



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

Features

Application

Warnings and Safety

Versions



E26, ED-17P, CL, Alto & Fadeblock



E26, ED-17P, CL, Elite, 50W /940



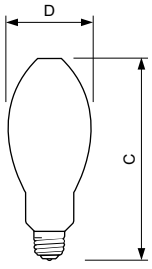
E26, ED-17P, CL, Elite, 50W-100W /930



E26 ED17, ED-17P Coated

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Dimensional drawing



Product	D	C (max)
MHC100/C/U/MP/3K ELITE	2.125 in	5.438 in
MHC100/U/MP/3K ELITE	2.125 in	5.438 in
MHC70/C/U/MP/3K ELITE	2.125 in	5.438 in
MHC70/U/MP/3K ELITE	2.125 in	5.438 in
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

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
Mechanical and Housing	
Bulb Material	Hard Glass
Bulb Shape	ED-17P

Approval and Application

Order Code	Full Product Name	Mercury		
		Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
928601171501	MHC150/U/MP/3K ALTO 12PK	14.85 mg	-	98.3 pg/lm.h
928601171701	MHC150/U/MP/4K ALTO 12PK	-	12.3 mg	63.3 pg/lm.h
928601173701	MHC50/U/MP/3K ELITE	6.6 mg	-	103.9 pg/lm.h
928601173801	MHC70/U/MP/3K ELITE	8 mg	-	88.6 pg/lm.h

Order Code	Full Product Name	Mercury		
		Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
928601174001	MHC100/U/MP/3K ELITE	10.1 mg	-	72.4 pg/lm.h
928601173901	MHC70/C/U/MP/3K ELITE	7.6 mg	-	88.6 pg/lm.h
928601174101	MHC100/C/U/MP/3K ELITE	10.1 mg	-	79 pg/lm.h

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Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Re-Ignition Time (Min) (Max)
928601171501	MHC150/U/MP/3K ALTO 12PK	1.8 A	105 V	85 V	95 V	12 min
928601171701	MHC150/U/MP/4K ALTO 12PK	1.8 A	105 V	85 V	95 V	12 min
928601173701	MHC50/U/MP/3K ELITE	0.59 A	110 V	87 V	95 V	8 min
928601173801	MHC70/U/MP/3K ELITE	0.92 A	120 V	92 V	100 V	8 min
928601174001	MHC100/U/MP/3K ELITE	1.1 A	115 V	87 V	101 V	10 min
928601173901	MHC70/C/U/MP/3K ELITE	0.92 A	120 V	92 V	100 V	8 min
928601174101	MHC100/C/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%	Life To 50%	Main Application	Order Code	Full Product Name	Life To 50%	Life To 50%	Main Application
		Failures (Min)	Failures (Nom)				Failures (Min)	Failures (Nom)	
928601171501	MHC150/U/MP/3K ALTO 12PK	-	16000 h	General Lighting (G)	928601174001	MHC100/U/MP/3K ELITE	-	16000 h	General and Street Lighting
928601171701	MHC150/U/MP/4K ALTO 12PK	20000 h	-	General Lighting (G)	928601173901	MHC70/C/U/MP/3K ELITE	-	16000 h	General and Street Lighting
928601173701	MHC50/U/MP/3K ELITE	-	16000 h	General Lighting (G)	928601174101	MHC100/C/U/MP/3K ELITE	-	16000 h	General and Street Lighting
928601173801	MHC70/U/MP/3K ELITE	-	16000 h	General and Street Lighting					

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Chromaticity	Chromaticity	Chromaticity	Chromaticity	Color Code
		Coordinate X (Max)	Coordinate X (Min)	Coordinate X (Nom)	Coordinate Y (Max)	Coordinate Y (Min)	Coordinate Y (Nom)	
928601171501	MHC150/U/MP/3K ALTO 12PK	0.443	0.425	0.434	0.398	0.386	0.392	830
928601171701	MHC150/U/MP/4K ALTO 12PK	0.387	0.369	0.378	0.372	0.360	0.366	940
928601173701	MHC50/U/MP/3K ELITE	0.444	0.426	0.435	0.399	0.387	0.393	930
928601173801	MHC70/U/MP/3K ELITE	0.379	0.361	0.370	0.368	0.356	0.362	930
928601174001	MHC100/U/MP/3K ELITE	0.443	0.425	0.434	0.407	0.395	0.401	930
928601173901	MHC70/C/U/MP/3K ELITE	0.454	0.436	0.445	0.403	0.391	0.397	930
928601174101	MHC100/C/U/MP/3K ELITE	0.447	0.429	0.438	0.409	0.397	0.403	930

Light Technical (2/3)

Order Code	Full Product Name	Color Designation	Correlated Color	Color	Color	Lumen	Lumen	Luminous	Luminous	Design
			Temperature (Nom)	Rendering Index (Min)	Rendering Index (Nom)	Maintenance - 10% Life	Maintenance - 40% Life	Efficacy (rated) (Min)	Efficacy (rated) (Nom)	Mean Lumens
928601171501	MHC150/U/MP/3K ALTO 12PK	Warm White (WW)	3000 K	80	83	85 %	70 %	77.4 lm/W	86 lm/W	9030 lm
928601171701	MHC150/U/MP/4K ALTO 12PK	Deluxe Cool White	4000 K	87	90	87 %	75 %	73 lm/W	80 lm/W	9000 lm
928601173701	MHC50/U/MP/3K ELITE	Warm White (WW)	3000 K	87	90	95 %	90 %	88 lm/W	96 lm/W	4300 lm
928601173801	MHC70/U/MP/3K ELITE	Warm White (WW)	2900 K	87	90	95 %	90 %	87 lm/W	95 lm/W	6400 lm
928601174001	MHC100/U/MP/3K ELITE	Warm White (WW)	3000 K	87	90	95 %	90 %	94 lm/W	100 lm/W	9500 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
928601173901	MHC70/C/U/MP/3K ELITE	Warm White (WW)	2900 K	87	90	95 %	90 %	78 lm/W	87 lm/W	5800 lm
928601174101	MHC100/C/U/MP/3K ELITE	Warm White (WW)	3000 K	87	90	95 %	90 %	86 lm/W	92 lm/W	8700 lm

Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928601171501	MHC150/U/MP/3K ALTO 12PK	11600 lm	12900 lm
928601171701	MHC150/U/MP/4K ALTO 12PK	11000 lm	12000 lm
928601173701	MHC50/U/MP/3K ELITE	4400 lm	4800 lm
928601173801	MHC70/U/MP/3K ELITE	6100 lm	6700 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928601174001	MHC100/U/MP/3K ELITE	9000 lm	10000 lm
928601173901	MHC70/C/U/MP/3K ELITE	5500 lm	6100 lm
928601174101	MHC100/C/U/MP/3K ELITE	8300 lm	9200 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
928601171501	MHC150/U/MP/3K ALTO 12PK	Clear
928601171701	MHC150/U/MP/4K ALTO 12PK	Clear
928601173701	MHC50/U/MP/3K ELITE	Clear
928601173801	MHC70/U/MP/3K ELITE	Clear

Order Code	Full Product Name	Bulb Finish
928601174001	MHC100/U/MP/3K ELITE	Clear
928601173901	MHC70/C/U/MP/3K ELITE	Coated glass
928601174101	MHC100/C/U/MP/3K ELITE	Coated glass

