



# SURFACE MOUNT MDC310

CENTER LENSED LUMINAIRE

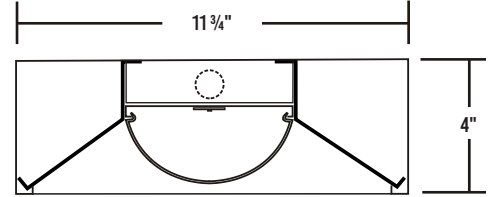


JOB	
TYPE	
DATE	

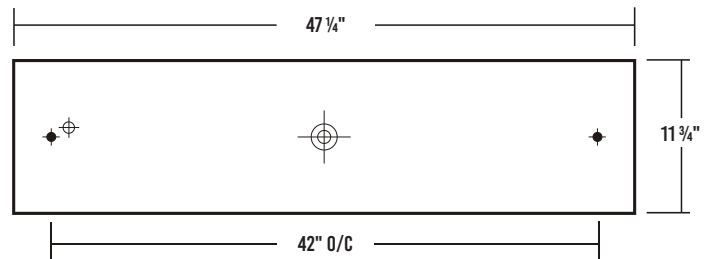
Commercial / Office / Classroom



### CROSS SECTION



### 2' x 4' BACKPLATE



- ◆ 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) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 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.**  
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 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.

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Revised: 07/10/24



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

EXAMPLE: MDC310-4-4L-BPL1.5-DRDM-UNV-1/840								
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	COLOR	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
<b>MDC310</b>					<b>DRDM</b>	<b>UNV</b>	<b>1</b>	
<b>MDC310</b> • Center Lensed LED Luminaire	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 10 - 10000 lm 12 - 12000 lm  High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm	<b>4L</b> • 2' x 4'	<b>(Blank)</b> • Standard White Housing  <b>BLK</b> • Black Housing  <b>BZ</b> • Bronze Housing  Custom colors available. Contact Customer Service.	<b>BPL1.5</b> • 1500 lm emergency battery pack  <b>WLC(xxx)</b> • Wireless Control  *Leave blank if not specified	<b>DRDM</b> • 0-10V Dimming Driver	<b>UNV</b> • 120V-277V	<b>1</b> • One LED Row	<b>827</b> • 80+CRI / 2700K  <b>830</b> • 80+CRI / 3000K  <b>835</b> • 80+CRI / 3500K  <b>840</b> • 80+CRI / 4000K  <b>850</b> • 80+CRI / 5000K  <b>865</b> • 80+CRI / 6500K  <b>8TW</b> • 80+CRI Tunable White 2700K-6500K  <b>90CRI Also available</b>
Standard options for MDC310 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.								Contact customer service for additional CRI/CCT packages.


**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

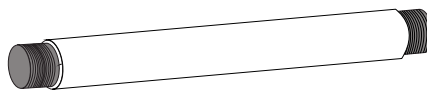
**COLOR**  
**W** - White  
**B** - Black

**CABLE LENGTH**  
**48** - 48 inches  
**96** - 96 inches  
 (other lengths as specified)

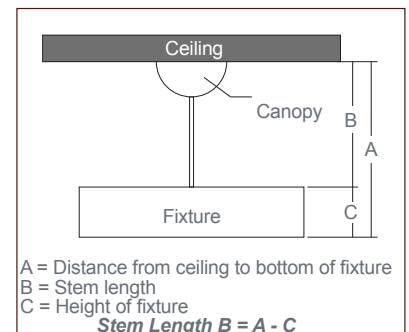
**STEM (Specify Length)**

- 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**



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

Normal Ambient Temperature	1' x 4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	MDC310-2-4L-DRDM-UNV-1/840	1857	13.4	138.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
	4000 Lumens (Nominal)	MDC310-4-4L-DRDM-UNV-1/840	3645	26.7	136.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	<a href="#">LA-T3720-2</a>
	6000 Lumens (Nominal)	MDC310-6-4L-DRDM-UNV-1/840	5677	43.7	130.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	<a href="#">LA-T3719-2</a>
	8000 Lumens (Nominal)	MDC310-8-4L-DRDM-UNV-1/840	7389	51.1	144.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F54T5HO, 4-F32T8	*
	10000 Lumens (Nominal)	MDC310-10-4L-DRDM-UNV-1/840	9040	61.5	147.0 lm/W	-20°C / 35°C (-4°F / 95°F)	5-F32T8	*
	12000 Lumens (Nominal)	MDC310-12-4L-DRDM-UNV-1/840	10735	74.9	143.3 lm/W	-20°C / 35°C (-4°F / 95°F)	5-F32T8	*

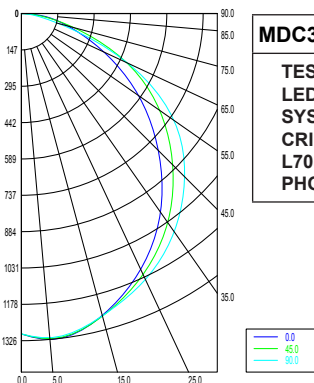
Normal Ambient Temp High Efficacy	1' x 4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	MDC310-2HE-4L-DRDM-UNV-1/840	2008	13.5	148.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
	4000 Lumens (Nominal)	MDC310-4HE-4L-DRDM-UNV-1/840	3569	23.5	152.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
	6000 Lumens (Nominal)	MDC310-6HE-4L-DRDM-UNV-1/840	5392	36.4	148.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*

**NOTE:**  
System data as of 07/10/24.  
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:



**MDC310-4-4L-DRDM-UNV-1/840**  
**TEST NO. = LA-T3720-2**  
**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	1026	25.1	28.1
0-40	1674	41.0	45.9
0-60	2949	72.2	80.9
0-90	3644	89.2	100.0
90-120	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	3645	89.2	100.0

SPACING CRITERION	
ALONG	ACROSS
1.21	1.30

Luminaire Output = 3645 lumens  
 Luminaire Efficacy = 136.5 lm/W  
 Luminaire Efficiency = 89.20%



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