



MasterColor CDM ED17 Protected

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Direct retrofit with immediate energy savings!. Range of protected, high-efficiency long life ceramic metal halide lamps with a stable color over lifetime and a crisp, sparkling light to be used in open fixtures.

Benefits

- Environmentally ResponsibleTCLP* CompliantALTO® LampTechnology.
- High lamp efficacy (up to 95 LPW)
- Energy-efficient alternative to incandescent/halogen.
- * The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure.

Features

- Excellent Color Rendering.
- Superior Color Stability Over Life.
- Total Cost of Ownership Benefits.
- FadeBlock–Lamps feature integrated UV blocking medium for reduced fading of fabrics and paintings.
- Available in 50,70,100, and 150 watt with 3000& 4000K color temperatures.

Application

- Ideal for general lighting, downlighting, and flood lighting.

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)

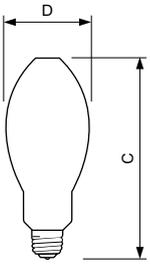
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Versions



150 W Single Contact Medium
Screw ED-17P Protected Clear CCT
of 3000K

Dimensional drawing



Product	D	C (max)
MHC150/U/MP/3K ALTO 12PK	2.125 in	5.438 in
MHC150/U/MP/4K ALTO 12PK	2.125 in	5.438 in
MHC50/U/MP/3K ELITE	2.125 in	5.438 in
MHC70/U/MP/3K ELITE	2.125 in	5.438 in
MHC100/U/MP/3K ELITE	2.125 in	5.438 in

Product details



E26, ED-17P, CL, Elite,
50W-100W /930

General information

Cap-Base	E26
Operating Position	Universal

Luminaire design requirements

Bulb Temperature (Max)	400 °C
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Mechanical and housing

Bulb Finish	Clear
Bulb Material	Hard Glass
Bulb Shape	ED17P

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Approval and application

Order Code	Full Product Name	Mercury (Hg)		
		Mercury (Hg) Content (Max)	Content (Nom)	Picogram Per Lumen Hour
134635	MHC150/U/MP/3K ALTO 12PK	14.85 mg	-	98.3 pg/lm.h
377242	MHC150/U/MP/4K ALTO 12PK	-	12.3 mg	63.3 pg/lm.h

Order Code	Full Product Name	Mercury (Hg)		
		Mercury (Hg) Content (Max)	Content (Nom)	Picogram Per Lumen Hour
423681	MHC50/U/MP/3K ELITE	6.6 mg	-	103.9 pg/lm.h
423707	MHC70/U/MP/3K ELITE	8 mg	-	88.6 pg/lm.h
423673	MHC100/U/MP/3K ELITE	10.1 mg	-	72.4 pg/lm.h

Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Nom)	Re-Ignition Time (Min) (Max)
134635	MHC150/U/MP/3K ALTO 12PK	1.8 A	105 V	85 V	95 V	-	12 min
377242	MHC150/U/MP/4K ALTO 12PK	1.8 A	105 V	85 V	95 V	-	12 min
423681	MHC50/U/MP/3K ELITE	0.59 A	110 V	87 V	95 V	50.2 W	8 min
423707	MHC70/U/MP/3K ELITE	0.92 A	120 V	92 V	100 V	70.4 W	8 min
423673	MHC100/U/MP/3K ELITE	1.1 A	115 V	87 V	101 V	-	10 min

General information

Order Code	Full Product Name	Life To 50% Failures (Min)	Life To 50% Failures (Nom)	Main Application
		134635	MHC150/U/MP/3K ALTO 12PK	
377242	MHC150/U/MP/4K ALTO 12PK	20000 h	-	General Lighting (G)
423681	MHC50/U/MP/3K ELITE	-	16000 h	General Lighting (G)

Order Code	Full Product Name	Life To 50% Failures (Min)	Life To 50% Failures (Nom)	Main Application
		423707	MHC70/U/MP/3K ELITE	
423673	MHC100/U/MP/3K ELITE	-	16000 h	General and Street Lighting

Light technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X		Chromaticity Coordinate Y		Chromaticity Coordinate Y		Color Code
		(Max)	(Min)	(Nom)	(Max)	(Min)	(Nom)	
134635	MHC150/U/MP/3K ALTO 12PK	0.443	0.425	0.434	0.398	0.386	0.392	830
377242	MHC150/U/MP/4K ALTO 12PK	0.387	0.369	0.378	0.372	0.360	0.366	940
423681	MHC50/U/MP/3K ELITE	0.444	0.426	0.435	0.399	0.387	0.393	930
423707	MHC70/U/MP/3K ELITE	0.379	0.361	0.370	0.368	0.356	0.362	930
423673	MHC100/U/MP/3K ELITE	0.443	0.425	0.434	0.407	0.395	0.401	930

Light technical (2/3)

Order Code	Full Product Name	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Min)	Color Rendering Index (Nom)	Lumen Maintenance - 10% Life	Lumen Maintenance - 40% Life	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens
			134635	MHC150/U/MP/3K ALTO 12PK	Warm White (WW)	3000 K	80	83	85 %	70 %
377242	MHC150/U/MP/4K ALTO 12PK	Deluxe Cool White	4000 K	87	90	87 %	75 %	73 lm/W	80 lm/W	9000 lm

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Order Code	Full Product Name	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Min)	Color Rendering Index (Nom)	Lumen Maintenance - 10% Life	Lumen Maintenance - 40% Life	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens
423681	MHC50/U/MP/3K ELITE	Warm White (WW)	3000 K	87	90	95 %	90 %	88 lm/W	96 lm/W	4300 lm
423707	MHC70/U/MP/3K ELITE	Warm White (WW)	2900 K	87	90	95 %	90 %	87 lm/W	95 lm/W	6400 lm
423673	MHC100/U/MP/3K ELITE	Warm White (WW)	3000 K	87	90	95 %	90 %	94 lm/W	100 lm/W	9500 lm

Light technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
134635	MHC150/U/MP/3K ALTO 12PK	11600 lm	12900 lm
377242	MHC150/U/MP/4K ALTO 12PK	11000 lm	12000 lm
423681	MHC50/U/MP/3K ELITE	4400 lm	4800 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
423707	MHC70/U/MP/3K ELITE	6100 lm	6700 lm
423673	MHC100/U/MP/3K ELITE	9000 lm	10000 lm

