



# Energy Advantage CDM Lamps with Allstart Technology

## CDM205/U/O/4K EA 130V 12/1

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]
Operating Position	Universal [ Universal]
Life to 50% Failures (Nom)	20000 h
ANSI Code HID	C184/O
Features	Energy Advantage AllStart
Light Technical	
Color Code	841 [ CCT of 4100K]
Luminous Flux (Rated) (Min)	18000 lm
Luminous Flux (Rated) (Nom)	19500 lm

Color Designation	4100 Kelvin
Lumen Maintenance - 40% Life	80 %
Lumen Maintenance - 10% Life	94 %
Saturated Red (R9)	40
Design Mean Lumens	15600 lm
Chromaticity Coordinate X (Max)	0.397
Chromaticity Coordinate X (Min)	0.365
Chromaticity Coordinate X (Nom)	0.381
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)	88 lm/W
Luminous Efficacy (rated) (Nom)	95 lm/W
Color Rendering Index (Min)	-
Color Rendering Index (Nom)	84

### Operating and Electrical

Lamp Current (Nom)	1.9 A
Ignition Supply Voltage (Min)	350 V
Re-Ignition Time (Min) (Nom)	18.3 min
Ignition Time (Max)	120 s
Voltage (Max)	138 V
Voltage (Min)	118 V
Voltage (Nom)	128 V

### Mechanical and Housing

Bulb Finish	Clear
Overall Length (Max)	8.313 in

### Approval and Application

Picogram Per Lumen Hour	121.8 pg/lm.h
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Mercury (Hg) Content (Max)	38 mg
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### UV

Pet (Niosh) (Nom)	157.5 h/500lx
Damage Factor D/fc (Nom)	0.42

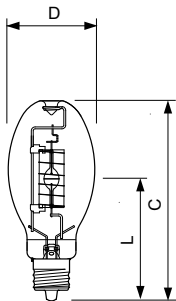
### Luminaire Design Requirements

Bulb Temperature (Max)	175 °C
Cap-Base Temperature (Nom)	130 °C

### Product Data

Order product name	CDM205/U/O/4K/EA/ED28
EAN/UPC - Product	046677232566
Order code	232561
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601166003
Net Weight (Piece)	0.001 kg

## Dimensional drawing



CDMAllstar 205W/841 ED28 U EA AllStart

Product	D	D	L (min)	L (max)	L	C
CDM205/U/O/4K/EA/ED28	3.5 in	89 mm	125 mm	129 mm	127 mm	8.313 in

