

STREETWORKS™

DESCRIPTION

McGraw-Edison's CML combines classic form and versatility to make it an excellent choice for architects, specifiers and contractors in today's energy- and design-conscious environment. The CML is offered in a variety of mounting options, optical distributions and lamp wattages to provide maximum flexibility in application.

The CML achieves superior light distribution by utilizing a seamless reflector system, making it the optimum choice for almost any small, medium or large area lighting application.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

HOUSING: Formed aluminum housing has interior-welded seams for structural integrity and is finished in premium TGIC polyester powder coat paint. U.L. listed and CSA certified for wet locations.
DOOR: Formed aluminum door has heavy-duty hinges, captive retaining screws and is finished in premium TGIC polyester powder coat paint. **GASKET:** Standard one-piece extruded EPDM gasket ensures a bug proof installation and is backed by IP55 rating.

Electrical

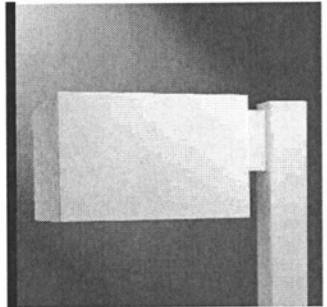
BALLASTTRAY: Ballast tray is securely mounted and inter-locked to housing interior for cooler operation. Tray features toolless removal capability for ease of maintenance and replacement.
BALLAST: Long-life core and coil ballast. **GASKET:** Standard one-piece extruded EPDM gasket ensures a bug proof installation and is backed by IP55 rating.

Optical

REFLECTOR: Standard rotatable and interchangeable optics allow for an easy field retrofit with respective sag and flat glass doors for areas with restrictive lighting ordinances such as "Dark Sky".
LENS: Convex tempered glass lens or flat glass.

Finish

Housing and arm finished in premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, and graphite metallic.



CML SQUARE

250 - 1000W

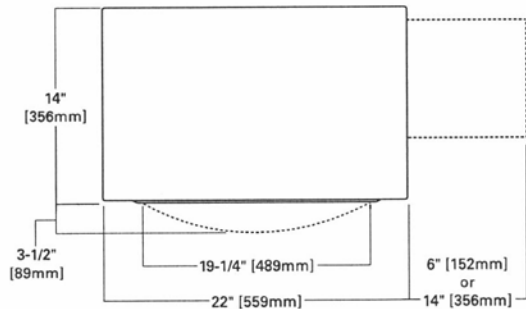
Pulse Start Metal Halide
 High Pressure Sodium
 Metal Halide

ARCHITECTURAL
 AREA LUMINAIRE



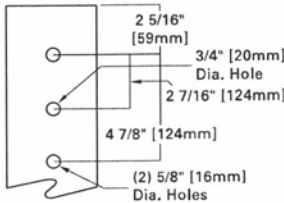
NOTE: In all flat glass configurations only.

DIMENSIONS



DRILLING PATTERNS

TYPE "M"



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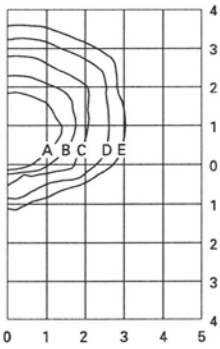
Rapid City Community Planning
 & Development Services

EPA
 Effective Projected Area:
 3.1

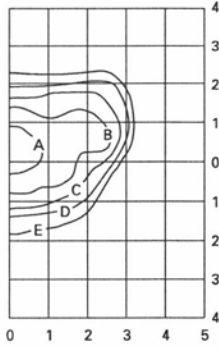
SHIPPING DATA
 Approximate Net Weight:
 79 lbs. (36 kgs.)



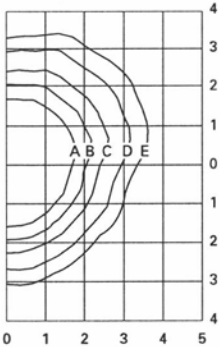
PHOTOMETRICS (Complete IES files available at www.cooperlighting.com)



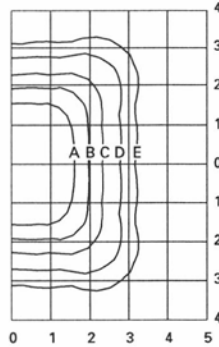
CML40MSLF.IES
400-Watt MH
36,000-Lumen Clear Lamp
SLE—Spill Light Eliminator Flat Glass



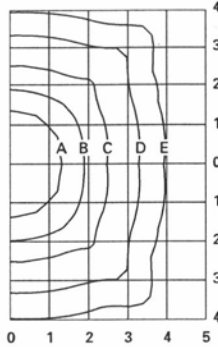
CML40S3FF.IES
400-Watt HPS
50,000-Lumen Clear Lamp
Type III Flat Glass



CML91M3VF.IES
1000-Watt MH
110,000-Lumen Clear Lamp
Type III Vertical Flat Glass



CML91MASF.IES
1000-Watt MH
110,000-Lumen Clear Lamp
Area Square Flat Glass



CML91MASS.IES
1000-Watt MH
110,000-Lumen Clear Lamp
Area Square Flat Glass

FOOTCANDLE TABLE

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
CML40MSLF.IES					
30'	2.00	1.00	0.50	0.20	0.10
35'	1.46	0.73	0.37	0.15	0.07
40'	1.12	0.56	0.28	0.11	0.06

CML40S3FF.IES

30'	2.00	1.00	0.50	0.25	0.10
35'	1.46	0.73	0.37	0.18	0.07
40'	1.12	0.56	0.28	0.14	0.06

FOOTCANDLE TABLE

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
CML91M3VF.IES / CML91MASF.IES / CML91MASS.IES					
30'	3.50	2.00	1.00	0.50	0.20
35'	2.60	0.73	0.37	0.18	0.07
40'	2.00	1.00	0.50	0.20	0.10

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NOTE: Specifications and dimensions subject to change without notice.
Visit our web site at www.cooperlighting.com

Customer First Center 1121 Highway 74 South Peachtree City, GA 30269 770.486.4800 FAX 770.486.4801

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ORDERING INFORMATION

SAMPLE NUMBER: CML40MN3VSGBKL

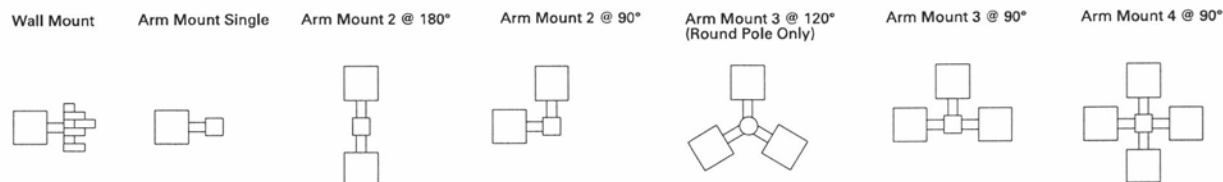
PRODUCT FAMILY	LAMP WATTAGE ²	LAMP TYPE	VOLTAGE *	DISTRIBUTION	LENS TYPE	COLOR	OPTIONS + ACCESSORIES
CML=CML Square	25=250W 40=400W 75=750W ³ 91=1000W ⁴	M=Metal Halide P=Pulse Start Metal Halide S=High Pressure Sodium	2=120V 0=208V 4=240V 7=277V 8=480V 9=347V W=Multi-Tap wired 120V N=Multi-Tap wired 277V V=Multi-Tap wired 240V	1F=Type I MCO (Horizontal) 2F=Type II MCO (Horizontal) 2S=Type II Segmented (Horizontal) * 3F=Type III MCO (Horizontal) 3S=Type III Segmented (Horizontal) * 4S=Type IV Segmented (Horizontal) * 5S=Type V Segmented (Horizontal) * FT=Forward Throw (Horizontal) AR=Area Round (Vertical) AS=Area Square (Vertical) 3V=Type III (Vertical) RW=Rectangular Wide (Vertical) † SL=Spill Light Eliminator (Horizontal) *	FG=Flat Glass SG=Sag Glass	(add as suffix/ must specify) AP=Grey BK=Black BZ=Bronze DP=Dark Platinum GM=Graphite Metallic WH=White	(See Below)

OPTIONS + ACCESSORIES [Must be ordered in alphanumeric order]

OPTIONS (add as suffix)	ACCESSORIES (order separately, replace XX with color suffix)	MA1014-XX=2 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
1=Single Fuse (120, 277, or 347V)	OA1016=NEMA Photocontrol—Multi-Tap	MA1015-XX=2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon
2=Double Fuse (208, 240 or 480V)	OA1027=NEMA Photocontrol—480V	MA1016-XX=3 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
4=NEMA Photocontrol Receptacle	OA1201=NEMA Photoelectric Control—347V	MA1017-XX=Single-arm Tenon Adapter for 2 3/8" O.D. Tenon
AIR=Arm Included for Round Pole *	MA1004-XX=14" Arm for Square Pole †	MA1018-XX=2 @ 180° Tenon Adapter for 2 3/8" O.D. Tenon
AIS=Arm Included for Square Pole *	MA1005-XX=6" Arm for Square Pole	MA1019-XX=3 @ 120° Tenon Adapter for 2 3/8" O.D. Tenon
B=House-side Shield †	MA1006-XX=Direct Mount Kit for Square Pole	MA1029-XX=Wall Mount Bracket with 10" Arm (Specify color)
EHS=External House-side Shield	MA1007-XX=14" Arm for Round Pole †	MA1045-XX=4 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
EM=Quartz Restrike with Delay (Also Strikes at Cold Start)	MA1008-XX=6" Arm for Round Pole	MA1048-XX=2 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
L=Lamp Included	MA1009-XX=Direct Mount Kit for Round Pole	MA1049-XX=3 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
Q=Quartz Restrike (Hot Restrike Only)	MA1010-XX=Single-arm Tenon Adapter for 3 1/2" O.D. Tenon	EHS-XX=External House-side Shield
VS=Vandal Shield (Arm Mount Only, 400W Maximum)	MA1011-XX=2 @ 180° Tenon Adapter for 3 1/2" O.D. Tenon	
	MA1012-XX=3 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon	
	MA1013-XX=4 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon	

NOTES: 1 Arm not included. See options and accessories. 2 Mogul-base lamp socket. 3 750W Pulse Start for vertical mount only. 4 Requires reduced envelope BT-37 lamp on Metal Halide or ED-37 on High Pressure Sodium. 5 Standard with CWA ballast. 6 Maximum wattage on segmented optical distributions is 400W. 400W Metal Halide lamp must use reduced envelope ED-28 lamp. 7 RW optic not available with flat glass. 8 Must use reduced envelope lamp. Not available in 1000W High Pressure Sodium. 9 Provided with 11 1/2" arm. 10 House-side shields available on 2F, 3F, FT, 3V (flat glass), 2S, 3S, 4S distributions only, and all vertically lamped optics when specified with sag lens. 12 Provided when mounting fixtures at 90° increments (Arm EPA 0.62). 13 Specifications and dimensions subject to change without notice.

MOUNTING CONFIGURATIONS



E.P.A. TABLE	DRILL PATTERN	SINGLE [W/ARM WHERE APPLICABLE]					
		2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°	
CML	"M"	3.1	6.2	7.2	9.8	9.8	11.1

NOTE: 1 Assumes 14" arm for 90° and 120° mounting configurations, 6" for all else.

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