



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

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Versions



HPL, E39/40

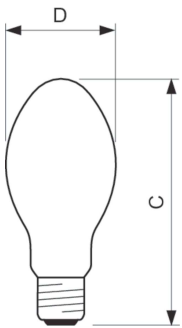


HPL, 100W, E39



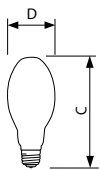
E39, ED-28, Coated

Dimensional drawing



Product	D (max)	C (max)
HPL-N 100W E39 HG 1SL/12	76 mm	188 mm
HPL-N 400W E39/41 HG.SLV/6	122 mm	290 mm

Product	D	C (max)
H39KC-175/DX FULL CT 12PK	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
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Light Technical

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

Bulb Finish	Coated glass
Bulb Material	Hard Glass

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
248427	H33GL-400/DX FULL CT 6PK	-	72 mg
337139	H38JA-100/DX 12PK	-	13.7 mg
248054	H39KC-175/DX FULL CT 12PK	34.5 mg	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
248427	H33GL-400/DX FULL CT 6PK	No
337139	H38JA-100/DX 12PK	No

Order Code	Full Product Name	Dimmable
248054	H39KC-175/DX FULL CT 12PK	-

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp		Voltage (Max)	Voltage (Min)
		Current (Nom)	Current (EM) (Nom)		
248427	H33GL-400/DX FULL CT 6PK	-	3.25 A	150 V	130 V
337139	H38JA-100/DX 12PK	-	0.85 A	140 V	120 V

Order Code	Full Product Name	Lamp		Voltage (Max)	Voltage (Min)
		Current (Nom)	Current (EM) (Nom)		
248054	H39KC-175/DX FULL CT 12PK	1.5 A	-	140 V	120 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Re-Ignition Time (Min) (Max)
337139	H38JA-100/DX 12PK	130 V	100.0 W	-

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Re-Ignition Time (Min) (Max)

General Information (1/2)

Order Code	Full Product Name	Life To 20% Failures (Nom)	Life To 20%		
			LSF 12000 h Rated	LSF 16000 h Rated	LSF 2000 h Rated
248427	H33GL-400/DX FULL CT 6PK	10000 h	65 %	45 %	99 %
337139	H38JA-100/DX 12PK	10000 h	65 %	45 %	99 %

Order Code	Full Product Name	Life To 20% Failures (Nom)	Life To 20%		
			LSF 12000 h Rated	LSF 16000 h Rated	LSF 2000 h Rated
248054	H39KC-175/DX FULL CT 12PK	-	-	-	-

General Information (2/2)

Mercury Vapor Standard

Order Code	Full Product Name	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated	Main Application
248427	H33GL-400/DX FULL CT 6PK	97 %	94 %	92 %	-
337139	H38JA-100/DX 12PK	97 %	94 %	92 %	-

Order Code	Full Product Name	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated	Main Application
248054	H39KC-175/DX FULL CT 12PK	-	-	-	General and Street Lighting

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
248427	H33GL-400/DX FULL CT 6PK	376	385	542	Cool White (CW)
337139	H38JA-100/DX 12PK	370	370	542	Cool White (CW)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
248054	H39KC-175/DX FULL CT 12PK	378	375	-	-

Light Technical (2/3)

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Rendering Index (Min)	Color Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated	LLMF 20000 h Rated	LLMF 4000 h Rated	LLMF 6000 h Rated
248427	H33GL-400/DX FULL CT 6PK	4200 K	-	50	78 %	74 %	88 %	70 %	86 %	84 %
337139	H38JA-100/DX 12PK	3950 K	-	-	72 %	70 %	88 %	68 %	86 %	82 %
248054	H39KC-175/DX FULL CT 12PK	4100 K	-	-	-	-	-	-	-	-

Light Technical (3/3)

Order Code	Full Product Name	LLMF 8000 h Rated	Lumen Maintenance 10000 h (Min)	Lumen Maintenance 10000 h (Nom)	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)
248427	H33GL-400/DX FULL CT 6PK	82 %	70 %	80 %	78 %	75 %	85 %	53 lm/W	18900 lm	21000 lm
337139	H38JA-100/DX 12PK	78 %	65 %	75 %	80 %	75 %	85 %	42 lm/W	3800 lm	4200 lm
248054	H39KC-175/DX FULL CT 12PK	-	60 %	70 %	80 %	70 %	80 %	45 lm/W	7000 lm	7900 lm

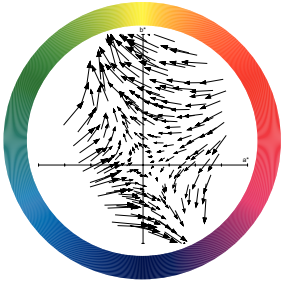
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
248427	H33GL-400/DX FULL CT 6PK	ED120
337139	H38JA-100/DX 12PK	ED-23 1/2

Order Code	Full Product Name	Bulb Shape
248054	H39KC-175/DX FULL CT 12PK	ED28

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Color Rendering Diagrams



LDCR_HPL_0002-Colour rendering diagram

