



# Mercury Vapor Standard

Mercury Vapor N 400W/542 CW Mog ED120 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.

**PHILIPS**

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## Product data

### • General Characteristics

Base	Mogul [Mogul]
Bulb	ED120 [ED 120mm]
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	50 Ra8
Color Designation	Cool White
Color Temperature	4200 K
Initial Lumens	21000 Lm
Luminous Efficacy	53 Lm/W
Lamp EM	
Lumen Maintenance 2000h	88 %
Lumen Maintenance 5000h	85 %
Chromaticity Coordinate X	384 -
Chromaticity Coordinate Y	384 -

### • Electrical Characteristics

Watts	400 W
Lamp Wattage EM 25°C, Nominal	400.0 W
Lamp Wattage EM 25°C, Rated	400.0 W

Lamp Voltage	140 V
Lamp Current EM	3.25 A
Dimmable	No

### • Environmental Characteristics

Mercury (Hg) Content	72 mg
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### • Luminaire Design Requirements

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

### • Product Dimensions

Overall Length C	290 (max) mm
Diameter D	122 (max) mm

### • Product Data

Product number	248427
Product number (full)	248427
Full product name	Mercury Vapor N 400W/542 CW Mog ED120 CO
Short product name	H33GL-400/DX FULL CT 6PK
Pieces per Sku	1
eop_pck_cfg	6
Skus/Case	6
Bar code on pack	46677248420
Bar code on case	50046677248425
Logistics code(s)	928485300091
eop_net_weight_pp	0.250 kg

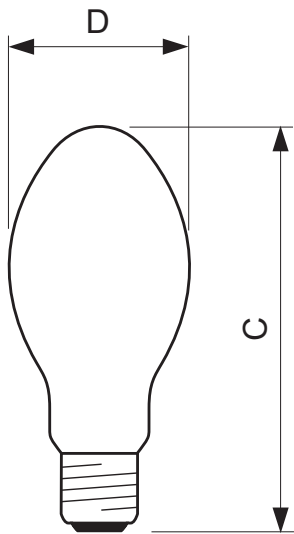
## Warnings and Safety

- 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)

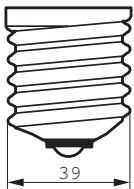
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## Dimensional drawing



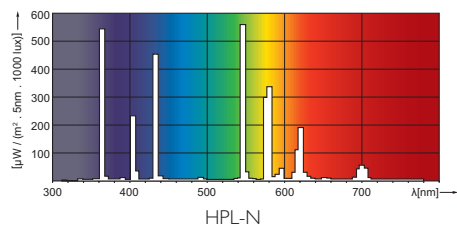
### Mercury Vapor N 400W/542 CW Mog ED120 CO

Product	C (Max)	D (Max)
HPL N 400W E39 HG	290	122



E39

## Photometric data



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data subject to change