PHILIPS

# Energy Advantage CDM Lamps with Allstart Technology

D_CALSTA



## Direct retrofit and long life with immediate energy savings

Philips Energy Advantage CDM lamps with AllStart Technology is a high-efficiency protected “O” rated CDM lighting solution that provides energy savings without compromising light quality.

### Benefits

- Reduced maintenance and recycling costs
- Direct retrofit for both probe and pulse start magnetic ballasts (not suitable for operation on electronic ballasts)
- Excellent color rendering of CRI ≥ 85

### Applications

- Ideal for high-ceiling industrial, retail and distribution centers as well as outdoor applications.

### Features

- Provides crisp, white light
- Up to 100 lumens per watt
- Universal operating position that does not affect the lamp life; exception: 860W vertical position only.

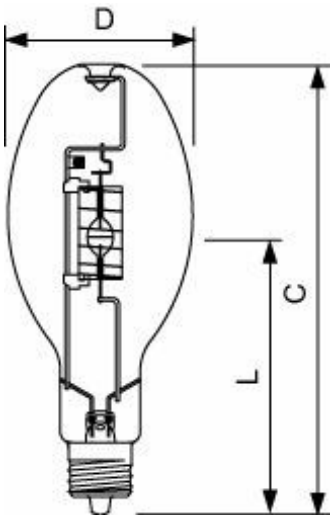
- Long life ≥ 20,000 hrs rated average life<sup>1 </sup>
- * 330W CDM lamp with AllStart™Technology compared to 400W quartz Metal Halide lamp. <sup>1</sup> Rated average life is the life obtained on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average.
- 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)

## Versions



LPPR D-CDM-AL 0001

## Dimensional drawing




| Product | D (max) | D | L (max) | L | C |
|---|---|---|---|---|---|
| 330W ED37 CO Allstart 1SL | 118 mm | 4.625 inch | 184 mm | 178 mm | 11.5 inch |

### General Information

| | |
|---|---|
| Cap-Base | EX39 [Exclusionary Mogul Screw] |
| Operating Position | UNIVERSAL [Any or Universal (U)] |

## Light Technical

| | |
|---|---|
| Color Designation | 4000 Kelvin |
| Chromaticity Coordinate X (Nom) | 0.386 |
| Chromaticity Coordinate Y (Nom) | 0.390 |
| Correlated Color Temperature (Nom) | 3950 K |
| Luminous Efficacy (Rated) (Min) | 85 lm/W |
| Luminous Efficacy (rated) (Nom) | 94 lm/W |
| Color rendering index (CRI) | 86 |

## Operating and Electrical

| | |
|---|---|
| Lamp Current (Nom) | 3.02 A |
| Voltage (Nom) | 130 V |

## Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Coated glass |
| Bulb Shape | ED37 |

## Approval and Application

| | |
|---|---|
| Mercury (Hg) Content (Max) | 50 mg |

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