



# CLEANROOM MCR210



CLASS 100 CLEANROOM SUFACE MOUNT LUMINAIRE

JOB	
TYPE	
DATE	

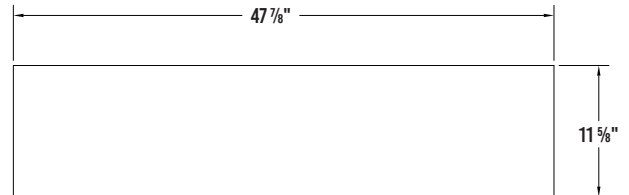
## Surface-Mounted



### CROSS SECTION



### BACKPLATE



\* No Unused Holes or KOs on Backplates

## SPECIFICATIONS

### Construction

- Class 100 / ISO Class 5 equivalent
- 22 gauge cold-rolled steel welded housing
- 20 gauge cold-rolled steel door frame secured by full length piano hinge and 2 captive screws
- Door frame and lens sealed with closed cell neoprene gasket
- All parts fitted and sealed, no unused holes or knockouts

### Finish

- Painted after fabrication
- Baked white powder-coated finish
- Minimum reflectance 90%

### Optical

- Inverted clear prismatic acrylic lens (nominal 0.125" thickness)

### Electrical

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 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

- Cleanroom, Sealed Ceiling Areas, Commercial

## FEATURES

- 0-10V dimming driver standard
- Supports California Title 24 compliance

## OPTIONS

- Range of lumen packages and color temperatures
- Tunable white (2700K - 6500K)
- Colored LEDs, including True/Native Amber
- Sensors and controls
- Lens options
- Antimicrobial finish
- Wet location
- Emergency battery pack
- Tamper-proof screws
- Customization available upon request



**Los Angeles Lighting Mfg. Co.**  
 Contact Us  
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 www.lalighting.com Made in the USA



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ORDERING INFORMATION

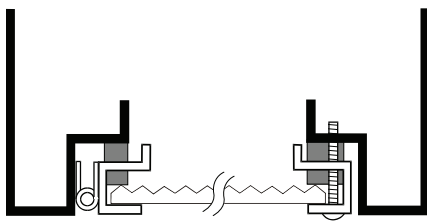
Visit [www.lalighting.com/resources](http://www.lalighting.com/resources) for additional options.

EXAMPLE: MCR210-4-4L-FSW-PA2-BPL1.5-DRDM-UNV-2/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	FINISH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
<b>MCR210</b>		<b>4L</b>								<b>1</b>	
<b>MCR210</b> • Class 100 Cleanroom Surface Mount LED Luminaire	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm  <b>High Efficacy</b> 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm	<b>4L</b> • 4'	<b>AMF</b> • Antimicrobial Finish  *Leave blank if not specified	<b>FSW</b> • Flat Steel White Enamel Door Frame	<b>PA2</b> • Clear Prismatic Acrylic 0.125"  <b>FPA2</b> • Frosted Prismatic Acrylic 0.125"  <b>DRP8</b> • High-Impact Clear Prismatic Acrylic 0.187"  <b>FFWA</b> • Flat Frosted White Acrylic	<b>WL</b> • Wet Location  <b>TP</b> • Tamper Proof Screws (Hex Socket with Post)  *Leave blank if not specified	<b>BPL1.5</b> • 1500 lm emergency battery pack  *Leave blank if not specified	<b>DRDM</b> • 0-10V Dimming Driver  <b>DRDM2C</b> • 2-Channel 0-10V Dimming Driver (for Color Tunable White)  <b>DRSD</b> • Step Dimming Driver  <b>DR2W</b> • 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column)	<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 Requires DRDM2C driver  <b>AM8</b> • PC Yellow 575 nm - 590 nm  <b>AM9</b> • PC Amber 586 nm - 593 nm  <b>AMT</b> • True Amber 585 nm - 595 nm  <b>90CRI Also available</b>
Most common options for MCR210 shown above. For additional options, including lumen packages, controls, lenses, colors/finishes, cord & plug, switches, 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.

DOOR FRAME

CROSS SECTION



FEATURES

- Full Length Piano Hinge
- Inverted Lens
- Two 10-24 Captive Machine Screws
- Sealed with Closed Cell Neoprene Gasket

FS W

FINISHES

- W** White Enamel
- B** Black Enamel

STYLES

- FS** Flat Steel

OPTICAL OPTIONS

STANDARD LENSES FOR MCR210 - Prismatic lenses are inverted to position the flat side facing down.

- PA2** Clear Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
- FPA2** Frosted Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
- DRP8** High-Impact Clear Prismatic Acrylic, Nom. 0.187" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
- FFWA** Flat Frosted White Acrylic, No Thickness Specified



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

Normal Temp

4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	MCR210-2-4L-FSW-PA2-DRDM-UNV-1/840	1591	12.4	127.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	MCR210-4-4L-FSW-PA2-DRDM-UNV-1/840	3123	25.5	122.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	MCR210-6-4L-FSW-PA2-DRDM-UNV-1/840	4611	39.0	118.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	MCR210-8-4L-FSW-PA2-DRDM-UNV-1/840	6054	53.1	114.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	MCR210-12-4L-FSW-PA2-DRDM-UNV-1/840	9221	78.0	118.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*

Normal Temp High Efficacy

4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	MCR210-2HE-4L-FSW-PA2-DRDM-UNV-1/840	1617	12.3	131.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	MCR210-4HE-4L-FSW-PA2-DRDM-UNV-1/840	3182	24.9	127.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	MCR210-6HE-4L-FSW-PA2-DRDM-UNV-1/840	4725	37.8	125.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*

NOTE:

System data as of 4/14/25 (K-Boards).

Luminaire efficiency: 74.6%

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.



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