



# 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

### Features

### Application

### Warnings and Safety

### Versions



HPL, E39/40



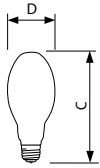
HPL, 100W, E39



E39, ED-28, Coated

# Mercury Vapor Standard

## Dimensional drawing



D

### Product

H39KC-175/DX 3PK

H39KC-175/DX FULL CT 12PK

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

### 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
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### Light Technical

Lumen Maintenance 2000 h (Nom)	88 %
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### Mechanical and Housing

Bulb Material	Hard Glass
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## 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

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928485100093	HPL-N 250W E39/41 HG.1CT/3	-	-	38 mg
928485300091	HPL-N 400W E39/41 HG.SLV/6	-	-	72 mg
928485500091	HPL-N 100W E39 HG 1SL/12	-	-	13.7 mg

## Mercury Vapor Standard

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
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) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)	Re-ignition Time (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)

Order Code	Full Product Name	Life To 20% Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 2000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h 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
928484900091	HPL-N 175W E39/41 HG CL.SLV/12	-
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	-
928485100091	HPL-N 250W E39/41 HG.SLV/12	-
928485100093	HPL-N 250W E39/41 HG.1CT/3	-

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

### Light Technical (1/3)

## Mercury Vapor Standard

Order Code	Full Product Name	Chromaticity	Chromaticity	Color		Correlated Color	Color	Color
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Color Designation	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 %

### Light Technical (3/3)

Order Code	Full Product Name	Lumen Maintenance	Lumen Maintenance	Lumen Maintenance	Luminous Efficacy	Luminous Flux	Luminous Flux
		2000 h (Min)	5000 h (Min)	5000 h (Nom)	(rated) (Nom)	(Rated) (Min)	(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

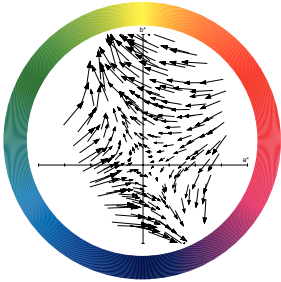
### Mechanical and Housing

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	928485100093	HPL-N 250W E39/41 HG.1CT/3	Coated glass	ED90
928484900093	HPL-N 175W E39/41 HG CL.1CT/3	Clear	ED90	928485300091	HPL-N 400W E39/41 HG.SLV/6	Coated glass	ED120
928485100091	HPL-N 250W E39/41 HG.SLV/12	Coated glass	ED90	928485500091	HPL-N 100W E39 HG 1SL/12	Coated glass	ED75

# Mercury Vapor Standard

Order Code	Full Product Name	Bulb Finish	Bulb Shape	Order Code	Full Product Name	Bulb Finish	Bulb Shape
928601011012	H39KC-175/DX FULL CT 12PK	Coated glass	ED-28	928601011014	H39KC-175/DX 3PK	Coated glass	ED-28

## Color Rendering Diagrams



LDCR\_HPL\_0002-Colour rendering diagram

