



# Energy Advantage CDM Lamps with Allstart Technology

## CDM205/U/O/4K/EA/ED28

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]
Bulb Shape	ED28 [ ED28]
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	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
Correlated Color Temperature (Nom)	4050 K
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

## Energy Advantage CDM Lamps with Allstart Technology

Voltage (Nom)	128 V
<b>Mechanical and Housing</b>	
Bulb Finish	Clear (CL)
Overall Length (Max)	8.313 in
<b>Approval and Application</b>	
Picogram Per Lumen Hour	121.8 pg/lm.h
Mercury (Hg) Content (Max)	38 mg
<b>UV</b>	
Pet (Niosh) (Nom)	157.5 h/500lx
Damage Factor D/fc (Nom)	0.42

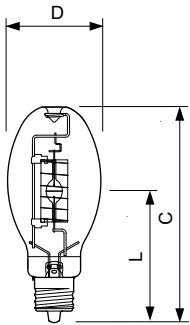
### Luminaire Design Requirements

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



CDMAlstar 205W/841 ED28 U EA AllStart

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

