



# Mercury Vapor Standard

## Mercury Vapor 100W Mog ED23 1/2 CO

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.

### Product data

#### • General Characteristics

Base	Mogul [Mogul]
Bulb	ED-23 1/2 [ED 75mm]
Bulb Material	Hard Glass
Bulb Finish	Coated
Operating Position	Universal [Any or Universal (U)]
Life to 5% failures	5000 hr
Life to 20% failures	10000 hr
RatedAvgLife(See Family Notes)	15000 hr

#### • Light Technical Characteristics

Color Code	542 [CCT of 4200K]
Color Rendering Index	45 Ra8
Color Designation	Cool White
Color Temperature	3950 K
Initial Lumens	4200 Lm
Luminous Efficacy Lamp EM	42 Lm/W
Lumen Maintenance 2000h	90 %
Lumen Maintenance 5000h	85 %
Chromaticity Coordinate X	385 -
Chromaticity Coordinate Y	380 -

#### • Electrical Characteristics

Watts	100 W
Lamp Wattage EM 25°C, Nominal	100.0 W

Lamp Wattage EM 25°C, Rated	100.0 W
Lamp Voltage	130 V
Lamp Current EM	0.85 A
Dimmable	No

#### • Environmental Characteristics

Mercury (Hg) Content	13.7 mg
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#### • Luminaire Design Requirements

Cap-Base Temperature	210 (max) C
Bulb Temperature	350 (max) C

#### • Product Dimensions

Overall Length C	188 (max) mm
Diameter D	76 (max) mm

#### • Product Data

Product number	337139
Full product name	HPL-N 100W E39 HG 1SL
Short product name	HPL-N 100W E39 HG 1SL/12
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677337131
Bar code on case	50046677337136
Logistics code(s)	928485500091
eop_net_weight_pp	0.121 kg

# PHILIPS

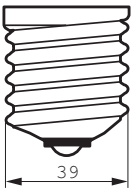
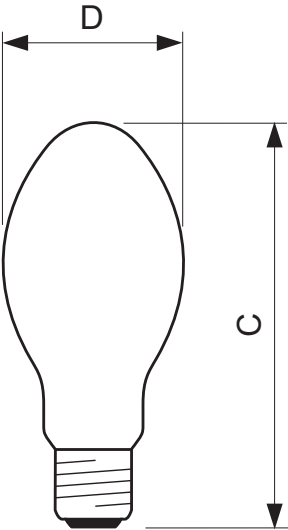
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## Warnings and Safety

- 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)

## Dimensional drawing

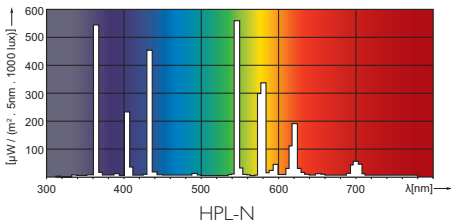


E39

## Mercury Vapor 100W Mog ED23 1/2 CO

Product	C (Max)	D (Max)
HPL N 100W E39 HG	188	76

## Photometric data





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data subject to change