

PHILIPS

HID
High Intensity
Discharge

ED17 145Watt CDM
Lamp with AllStart
Technology

Ideal for low-ceiling
industrial, retail and
distribution centers as well
as outdoor applications



ALLSTART[™]
TECHNOLOGY

Energy Saving **without** **changing a ballast!**

Philips Energy Advantage ED17 145W CDM Lamp with AllStart Technology. A high-efficiency enclosed E-rated CDM lighting solution that provides energy savings without compromising light quality.

Introducing AllStart Technology

- Direct retrofit lamp to both probe and pulse start magnetic 175W ballasts (not suitable for operation on electronic ballasts)
- A true universal operation that does not affect lamp life
- Use in enclosed fixtures only

Light quality

- Excellent color rendering of CRI >80
- Crisp white light
- >84 lumens per watt

Better for the environment

- Reduced maintenance and recycling costs
- Energy savings up to 17%*
- Long life = 20,000 hours Rated Average Life

* 145W CDM lamp with AllStart Technology compared to 175W metal halide lamp.

Philips Energy Advantage 145W ED17 CDM Lamp with AllStart Technology

Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Base	Bulb	Ordering Code	ANSI Code	Watts	Bulb Finish	LCL (in.)	MOL (in.)	Rated Avg. Life (HRs.) ¹	Approx. Initial Lumens ²	Approx. Mean Lumens ³	CRI	Color Temp (K)	Burn Position
41106-6	Med.	ED17	CDM145/U/M/4K/ED17 EA AllStart	C192/E*	145	Clear	3 7/16	5 7/16	20,000	13,200	10,670	>80	4300	Universal

1) Rated average life is the life obtained on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average.

2) Measured at 100 hours of life in a vertical operating position.

3) Approximate mean lumen output at 40% of lamp rated average life.

* 145W compatible with M57 and M137 probe start ballast. Also compatible with M152 pulse start ballast.

WARNINGS, CAUTIONS, AND OPERATING INSTRUCTIONS

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:21CFR 1040.30 Canada:SOR/DORS/80-381)

If the outer bulb is broken or punctured, turn off at once and replace the lamp to avoid possible injury from hazardous short wave ultraviolet radiation. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter. A partial vacuum in the outer bulb may cause glass to fly if the envelope is struck.

WARNING: The arc-tube of metal halide lamps are designed to operate under high pressure and at temperatures up to 1000°C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. If the arc-tube ruptures for any reason, the outer bulb may break and pieces of extremely hot glass might be discharged into the surrounding environment. If such a rupture were to happen, **THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.**

Certain lamps that will retain all the glass particles should inner arc-tube rupture occur are commercially available from Philips Lighting Company.

RELAMP FIXTURES AT OR BEFORE THE END OF RATED

LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

This lamp contains an arc tube with a filling gas containing less than 65 nCi Kr-85 and is distributed by Philips Lighting Company, a division of Philips Electronics North America Corporation, Somerset, New Jersey, 08873.

CAUTION: TO REDUCE THE RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE RESULTING FROM AN ARC-TUBE RUPTURE THE FOLLOWING LAMP OPERATING INSTRUCTIONS MUST BE FOLLOWED:

LAMP OPERATING INSTRUCTIONS:

- RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.
- Before lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards.
- Use only auxiliary equipment meeting Philips and/or ANSI standards. Use within voltage limits recommended by ballast manufacturer.
 - Operate lamp only within specified limits of operation.
 - For total supply load refer to ballast manufacturers electrical data.
 - These lamps can be used in both probe start and pulse start magnetic ballast. Reference the technical data sheet for proper ANSI ballast code compatibility. Do not operate lamps on electronic ballasts.

D. All pulse start mogul based lamps require a socket rated to withstand a 4000 volt pulse.

- Periodically inspect the outer envelope. Replace any lamps that show scratches, cracks or damage
- If a lamp bulb support is used, be sure to insulate the support electrically to avoid possible decomposition of the bulb glass.
- Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.
- Time should be allowed for lamps to stabilize in color when turned on for the first time. This may require several hours of operation, with more than one start. Lamp color is also subject to change under conditions of excess vibration or shock, and color appearance may vary between individual lamps.
- Lamps may require 10 to 15 minutes to re-light if there is a power interruption. Less than 10 minutes on pulse start ballasts.
- Take care in handling and disposing of lamps. If an arc tube is broken, avoid skin contact with any of the contents or fragments.
- Use only in an enclosed fixture capable of withstanding particles of glass having temperatures up to 1000 °C.

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