



Replacement Lamps

Mercury Vapor Standard

Mercury Vapor lamps feature low initial cost, but have higher operating costs than HPS or Metal Halide due to its lower efficiency. The clear mercury bulb has a bluish green appearance and the Deluxe White has a higher color rendering. Mercury lamps get dimmer over time and rarely burn out, so it is wise to replace them and restore light level.

Benefits

- Assorted wattages and bulb types available to choose from.

Features

- Life = +24,000 hours.
- CRI = Clear 20, Deluxe White 45.
- Color Temperature = Cool.
- Efficiency—50 Lumens per watt.
- Available in 50, 75, 100, 175, 250, 400 and 1000 watts. Multiple choices of bulbs types available.

Application

- Ideal for landscape lighting, dusk to dawn fixtures, roadway, parking lots, floodlight, and security.

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)

Mercury Vapor Standard

Versions



HPL, E39/40

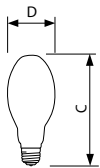
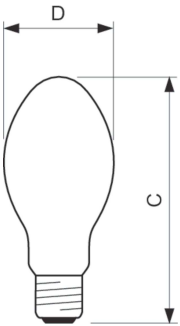


HPL, 100W, E39



E39, ED-28, Coated

Dimensional drawing



Product	D (max)	C (max)
HPL-N 175W E39/41 HG CL.SLV/12	91 mm	211 mm
HPL-N 175W E39/41 HG CL.1CT/3	91 mm	211 mm
HPL-N 250W E39/41 HG.SLV/12	91 mm	211 mm
HPL-N 250W E39/41 HG.1CT/3	91 mm	211 mm
HPL-N 400W E39/41 HG.SLV/6	122 mm	290 mm
HPL-N 100W E39 HG 1SL/12	76 mm	188 mm

Product	D	C (max)
H39KC-175/DX FULL CT 12PK	3.5 in	8.313 in
H39KC-175/DX 3PK	3.5 in	8.313 in

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General Information	
Cap-Base	E39
Life To 50% Failures (Nom)	15000 h
Life To 5% Failures (Nom)	5000 h
Operating Position	UNIVERSAL
Luminaire Design Requirements	
Bulb Temperature (Max)	400 °C
Light Technical	
Lumen Maintenance 2000 h (Nom)	88 %
Mechanical and Housing	
Bulb Material	Hard Glass

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	193 kWh	-	34.5 mg
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	193 kWh	-	34.5 mg
928485100091	HPL-N 250W E39/41 HG.SLV/12	-	-	38 mg
928485100093	HPL-N 250W E39/41 HG.1CT/3	-	-	38 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928485300091	HPL-N 400W E39/41 HG.SLV/6	-	-	72 mg
928485500091	HPL-N 100W E39 HG 1SL/12	-	-	13.7 mg
928601011012	H39KC-175/DX FULL CT 12PK	-	34.5 mg	-
928601011014	H39KC-175/DX 3PK	-	34.5 mg	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	No
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	No
928485100091	HPL-N 250W E39/41 HG.SLV/12	No
928485100093	HPL-N 250W E39/41 HG.1CT/3	No

Order Code	Full Product Name	Dimmable
928485300091	HPL-N 400W E39/41 HG.SLV/6	No
928485500091	HPL-N 100W E39 HG 1SL/12	No
928601011012	H39KC-175/DX FULL CT 12PK	-
928601011014	H39KC-175/DX 3PK	-

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Lamp Current (EM)			Power (Rated)		Re-Ignition Time	
			(Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	(Nom)	(Min) (Max)	
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	-	1.5 A	140 V	120 V	130 V	175.0 W	-	-
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	-	1.5 A	140 V	120 V	130 V	175.0 W	-	-
928485100091	HPL-N 250W E39/41 HG.SLV/12	-	2.1 A	145 V	125 V	135 V	250.0 W	-	-
928485100093	HPL-N 250W E39/41 HG.1CT/3	-	2.1 A	145 V	125 V	135 V	250.0 W	-	-
928485300091	HPL-N 400W E39/41 HG.SLV/6	-	3.25 A	150 V	130 V	140 V	400 W	-	-
928485500091	HPL-N 100W E39 HG 1SL/12	-	0.85 A	140 V	120 V	130 V	100.0 W	-	-
928601011012	H39KC-175/DX FULL CT 12PK	1.5 A	-	140 V	120 V	130 V	-	-	10 min
928601011014	H39KC-175/DX 3PK	1.5 A	-	140 V	120 V	130 V	-	-	10 min

General Information (1/2)

Mercury Vapor Standard

Order Code	Full Product Name	Life To 20%	LSF 12000 h	LSF 16000 h	LSF 2000 h	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Failures (Nom)	Rated	Rated	Rated	Rated	Rated	Rated
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	10000 h	65 %	45 %	99 %	97 %	94 %	92 %
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	10000 h	65 %	45 %	99 %	97 %	94 %	92 %
928485100091	HPL-N 250W E39/41 HG.SLV/12	10000 h	65 %	45 %	99 %	97 %	94 %	92 %
928485100093	HPL-N 250W E39/41 HG.1CT/3	10000 h	65 %	45 %	99 %	97 %	94 %	92 %
928485300091	HPL-N 400W E39/41 HG.SLV/6	10000 h	65 %	45 %	99 %	97 %	94 %	92 %
928485500091	HPL-N 100W E39 HG 1SL/12	10000 h	65 %	45 %	99 %	97 %	94 %	92 %
928601011012	H39KC-175/DX FULL CT 12PK	-	-	-	-	-	-	-
928601011014	H39KC-175/DX 3PK	-	-	-	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	Main Application	Order Code	Full Product Name	Main Application
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	-	928485300091	HPL-N 400W E39/41 HG.SLV/6	-
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	-	928485500091	HPL-N 100W E39 HG 1SL/12	-
928485100091	HPL-N 250W E39/41 HG.SLV/12	-	928601011012	H39KC-175/DX FULL CT 12PK	General and Street Lighting
928485100093	HPL-N 250W E39/41 HG.1CT/3	-	928601011014	H39KC-175/DX 3PK	General and Street Lighting

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color		Color		
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Color Designation	Correlated Color Temperature (Nom)	Rendering Index (Min)	Rendering Index (Nom)
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	323	384	556	Cool White (CW)	5900 K	-	-
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	323	384	556	Cool White (CW)	5900 K	-	-
928485100091	HPL-N 250W E39/41 HG.SLV/12	380	385	542	Cool White (CW)	4100 K	-	-
928485100093	HPL-N 250W E39/41 HG.1CT/3	380	385	542	Cool White (CW)	4100 K	-	-
928485300091	HPL-N 400W E39/41 HG.SLV/6	376	385	542	Cool White (CW)	4200 K	-	50
928485500091	HPL-N 100W E39 HG 1SL/12	370	370	542	Cool White (CW)	3950 K	-	-
928601011012	H39KC-175/DX FULL CT 12PK	378	375	-	-	4100 K	-	-
928601011014	H39KC-175/DX 3PK	378	375	-	-	4100 K	-	-

Light Technical (2/3)

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF	LLMF	LLMF	LLMF	Lumen	Lumen
		12000 h Rated	16000 h Rated	2000 h Rated	20000 h Rated	4000 h Rated	6000 h Rated	8000 h Rated	Maintenance 10000 h (Min)	Maintenance 10000 h (Nom)
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	68 %	66 %	88 %	64 %	84 %	77 %	73 %	60 %	70 %
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	68 %	66 %	88 %	64 %	84 %	77 %	73 %	60 %	70 %
928485100091	HPL-N 250W E39/41 HG.SLV/12	78 %	74 %	88 %	70 %	86 %	84 %	82 %	70 %	80 %
928485100093	HPL-N 250W E39/41 HG.1CT/3	78 %	74 %	88 %	70 %	86 %	84 %	82 %	70 %	80 %
928485300091	HPL-N 400W E39/41 HG.SLV/6	78 %	74 %	88 %	70 %	86 %	84 %	82 %	70 %	80 %
928485500091	HPL-N 100W E39 HG 1SL/12	72 %	70 %	88 %	68 %	86 %	82 %	78 %	65 %	75 %
928601011012	H39KC-175/DX FULL CT 12PK	-	-	-	-	-	-	-	60 %	70 %
928601011014	H39KC-175/DX 3PK	-	-	-	-	-	-	-	60 %	70 %

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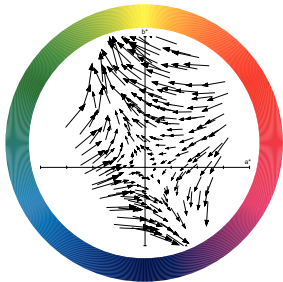
Light Technical (3/3)

Order Code	Full Product Name	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	80 %	70 %	80 %	43 lm/W	6660 lm	7400 lm
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	80 %	70 %	80 %	43 lm/W	6660 lm	7400 lm
928485100091	HPL-N 250W E39/41 HG.SLV/12	78 %	75 %	85 %	48 lm/W	10800 lm	12000 lm
928485100093	HPL-N 250W E39/41 HG.1CT/3	78 %	75 %	85 %	48 lm/W	10800 lm	12000 lm
928485300091	HPL-N 400W E39/41 HG.SLV/6	78 %	75 %	85 %	53 lm/W	18900 lm	21000 lm
928485500091	HPL-N 100W E39 HG 1SL/12	80 %	75 %	85 %	42 lm/W	3800 lm	4200 lm
928601011012	H39KC-175/DX FULL CT 12PK	80 %	70 %	80 %	45 lm/W	7000 lm	7900 lm
928601011014	H39KC-175/DX 3PK	80 %	70 %	80 %	45 lm/W	7000 lm	7900 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape	Order Code	Full Product Name	Bulb Finish	Bulb Shape
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	Clear	ED90	928485300091	HPL-N 400W E39/41 HG.SLV/6	Coated glass	ED120
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	Clear	ED90	928485500091	HPL-N 100W E39 HG 1SL/12	Coated glass	ED75
928485100091	HPL-N 250W E39/41 HG.SLV/12	Coated glass	ED90	928601011012	H39KC-175/DX FULL CT 12PK	Coated glass	ED-28
928485100093	HPL-N 250W E39/41 HG.1CT/3	Coated glass	ED90	928601011014	H39KC-175/DX 3PK	Coated glass	ED-28

Color Rendering Diagrams



LDCR_HPL_0002-Colour rendering diagram



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