



# Energy Advantage CDM Lamps with Allstart Technology

## CDM330/U/O/4K EA 130V 6/1

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.

### 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](http://www.lamprecycle.org) or 1-800-555-0050

### Product data

General Information			
Base	EX39 [ Exclusionary Mogul Screw]	Color Designation	4000 Kelvin
Operating Position	Universal [ Universal]	Lumen Maintenance - 40% Life	75 %
Life to 50% Failures (Nom)	24000 h	Lumen Maintenance - 10% Life	90 %
ANSI Code HID	C185/O	Saturated Red (R9)	50
Features	Energy Advantage AllStart	Design Mean Lumens	24000 lm
Light Technical		Chromaticity Coordinate X (Max)	0.397
Color Code	940 [ CCT of 4000K]	Chromaticity Coordinate X (Min)	0.365
Luminous Flux (Rated) (Min)	30000 lm	Chromaticity Coordinate X (Nom)	0.381
Luminous Flux (Rated) (Nom)	32000 lm	Chromaticity Coordinate Y (Max)	0.404
		Chromaticity Coordinate Y (Min)	0.364
		Chromaticity Coordinate Y (Nom)	0.384

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Luminous Efficacy (Rated) (Min)	91 lm/W
Luminous Efficacy (rated) (Nom)	97 lm/W
Color Rendering Index (Min)	-
Color Rendering Index (Nom)	86

### Operating and Electrical

Lamp Current (Nom)	3.02 A
Ignition Supply Voltage (Min)	280 V
Re-Ignition Time (Min) (Nom)	15 min
Ignition Time (Max)	120 s
Voltage (Max)	140 V
Voltage (Min)	120 V
Voltage (Nom)	130 V

### Mechanical and Housing

Bulb Finish	Clear
Overall Length (Max)	11.5 in

### Approval and Application

Picogram Per Lumen Hour	84.2 pg/lm.h
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Mercury (Hg) Content (Max)	50 mg
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### UV

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

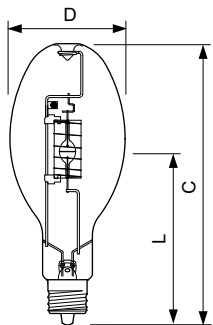
### Luminaire Design Requirements

Bulb Temperature (Max)	163 °C
Cap-Base Temperature (Nom)	130 °C

### Product Data

Order product name	Allstart Energy Adv 330W ED37 CL 1SL
EAN/UPC - Product	046677232597
Order code	232595
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	928601165903
Net Weight (Piece)	0.001 kg

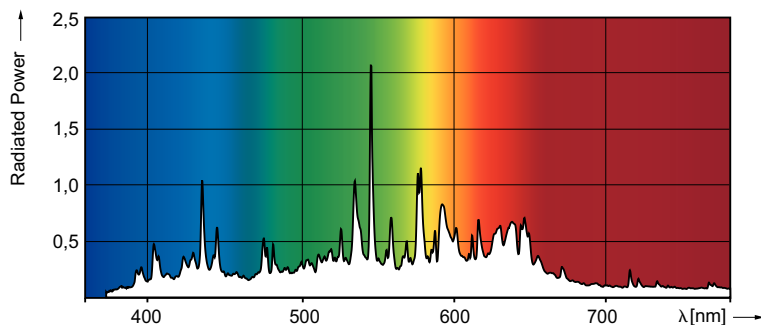
## Dimensional drawing



CDM Allstar 330W/940 ED37 U EA AllStart

Product	D (max)	D	L (max)	L	C
Allstart Energy Adv 330W ED37 CL 1SL	118 mm	4.625 in	184 mm	178 mm	11.5 in

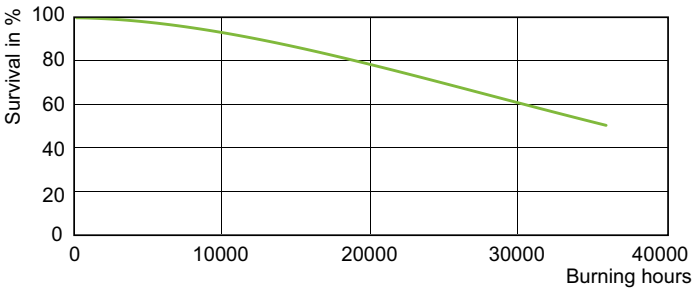
## Photometric data



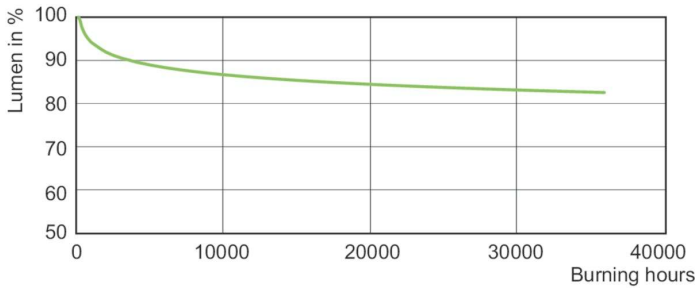
LDPO\_D-CDM-AL\_0005-Spectral power distribution Colour

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Lifetime



LDLE\_D-CDM-AL\_0005-Life expectancy diagram



LDLM\_D-CDM-AL\_0005-Lumen maintenance diagram

