

CML SQUARE

ARCHITECTURAL AREA LUMINAIRE

250-1000W
MH/HPS

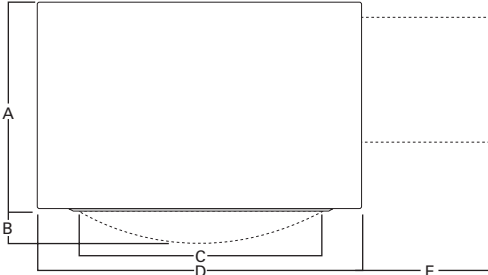


STREETWORKS™

IP55 RATED



NOTE: In all flat glass configurations only.



Fixture	A	B	C	D	E
CML (in.)	14	3 1/2	19 1/4	22	6 or 14
(mm)	356	89	489	559	152 or 356

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. IP55 rated.

BALLAST TRAY

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.

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".

DOOR

Formed aluminum door has heavy-duty hinges, captive retaining screws and is finished in premium TGIC polyester powder coat paint.

LENS

Convex tempered glass lens or flat glass.

GASKET

Standard one-piece extruded EPDM gasket ensures a bug proof installation and is backed by IP55 rating.

ORDERING INFORMATION

SAMPLE NUMBER: CML40MN3VSGBKL

PRODUCT FAMILY ¹	LAMP WATTAGE ²	LAMP TYPE	VOLTAGE ⁵	DISTRIBUTION	LENS TYPE	COLORS	OPTIONS + ACCESSORIES
CML=CML	25=250W	M=Metal Halide	2=120V	1F=Type I MCO (Horizontal)	FG=Flat Glass	(add as suffix/ must specify) ⁹	(See Below)
Square	40=400W	S=High Pressure Sodium	0=208V	2F=Type II MCO (Horizontal)	SG=Sag Glass	WH=White	
	75=750W ³		4=240V	2S=Type II Segmented (Horizontal) ⁶		BK=Black	
	91=1000W ⁴		7=277V	3F=Type III MCO (Horizontal)		AP=Grey	
			8=480V	3S=Type III Segmented (Horizontal) ⁶		BZ=Bronze	
			9=347V	4S=Type IV Segmented (Horizontal) ⁶		DP=Dark Platinum	
			W=Multi-Tap wired 120V	5S=Type V Segmented (Horizontal) ⁶		GM=Graphite Metallic	
			N=Multi-Tap wired 277V	FT=Forward Throw (Horizontal)			
			V=Multi-Tap wired 240V	AR=Area Round (Vertical)			
				AS=Area Square (Vertical)			
				3V=Type III (Vertical)			
				RW=Rectangular Wide (Vertical) ⁷			
				SL=Spill Light Eliminator (Horizontal) ⁸			

OPTIONS + ACCESSORIES [Must be listed in the order shown and separated by a dash]

OPTIONS (add as suffix) 1=Single Fuse (120, 277, or 347V) 2=Double Fuse(208, 240, or 480V) EM=Quartz Restrike with Delay (Also Strikes at Cold Start) 4=NEMA Twistlock Photocontrol Receptacle Q=Quartz Restrike (Hot Restrike Only) HS=House Side Shield ¹⁰ EHS=External House Side Shield AIR=Arm Included for Round Pole ¹¹ AIS=Arm Included for Square Pole ¹¹ VS=Vandal Shield (Arm Mount Only, 400W Maximum) L=Lamp Included	ACCESSORIES (order separately. add color as suffix) MA1004-XX=14" Arm for Square Pole ¹² MA1005-XX=6" Arm for Square Pole MA1006-XX=Direct Mount Kit for Square Pole MA1007-XX=14" Arm for Round Pole ¹² MA1008-XX=6" Arm for Round Pole MA1009-XX=Direct Mount Kit for Round Pole MA1010-XX=Single-arm Tenon Adapter for 3 1/2" O.D. Tenon 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 MA1014-XX=2 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon MA1015-XX=2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon MA1016-XX=3 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon	MA1017-XX =Single-arm Tenon Adapter for 2 3/8" O.D. Tenon MA1018-XX =2 @ 180° Tenon Adapter for 2 3/8" O.D. Tenon MA1019-XX =3 @ 120° Tenon Adapter for 2 3/8" O.D. Tenon MA1029-XX =Wall Mount Bracket with 10" Arm (Specify color) MA1045-XX =4 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon MA1048-XX =2 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon MA1049-XX =3 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon EHS-XX =External House Side Shield OA1016 =Photocontrol–Multi-Tap OA1027 =Photocontrol–480V OA1201 =Photoelectric Control, 347V NEMA Type
---	--	--

OPTIONAL COLORS [Other finish colors available. Consult your Cooper Lighting representative]

					
WH White	BK Black	AP Grey	BZ Bronze	DP Dark Platinum	GM Graphite Metallic

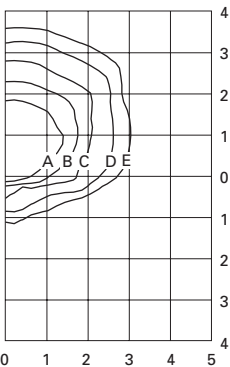
SHIPPING DATA

Approximate Net Weight:

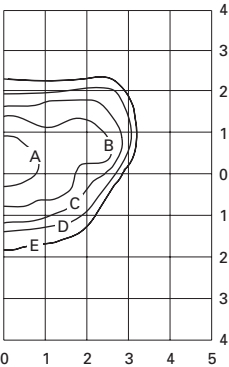
79 lbs. (36 kgs.)

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 HPS. 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 HPS. 9 Other finish colors available, including a full line of RAL color matches. Consult your Cooper Lighting Representative. 10 House side shields available on 2F, 3F, FT, 2S, 3S, 4S distributions only, and all vertically lamped optics when specified with sag lens. 11 Provided with 11 1/2" arm. 12 Required when mounting fixtures at 90° increments (Arm EPA 0.62).

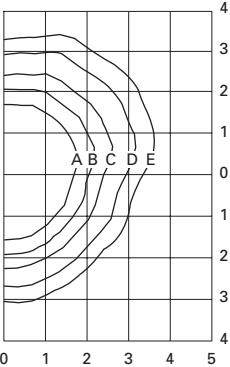
PHOTOMETRICS [Complete IES files available at www.cooperlighting.com]



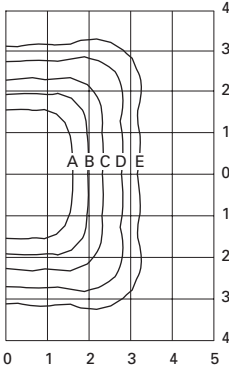
CML40MSLF.IES
400-Watt MH
36,000-Lumen Clear Lamp
SLE—Spill Light Eliminator Flat Glass



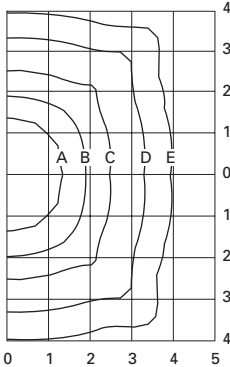
CML40S3FF.IES
400-Watt HPS
50,000-Lumen Clear Lamp
Type III Flat Glass



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

MOUNTING CONFIGURATIONS

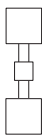
Wall Mount



Arm Mount Single



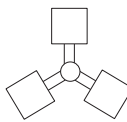
Arm Mount 2 @ 180°



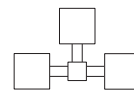
Arm Mount 2 @ 90°



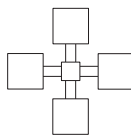
Arm Mount 3 @ 120°
(Round Pole Only)



Arm Mount 3 @ 90°



Arm Mount 4 @ 90°



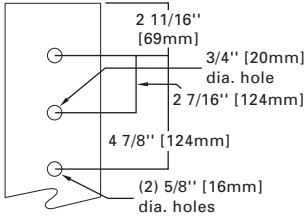
E.P.A. TABLE

CML	DRILL PATTERN	SINGLE [W/ARM WHERE APPLICABLE]	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
	"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.

DRILLING PATTERN

TYPE "M"



DARK SKY COMPLIANT [FULL CUTOFF PERFORMANCE]

SLE "SPILL LIGHT ELIMINATOR"

