RECESSED LED
RER120 (2X2) SERIES
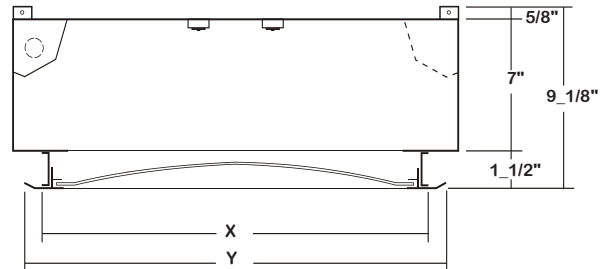ROUND APERTURE RECESSED LUMINAIRE

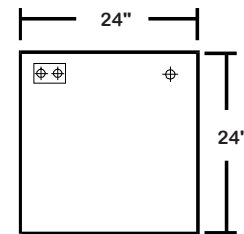**LA LIGHTING**

RECESSED MOUNTED LED LUMINAIRE

DIMENSIONS

5/8"
7"
9_1/8"
1_1/2"

X
Y

2' ROUND

Ceiling Opening Diameter   X = 21_1/4"
Flange overall Diameter   Y = 22_3/4"

ACCESS PLATE

7/8" K.O.

24"

24"

APPLICATIONS
• Retail, Commercial

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

OPTIONS
• Full customization available upon request
• Additional lumen packages and color temperatures available
• Wireless control options available
• Emergency battery pack available
• Convex lens available
• 20 ga. housing available

SPECIFICATIONS

CONSTRUCTION
• 22 ga. cold rolled steel housing
• One piece 18 ga. trim flange secured to fixture housing by torsion springs

FINISH
• Baked white polyester finish (powder coated finish available) / minimum reflectance 86%
• Trim flange: powder coated finish / painted after fabrication

OPTICAL
• Textured white acrylic concave dome

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) ≥ 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

ORDERING INFORMATION

EXAMPLE: RER120-3-2L-DRDM-UNV-2/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
RER120			**2L**				**DRDM**	**UNV**		
RER120 Round Aperture Recessed LED Luminaire	**2** Nom. 2000 Lumens **3** Nom. 3000 Lumens **4** Nom. 4000 Lumens **6** Nom. 6000 Lumens **8** Nom. 8000 Lumens **12** Nom. 12000 Lumens *Additional Lumen Packages Available	**(Blank)** Standard **HE** High Efficacy (Only 2000 / 3000 / 4000 / 6000 / 12000 lumens Systems)	**2L** 2' x 2'	**BD** Convex Lens *Leave Blank if Not Specified	**20G** 20 ga. Cold Rolled Steel Housing *Leave Blank if Not Specified	**BPL1.5** 1500lm Emergency Battery Pack **WLC(LEDRU)** EnOcean Wireless Control *Leave Blank if Not Specified *Additional Electrical Options*	**DRDM** 0-10V Dimming Driver	**UNV** 120V-277V	**2** Two LED Rows (Only 2000 / 3000 / 4000 / 6000 / 8000 lumens Systems) **4** Four LED Rows (Only 12000 lumens System)	**830** 80+CRI / 3000K Color Temp. **835** 80+CRI / 3500K Color Temp. **840** 80+CRI / 4000K Color Temp. **850** 80+CRI / 5000K Color Temp. *Additional Color Temp. Available

Standard options for RER120 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	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT / HID / CFL EQUIVALENT	IES FILES
2000 Lumens (Nominal)	RER120-2-2L-DRDM-UNV-2/840	1081 lm	15.6 W	69.1 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO, 1-BX40	*
3000 Lumens (Nominal)	RER120-3-2L-DRDM-UNV-2/840	1585 lm	24.2 W	65.5 lm/W	-20°C / 35°C	3-F17T8, 1-BX55	*
4000 Lumens (Nominal)	RER120-4-2L-DRDM-UNV-2/840	2065 lm	33.1 W	62.3 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO, 2-BX40	LA-T3184
6000 Lumens (Nominal)	RER120-6-2L-DRDM-UNV-2/840	2951 lm	52.0 W	56.7 lm/W	-20°C / 35°C	6-F17T8, 3-F24T5HO, 2-BX55	*
8000 Lumens (Nominal)	RER120-8-2L-DRDM-UNV-2/840	3986 lm	53.8 W	74.1 lm/W	-20°C / 35°C	4-F24T5HO, 175 W (MH), 4-BX40	*
12000 Lumens (Nominal)	RER120-12-2L-DRDM-UNV-4/840	5842 lm	104.6 W	55.8 lm/W	-20°C / 35°C	6-F24T5HO, 250 W (MH), 4-BX55	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT / HID / CFL EQUIVALENT	IES FILES
2000 Lumens (Nominal)	RER120-2HE-2L-DRDM-UNV-2/840	1025 lm	12.7 W	80.8 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO, 1-BX40	*
3000 Lumens (Nominal)	RER120-3HE-2L-DRDM-UNV-2/840	1537 lm	19.2 W	79.9 lm/W	-20°C / 35°C	3-F17T8, 1-BX55	*
4000 Lumens (Nominal)	RER120-4HE-2L-DRDM-UNV-2/840	2041 lm	25.9 W	78.7 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO, 2-BX40	*
6000 Lumens (Nominal)	RER120-6HE-2L-DRDM-UNV-2/840	3028 lm	39.6 W	76.4 lm/W	-20°C / 35°C	6-F17T8, 3-F24T5HO, 2-BX55	*
12000 Lumens (Nominal)	RER120-12HE-2L-DRDM-UNV-4/840	5994 lm	79.3 W	75.6 lm/W	-20°C / 35°C	6-F24T5HO, 250 W (MH), 4-BX55	*

NOTE:

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.

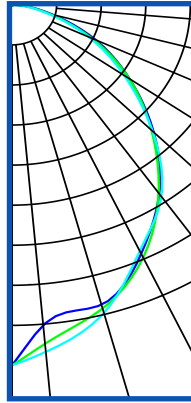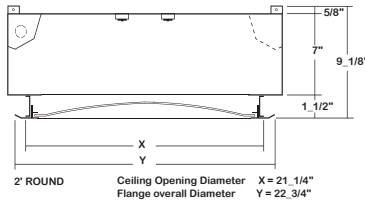*Additional lumen packages and color temperatures available.*

MADE IN THE USA BAA Compliant

PHOTOMETRIC DATA - RER120 SERIES

RER120-4-2L-DRDM-UNV-2/840

TEST NO.=LA-T3184
LED TYPE=48 LED MODULE
NO. OF MODULE=2
SYSTEM WATT (W)=33.1

CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE=C

5/8"
7"
9_1/8"
1_1/2"

X
Y

2' ROUND   Ceiling Opening Diameter   X = 21_1/4"
Flange overall Diameter   Y = 22_3/4"

CANDLEPOWER

ANGLE	END	45	CROSS
0	966	966	966
5	862	911	933
15	832	842	855
25	736	747	728
35	618	615	627
45	482	475	479
55	345	344	329
65	222	212	204
75	102	94	87
85	25	23	22
90	0	1	0
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	668	15.6	32.3
0-40	1057	24.6	51.2
0-60	1733	40.4	83.9
0-90	2064	48.1	100.00
90-120	.04	0.0	0.0
90-150	.04	0.0	0.0
90-180	.04	0.0	0.0
0-180	2065	48.1	100.00

Luminaire Output= 2065 lumens
Luminaire Efficacy = 62.3 lm/W

SPACING CRITERION

ALONG	ACROSS
1.05	1.05

LOS ANGELES LIGHTING MFG. CO.

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RER120