	15000
928601165501	Pulse Start MH Std 400W/640 CW Mog ED28 1SL	ED28	Hard Glass	Clear	Mogul	Base Up +/-15D	Pulse Start	General Lighting	20000
928601165601	Pulse Start MH Std 400W/640 Mog ED28 1WR	ED28	Hard Glass	Clear	Mogul	Horizontal +/-15D	Pulse Start	General Lighting	20000
928601165801	Pulse Start MH Std 250W PS ED28 U 1SL	ED28	Hard Glass	Clear	Mogul	Universal	Pulse Start	General Lighting	12000
928601157701	Pulse Start MH Std 175W/635 Mog ED28 CO	ED28	Hard Glass	Coated	Mogul	Base Up +/-15D	Pulse Start	General Lighting	15000
928601152701	Pulse Start MH Std 350W/640 Mog ED37 CL	ED37	Hard Glass	Clear	Mogul	Base Up +/-15D	Pulse Start	General Lighting	20000
928601165701	Pulse Start MH Std 400W PS ED37 1SL	ED37	Hard Glass	Clear	Mogul	Universal	Pulse Start	General Lighting	15000

Installation diagrams



E39

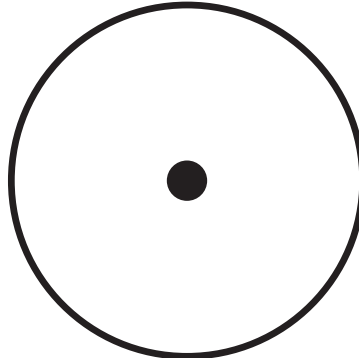


E26

Installation diagrams



h15



any



p15

Light Technical Characteristics

Order code	Full product name	Color Code	Color Designation	Initial Lumens	Chromaticity Coordinate X	Chromaticity Coordinate Y	Color Rendering Index	Luminous Efficacy Lamp	Color Temperature	Design Mean Lumens
928601132001	Pulse Start MH Std 1000W/635 Mog BT37 CL	635	White	120000	410	405	65	120	3700	96000
928601153601	Pulse Start MH Std 750W/635 Mog BT37 CL	635	White	82000	382	398	65	109	4000	61500
928601162701	Pulse Start MH Std 750W Mog BT37 HOR+/-15	640	Cool White	68000	387	397	63	91	4000	44200
928601165201	Pulse Start MH Std 175W/640 CVW PS Medium ED17 1SL	640	Cool White	17500	385	390	68	100	4000	-
928601152101	Pulse Start MH Std 175W/635 Mog ED28 CL	635	White	16000	395	390	62	91	3700	11200
928601152201	Pulse Start MH Std 250W/645 Mog ED28 CL	645	Cool White	23750	374	392	65	95	4300	16625
928601152501	Pulse Start MH Std 320W/640 Mog ED28 CL	640	Cool White	30000	380	394	62	93.8	4100	21000
928601162401	Pulse Start MH Std 175W Mog ED28	640	Cool White	12800	381	394	60	73	4200	8960
928601165301	Pulse Start MH Std 200W PS Mog 1SL	640	Cool White	21000	385	390	68	105	4000	-
928601165501	Pulse Start MH Std 400W/640 CVW Mog ED28 1SL	640	Cool White	44000	385	390	68	110	4000	-
928601165601	Pulse Start MH Std 400W/640 Mog ED28 1WR	640	Cool White	40000	385	390	68	100	4000	-
928601165801	Pulse Start MH Std 250W PS ED28 U 1SL	638	Cool White	22000	410	397	62	88	3800	-
928601157701	Pulse Start MH Std 175W/635 Mog ED28 CO	635	White	15580	415	397	60	91.4	3300	10880
928601152701	Pulse Start MH Std 350W/640 Mog ED37 CL	640	Cool White	36000	385	395	62	102.9	4000	25200
928601165701	Pulse Start MH Std 400W PS ED37 1SL	638	Cool White	40000	390	400	65	100	3800	-

Electrical Characteristics

Order code	Full product name	Energy Used	Lamp Current	Lamp Voltage
928601132001	Pulse Start MH Std 1000W/635 Mog BT37 CL	1000	4.1	263
928601153601	Pulse Start MH Std 750W/635 Mog BT37 CL	750	4.0	200
928601162701	Pulse Start MH Std 750W Mog BT37 HOR+/-15	750	4.0	200
928601165201	Pulse Start MH Std 175W/640 CW PS Medium ED17 1SL	175	1.5	132
928601152101	Pulse Start MH Std 175W/635 Mog ED28 CL	175	1.5	132
928601152201	Pulse Start MH Std 250W/645 Mog ED28 CL	250	2	133
928601152501	Pulse Start MH Std 320W/640 Mog ED28 CL	320	2.6	132
928601162401	Pulse Start MH Std 175W Mog ED28	175	1.5	132
928601165301	Pulse Start MH Std 200W PS Mog 1SL	200	1.6	132
928601165501	Pulse Start MH Std 400W/640 CW Mog ED28 1SL	400	3.2	135
928601165601	Pulse Start MH Std 400W/640 Mog ED28 1WR	400	3.2	135
928601165801	Pulse Start MH Std 250W PS ED28 U 1SL	250	2	133
928601157701	Pulse Start MH Std 175W/635 Mog ED28 CO	175	1.5	132
928601152701	Pulse Start MH Std 350W/640 Mog ED37 CL	350	2.83	135
928601165701	Pulse Start MH Std 400W PS ED37 1SL	400	3.25	135

Environmental Characteristics

Order code	Full product name	Mercury (Hg) Content	Picogram per Lumen Hour
928601132001	Pulse Start MH Std 1000W/635 Mog BT37 CL	210.2 (max)	-
928601153601	Pulse Start MH Std 750W/635 Mog BT37 CL	119 (max)	-
928601162701	Pulse Start MH Std 750W Mog BT37 HOR+/-15	116 (max)	-
928601152101	Pulse Start MH Std 175W/635 Mog ED28 CL	30.6 (max)	-
928601152201	Pulse Start MH Std 250W/645 Mog ED28 CL	32.6 (max)	-
928601152501	Pulse Start MH Std 320W/640 Mog ED28 CL	39.5 (max)	-

Order code	Full product name	Mercury (Hg) Content	Picogram per Lumen Hour
928601162401	Pulse Start MH Std 175W Mog ED28	30.6 (max)	-
928601165801	Pulse Start MH Std 250W PS ED28 U 1SL	35.0 (max)	189.4
928601157701	Pulse Start MH Std 175W/635 Mog ED28 CO	30.6 (max)	-
928601152701	Pulse Start MH Std 350W/640 Mog ED37 CL	39.5 (max)	-
928601165701	Pulse Start MH Std 400W PS ED37 1SL	67 (max)	-

Luminaire Design Requirements

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
928601132001	Pulse Start MH Std 1000W/635 Mog BT37 CL	250 (max)	430 (max)
928601153601	Pulse Start MH Std 750W/635 Mog BT37 CL	210 (max)	430 (max)
928601162701	Pulse Start MH Std 750W Mog BT37 HOR+/-15	210 (max)	430 (max)
928601165201	Pulse Start MH Std 175W/640 CW PS Medium ED17 1SL	210 (max)	450 (max)
928601152101	Pulse Start MH Std 175W/635 Mog ED28 CL	210 (max)	400 (max)
928601152201	Pulse Start MH Std 250W/645 Mog ED28 CL	210 (max)	400 (max)
928601152501	Pulse Start MH Std 320W/640 Mog ED28 CL	210 (max)	400 (max)
928601162401	Pulse Start MH Std 175W Mog ED28	210 (max)	400 (max)
928601165301	Pulse Start MH Std 200W PS Mog 1SL	210 (max)	400 (max)
928601165501	Pulse Start MH Std 400W/640 CW Mog ED28 1SL	230 (max)	450 (max)
928601165601	Pulse Start MH Std 400W/640 Mog ED28 1WR	230 (max)	450 (max)
928601165801	Pulse Start MH Std 250W PS ED28 U 1SL	210 (max)	400 (max)
928601157701	Pulse Start MH Std 175W/635 Mog ED28 CO	210 (max)	400 (max)
928601152701	Pulse Start MH Std 350W/640 Mog ED37 CL	210 (max)	400 (max)
928601165701	Pulse Start MH Std 400W PS ED37 1SL	210 (max)	400 (max)



© 2012 Koninklijke Philips Electronics N.V.
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com/lighting

2012, July 19
data subject to change