



Energy Advantage CDM Lamps with Allstart Technology

CDM145/U/O/4K 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.

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 or 1-800-555-0050

Product data

General Information		Color Designation	
Base	EX39 [Exclusionary Mogul Screw]	Lumen Maintenance - 40% Life	4000 Kelvin
Operating Position	Universal [Universal]	Lumen Maintenance - 10% Life	80 %
Life to 50% Failures (Nom)	20000 h	Saturated Red (R9)	90 %
ANSI Code HID	C192/O	Design Mean Lumens	40
Features	Energy Advantage AllStart	Chromaticity Coordinate X (Max)	11020 lm
Light Technical		Chromaticity Coordinate X (Min)	0.390
Color Code	940 [CCT of 4000K]	Chromaticity Coordinate X (Nom)	0.358
Luminous Flux (Rated) (Min)	12400 lm	Chromaticity Coordinate X (Max)	0.374
Luminous Flux (Rated) (Nom)	13775 lm	Chromaticity Coordinate Y (Max)	0.400
		Chromaticity Coordinate Y (Min)	0.360
		Chromaticity Coordinate Y (Nom)	0.380

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Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (Rated) (Min)	85 lm/W
Luminous Efficacy (rated) (Nom)	95 lm/W
Color Rendering Index (Min)	-
Color Rendering Index (Nom)	87

Operating and Electrical

Power (Rated) (Nom)	145.5 W
Lamp Current (Nom)	1.45 A
Re-Ignition Time (Min) (Nom)	8 min
Ignition Time (Max)	120 s
Voltage (Max)	141 V
Voltage (Min)	117 V
Voltage (Nom)	125 V

Mechanical and Housing

Bulb Finish	Clear
Overall Length (Max)	8.313 in

Approval and Application

Picogram Per Lumen Hour	163.1 pg/lm.h
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Mercury (Hg) Content (Max)	37 mg
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UV

Pet (Niosh) (Nom)	48.5 h/500lx
Damage Factor D/fc (Nom)	0.58

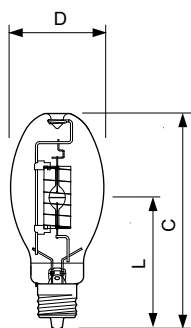
Luminaire Design Requirements

Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Nom)	103 °C

Product Data

Order product name	CDM145/U/O/4K/ED28 EA ALLSTART
EAN/UPC - Product	046677411077
Order code	411074
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601168302
Net Weight (Piece)	0.001 kg

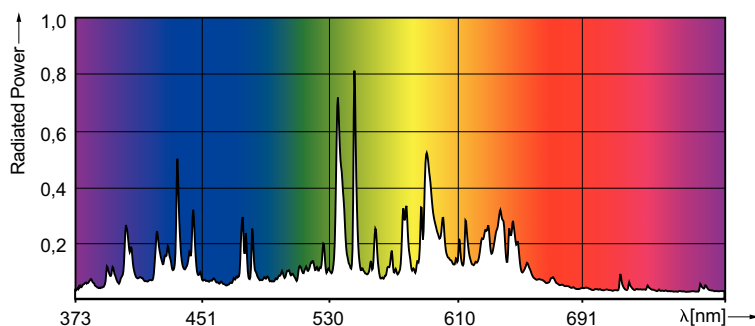
Dimensional drawing



CDMAllstar 145W/940 ED28 U EA AllStart

Product	D	D	L (min)	L (max)	L	C
CDM145/U/O/4K/ED28 EA ALLSTART	3.5 in	88.9 mm	125 mm	129 mm	127 mm	8.313 in

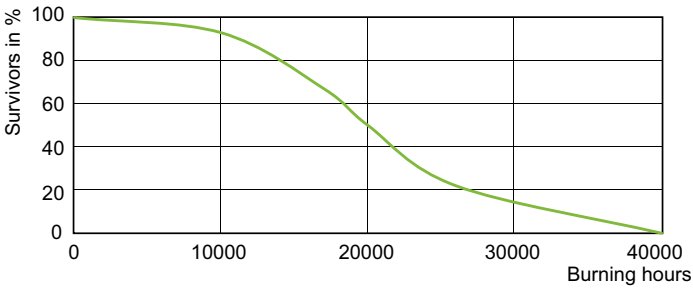
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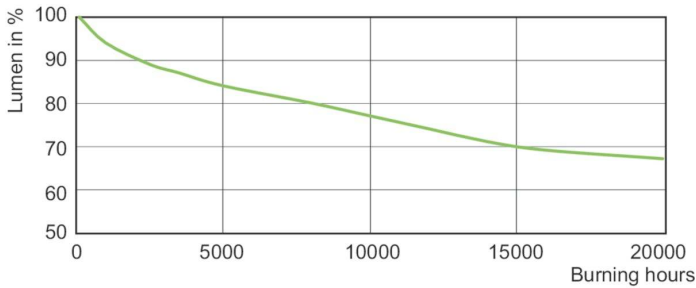
LDPO_D-CDM-AL_0001-Spectral power distribution Colour

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Lifetime



LDLE_D-CDM-AL_0001-Life expectancy diagram



LDLM_D-CDM-AL_0001-Lumen maintenance diagram

