



RETROFIT SOLUTION LED

RMBL220 (2X2) SERIES

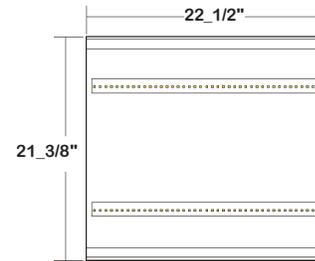
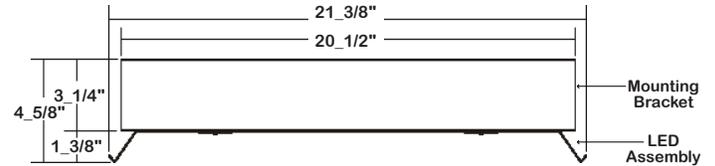
NOMINAL 2X2 HIGH BAY RETROFIT SOLUTION

DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

EASILY CONVERTS EXISTING NOMINAL 2X2 SURFACE / PENDANT / RECESSED MOUNTED HIGH BAY HID + FLUORESCENT FIXTURES TO LED LUMINAIRES

DIMENSIONS



**Dimensions must be checked against host fixture to ensure the retrofit solution will fit properly. L.A. Lighting has the capability to modify the retrofit solution to fit your fixture.*

FEATURES

- LED retrofit solution for nominal 2x2 surface / pendant / recessed mounted high bay HID + fluorescent luminaires
- **High (HT)** ambient temperature version available for extreme temperature ranges
- 0-10V dimming driver standard (packaged separately)
- Includes easy-to-read installation instructions
- Pre-punched holes to install the necessary hardware and wiring
- 2 safety cables pre-installed
- Supports California Title 24 compliance

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available
- Wireless control options available
- Emergency battery pack available
- Painted after fabrication available

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold rolled steel LED cover tray with 2 mounting brackets
- LED cover tray to be secured to the 2 mounting brackets
- 2 mounting brackets to be secured to host fixture with provided screws

FINISH

- Baked white polyester finish / minimum reflectance 86%

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)
- LED light engine is pre-wired with a quick connector for easy connection
- Driver-disconnect is provided for disconnecting the electrical supply conductors to the LED driver
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

LISTING

- UL USA and Canada listed

WARRANTY

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



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.

© 2022 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

Revised: 07/26/23



MADE IN THE USA
BAA Compliant

ORDERING INFORMATION EXAMPLE: RMBL220-16-2L-DRDM-UNV-2/850HT

RETROFIT SERIES	LED LUMEN PACKAGE	NOMINAL LENGTH	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT	AMBIENT TEMP.
RMBL220		2L			DRDM	UNV			HT
RMBL220 High Bay Fluorescent MBL220 Fixture to LED Luminaire Retrofit Solution (HT - High Ambient Temperature Version)	12 Nom. 12000 Lumens 16 Nom. 16000 Lumens 20 Nom. 20000 Lumens *Additional Lumen Packages Available	2L 2' x 2'	PAF Painted After Fabrication *Leave Blank if Not Specified	BPL1.5 1500lm Emergency Battery Pack MSHxx Motion Sensor High Frequency WLC(LEDPU) EnOcean Wireless Control *Leave Blank if Not Specified <u>Additional Electrical Options</u>	DRDM 0-10V Dimming Driver	UNV 120V-277V	2 Two LED Rows (Only 12000 / 16000 lumens Systems) 4 Four LED Rows (Only 20000 lumens System)	840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available	HT High Ambient Temp.
Standard options for RMBL220 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.									

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	HIGH AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS*	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT / HID EQUIVALENT	IES FILES
12000 Lumens (Nominal)	RMBL220-12-4L-DRDM-UNV-2/840HT	9794 lm	76.1 W	128.6 lm/W	-30°C / 45°C (with Door) -30°C / 50°C (without Door)	3-BX55, 175W (MH)	*
16000 Lumens (Nominal)	RMBL220-16-4L-DRDM-UNV-2/840HT	12886 lm	103.3 W	124.7 lm/W	-30°C / 45°C (with Door) -30°C / 50°C (without Door)	4-BX55, 400W (MH)	LA-T3146-4
20000 Lumens (Nominal)	RMBL220-20-4L-DRDM-UNV-4/840HT	16412 lm	130.9 W	125.4 lm/W	-30°C / 45°C (with Door) -30°C / 50°C (without Door)	750W (MH)	*

NOTE:
System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

* As tested in a host fixture with a clear prismatic acrylic lens

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.



Los Angeles Lighting Mfg. Co.
 Contact Us
 T: 626-454-8300
 F: 626-454-8399
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.

© 2022 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

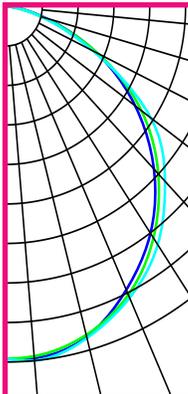
Revised: 07/26/23



PHOTOMETRIC DATA - RMBL220 SERIES

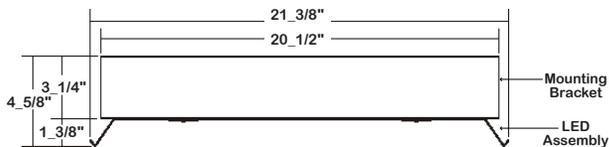
RMBL220-16-2L-DRDM-UNV-2/850HT

TEST NO.=LA-T3146-4
 HOST FIXTURE=MBL220 with Clear Prismatic Acrylic Lens
 LED TYPE=144 LED MODULE
 NO. OF MODULE=2
 SYSTEM WATT (W)=103.3
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	6820	6820	6820
5	6733	6748	6780
15	6648	6696	6726
25	6198	6283	6357
35	4978	5062	5129
45	3080	3039	2964
55	1402	1381	1359
65	514	506	502
75	145	145	140
85	21	22	22
90	1	1	1
95	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	5449	31.8	42.2
0-40	8626	50.7	66.9
0-60	12213	71.4	94.7
0-90	12886	75.4	100.0
90-120	0.3	0.0	0.0
90-150	0.3	0.0	0.0
90-180	0.3	0.0	0.0
0-180	12886	75.4	100.00



Luminaire Output = 12886 lumens
 Luminaire Efficacy = 124.7 lm/W

SPACING CRITERION	
ALONG	ACROSS
1.20	1.23

