



# SURFACE MOUNT MDC320

CENTER LENSED LUMINAIRE



JOB	
TYPE	
DATE	

## Commercial / Office / Classroom

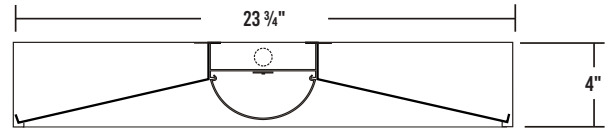


2' x 4'

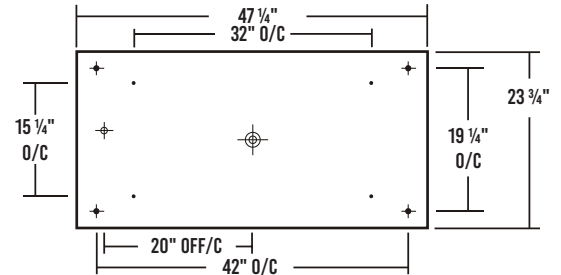


2' x 2'

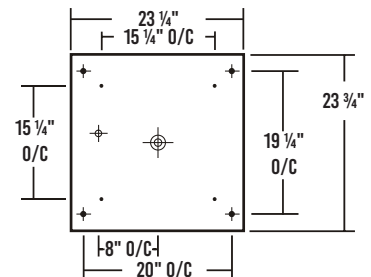
### CROSS SECTION



### 2' x 4' BACKPLATE



### 2' x 2' BACKPLATE



- 3/8" KO
- 11/16" Stem Mounting KO
- 7/8" Offset KO
- 2" KO

## SPECIFICATIONS

### Construction

- 20 gauge cold-rolled steel housing
- Cold-rolled steel reflectors

### Finish

- Painted after fabrication
- Baked white powder-coated finish
- Minimum reflectance 90%
- Reflectors: high reflectance, low gloss, matte white finish

### Optical

- Frosted radial lens to maximize lumen output while cutting glare

### Electrical

- High-efficiency drivers coupled with long-life LEDs
- Service life tested at 148,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF)  $\geq 0.9$
- Total Harmonic Distortion (THD)  $\leq 20\%$

### Listing

- UL USA and Canada listed / suitable for damp locations

### Warranty

- 5-Year limited warranty standard. 10-Year limited warranty also available

## APPLICATIONS

- Commercial, Office, Classroom

## FEATURES

- 0 -10V Dimming driver standard
- Surface or suspension/stem mountable
- Supports California Title 24 compliance

## OPTIONS

- Additional lumen packages and color temperatures
- Sensors and controls, including wireless options
- Custom colors
- Emergency battery pack
- Tunable white (2700K-6500K)
- Full customization available upon request



**Los Angeles Lighting Mfg. Co.**  
Contact Us  
T: 626-454-8300 10141 Olney Street  
F: 626-454-8399 El Monte, CA 91731  
www.lalighting.com Made in the USA



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.

© 2024 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED

Revised: 07/09/24




ORDERING INFORMATION: Additional Options Available. Visit [www.lalighting.com/resources](http://www.lalighting.com/resources) for more information

EXAMPLE: MDC320-4-4L-BPL1.5-DRDM-UNV-1/840								
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	COLOR	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
MDC320					DRDM	UNV	1	
MDC320 • Center Lensed LED Luminaire	2 - 2000 lm 3 - 3000 lm 4 - 4000 lm 6 - 6000 lm  High Efficacy 2HE - 2000 lm 3HE - 3000 lm	2L • 2' x 2'	(Blank) • Standard White Housing  BLK • Black Housing  BZ • Bronze Housing  Custom colors available. Contact Customer Service.	BPL1.5 • 1500 lm emergency battery pack  WLC(XXXXX) • Wireless Control  *Leave blank if not specified	DRDM • 0-10V Dimming Driver	UNV • 120V-277V	1 • One LED Row	827 • 80+CRI / 2700K  830 • 80+CRI / 3000K  835 • 80+CRI / 3500K  840 • 80+CRI / 4000K  850 • 80+CRI / 5000K  865 • 80+CRI / 6500K  8TW • 80+CRI Tunable White 2700K-6500K  90CRI Also available
	4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 10 - 10000 lm  High Efficacy 4HE - 4000 lm 6HE - 6000 lm	4L • 2' x 4'						Contact customer service for additional CRI/CCT packages.
Standard options for MDC320 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit <a href="http://www.lalighting.com/resources">www.lalighting.com/resources</a> or contact customer service.								

MOUNTING ACCESSORIES

CANOPY / CABLE SUSPENSION SYSTEM

• Self-locking, one-step adjustable suspension device with canopy



**433B**

- Canopy with cable
- No power cord
- Cable length 48" and 96"
- Max. Weight 196 lbs.


**433B-48 W**

**COLOR**

W - White  
B - Black

**CABLE LENGTH**

48 - 48 inches  
96 - 96 inches  
(other lengths as specified)



**444F**

- Feed-in canopy with straight cord
- Includes power cord
- Cable length 48" and 96"
- Max. Weight 196 lbs

**444F-48W-2C**

**# OF CIRCUITS**

2C - Two circuits  
LV - 0-10V dimming  
Blank - One circuit

**COLOR**

W - White  
B - Black

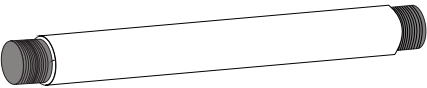
**CABLE LENGTH**

48 - 48 inches  
96 - 96 inches  
(other lengths as specified)

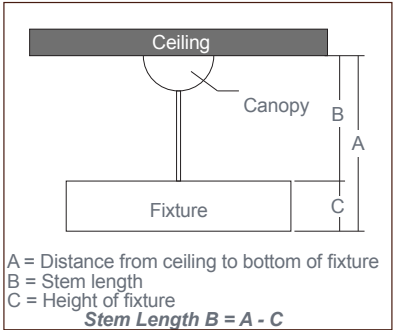
STEM (Specify Length)

- 3/8" IPS, nominal OD 5/8"
- Threaded 1" each end
- 2 lock nuts provided per stem
- Standard lengths: 6", 12", 18", 24", 30", 36", 48"
- Baked white enamel finish

Other lengths & finishes are available as specified



Stem Length Calculation



Los Angeles Lighting Mfg. Co.  
Contact Us  
T: 626-454-8300  
F: 626-454-8399  
[www.lalighting.com](http://www.lalighting.com)  
10141 Olney Street  
El Monte, CA 91731  
Made in the USA



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice.  
Please visit our website to view the most current information.  
© 2024 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED  
Revised: 07/09/24



SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

Normal Ambient Temperature

2' x 2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	MDC320-2-2L-DRDM-UNV-1/840	1834	14.1	129.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F24T5HO, 2-F17T8	<a href="#">LA-T3722-2</a>
3000 Lumens (Nominal)	MDC320-3-2L-DRDM-UNV-1/840	2809	22.1	127.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*
4000 Lumens (Nominal)	MDC320-4-2L-DRDM-UNV-1/840	3717	27.3	136.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F24T5HO, 4-F17T8	<a href="#">LA-T3721-2</a>
6000 Lumens (Nominal)	MDC320-6-2L-DRDM-UNV-1/840	5402	39.4	137.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F24T5HO, 6-F17T8	*

Normal Ambient Temp High Efficacy

2' x 2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	MDC320-2HE-2L-DRDM-UNV-1/840	1796	12.4	145.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F24T5HO, 2-F17T8	*
3000 Lumens (Nominal)	MDC320-3HE-2L-DRDM-UNV-1/840	2713	18.7	145.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*

Normal Ambient Temperature

2' x 4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	MDC320-4-4L-DRDM-UNV-1/840	3695	26.7	138.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	<a href="#">LA-T3686-2</a>
6000 Lumens (Nominal)	MDC320-6-4L-DRDM-UNV-1/840	5754	43.7	131.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	<a href="#">LA-T3685-2</a>
8000 Lumens (Nominal)	MDC320-8-4L-DRDM-UNV-1/840	7428	51.1	145.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F54T5HO, 4-F32T8	<a href="#">LA-T3734-2</a>
10000 Lumens (Nominal)	MDC320-10-4L-DRDM-UNV-1/840	9162	61.5	149.0 lm/W	-20°C / 35°C (-4°F / 95°F)	5-F32T8	*

Normal Ambient Temp High Efficacy

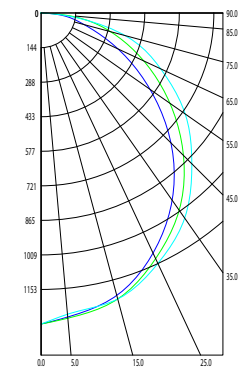
2' x 4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	MDC320-4HE-4L-DRDM-UNV-1/840	3617	23.5	154.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
6000 Lumens (Nominal)	MDC320-6HE-4L-DRDM-UNV-1/840	5465	36.4	150.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*

NOTE:  
System data as of 05/02/23.  
Subject to change without notice.

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application. This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

PHOTOMETRIC DATA:



**MDC320-4-4L-DRDM-UNV-1/840**

TEST NO. = LA-T3686-2  
LED ROWS = 1  
SYSTEM WATTS (W) = 26.7  
CRI ≥ 80  
L70(Hrs.) ≥ 50,000  
PHOTOMETRY TYPE = C

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	994	24.3	26.9
0-40	1623	39.7	43.9
0-60	2853	69.8	77.2
0-90	3695	90.4	100.0
90-120	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	3695	90.4	100.0

SPACING CRITERION	
ALONG	ACROSS
1.18	1.26

Luminaire Output = 3695 lumens  
Luminaire Efficacy = 138.4 lm/W  
Luminaire Efficiency = 90.44%