



# Energy Advantage CDM Lamps with Allstart Technology

## CDM330/V/O/4K/E/LL Allstart

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.

### Product data

| General Information             |                                                             |                                    |          |
|---------------------------------|-------------------------------------------------------------|------------------------------------|----------|
| Cap-Base                        | EX39 [ Exclusionary Mogul Screw]                            | Chromaticity Coordinate X (Nom)    | 0.381    |
| Operating Position              | VBU/VBD20 [ base up/base down +/- 20 degrees]               | Chromaticity Coordinate Y (Max)    | 0.404    |
| Life to 50% Failures (Nom)      | 36000 h                                                     | Chromaticity Coordinate Y (Min)    | 0.364    |
| ANSI Code HID                   | C185/O                                                      | Chromaticity Coordinate Y (Nom)    | 0.384    |
| Features                        | ENERGYADVANTAGELONGL [ Energy Advantage Long Life Allstart] | Correlated Color Temperature (Nom) | 4050 K   |
|                                 |                                                             | Luminous Efficacy (Rated) (Min)    | 91 lm/W  |
|                                 |                                                             | Luminous Efficacy (rated) (Nom)    | 100 lm/W |
|                                 |                                                             | Color Rendering Index (Min)        | -        |
|                                 |                                                             | Color Rendering Index (Nom)        | 90       |
| Light Technical                 |                                                             |                                    |          |
| Color Code                      | 940 [ CCT of 4000K]                                         |                                    |          |
| Luminous Flux (Rated) (Min)     | 30000 lm                                                    |                                    |          |
| Luminous Flux (Rated) (Nom)     | 33000 lm                                                    |                                    |          |
| Color Designation               | 4000 Kelvin                                                 |                                    |          |
| Lumen Maintenance - 40% Life    | 70 %                                                        |                                    |          |
| Lumen Maintenance - 10% Life    | 80 %                                                        |                                    |          |
| Saturated Red                   | 50                                                          |                                    |          |
| Design Mean Lumens              | 23100 lm                                                    |                                    |          |
| Chromaticity Coordinate X (Max) | 0.397                                                       |                                    |          |
| Chromaticity Coordinate X (Min) | 0.365                                                       |                                    |          |
|                                 |                                                             | Operating and Electrical           |          |
|                                 |                                                             | Lamp Current (Nom)                 | 3.02 A   |
|                                 |                                                             | Ignition Supply Voltage (Min)      | 280 V    |
|                                 |                                                             | Re-Ignition Time (Min) (Max)       | 15 min   |
|                                 |                                                             | Ignition Time (Max)                | 120 s    |
|                                 |                                                             | Voltage (Max)                      | 140 V    |
|                                 |                                                             | Voltage (Min)                      | 120 V    |
|                                 |                                                             | Voltage (Nom)                      | 130 V    |

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### Mechanical and Housing

|                      |                  |
|----------------------|------------------|
| Bulb Finish          | CL [ Clear (CL)] |
| Overall Length (Max) | 11.5 in          |

### Approval and Application

|                            |            |
|----------------------------|------------|
| Picogram Per Lumen Hour    | 60 pg/lm.h |
| Mercury (Hg) Content (Max) | 50 mg      |

### UV

|                          |               |
|--------------------------|---------------|
| Pet (Niosh) (Nom)        | 42.88 h/500lx |
| Damage Factor D/fc (Nom) | 0.32          |

### Luminaire Design Requirements

|                        |        |
|------------------------|--------|
| Bulb Temperature (Max) | 163 °C |
|------------------------|--------|

|                            |        |
|----------------------------|--------|
| Cap-Base Temperature (Nom) | 130 °C |
|----------------------------|--------|

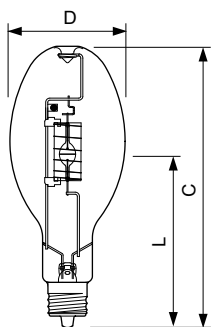
### Product Data

|                                 |                              |
|---------------------------------|------------------------------|
| Order product name              | CDM330/V/O/4K/EA/LL Allstart |
| EAN/UPC - Product               | 046677421779                 |
| Order code                      | 421776                       |
| Numerator - Quantity Per Pack   | 1                            |
| Numerator - Packs per outer box | 6                            |
| Material Nr. (12NC)             | 928601174801                 |
| Net Weight (Piece)              | 0.001 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)

### Dimensional drawing



CDMAllstar 330W/940 ED37 EA LL Allstart

| Product                      | D       | D      | L (max) | L      | C       |
|------------------------------|---------|--------|---------|--------|---------|
| CDM330/V/O/4K/EA/LL Allstart | 4.65 in | 118 mm | 184 mm  | 178 mm | 11.5 in |

