



# RETROFIT SOLUTION LED

## RGPA520 (2X4) SERIES (2X2 AVAILABLE)

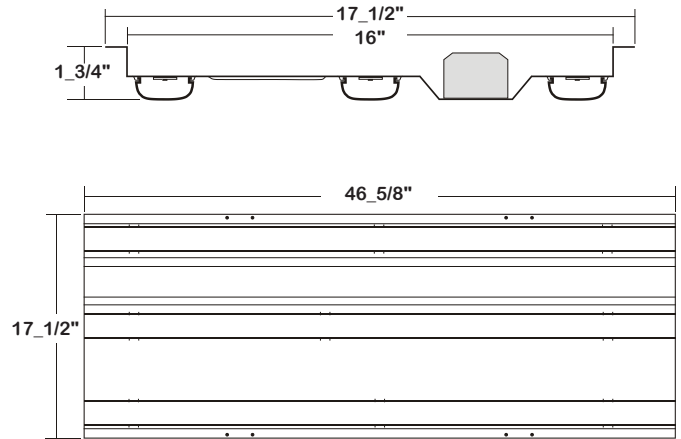
PARABOLIC RETROFIT SOLUTION

DATE	
JOB	

WWW.LALIGHTING.COM  
626-454-8300

**EASILY CONVERTS EXISTING RECESSED / SURFACE MOUNTED  
2X4 PARABOLIC 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 existing recessed / surface mounted 2X4 parabolic fluorescent luminaires
- 0-10V dimming driver standard (See [DRIVER OPTIONS](#) for other dimming types)
- Includes easy-to-read installation instructions (View [INSTALLATION INSTRUCTIONS](#))
- 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 (See [SENSOR OPTIONS](#) for controls and sensors)
- Wireless control options available (See [SENSOR OPTIONS](#) for wireless controls)
- Emergency battery pack available (See [BATTERY PACK OPTIONS](#) for battery pack options)
- Tunable white available (2700K-6500K)
- Painted after fabrication available

### SPECIFICATIONS

#### CONSTRUCTION

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

#### FINISH

- Baked white polyester finish / minimum reflectance 86%

#### OPTICAL

- Frosted white acrylic lens

#### 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)  $\geq 0.9$
- Total Harmonic Distortion (THD)  $\leq 20\%$

#### LISTING

- UL USA and Canada classified

#### WARRANTY

- 5-year limited warranty



**Los Angeles Lighting Mfg. Co.**

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www.lalighting.com Made in the USA



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Revised: 02/05/25



MADE IN THE USA  
BAA Compliant

**ORDERING INFORMATION** EXAMPLE: RGPA520-4-4L-FRWA-DRDM-UNV-3/840

RETROFIT SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
<b>RGPA520</b>			<b>4L</b>	<b>FRWA</b>			<b>DRDM</b>	<b>UNV</b>		
<b>RGPA520</b> 2X4 Parabolic Fluorescent Fixture to LED Luminaire Retrofit Solution	4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens 10 Nom. 10000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens  *Additional Lumen Packages Available	(Blank) Standard  HE High Efficacy	4L 2' x 4'	FRWA Frosted White Acrylic	PAF Painted After Fabrication  *Leave Blank if Not Specified	<b>BPL1.5</b> Emergency Battery Pack, Nom. 1500 lm  See <a href="#">BATTERY PACK OPTIONS</a> for Options  <b>WLC(LED RU)</b> EnOcean Wireless Control  See <a href="#">SENSOR OPTIONS</a> for Options  *Leave Blank if Not Specified  <a href="#">Additional Electrical Options</a>	<b>DRDM</b> 0-10V Dimming Driver  See <a href="#">DRIVER OPTIONS</a> for Options	<b>UNV</b> 120V-277V  See <a href="#">DRIVER OPTIONS</a> for Options	2 Two LED Rows (2 Rows of Cells)  3 Three LED Rows (3 Rows of Cells)  See <a href="#">LOUVER CELL</a> for Details	<b>830</b> 80+CRI / 3000K Color Temp.  <b>835</b> 80+CRI / 3500K Color Temp.  <b>840</b> 80+CRI / 4000K Color Temp.  <b>850</b> 80+CRI / 5000K Color Temp.  *Additional Color Temp. Available

**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 EQUIVALENT	IES FILES
4000 Lumens (Nominal)	RGPA520-4-4L-FRWA-DRDM-UNV-3/840	3164 lm	28.1 W	112.5 lm/W	-20°C / 35°C	2-F32T8	*
6000 Lumens (Nominal)	RGPA520-6-4L-FRWA-DRDM-UNV-3/840	4547 lm	39.0 W	116.6 lm/W	-20°C / 35°C	3-F32T8	<a href="#">LA-T3478</a>
8000 Lumens (Nominal)	RGPA520-8-4L-FRWA-DRDM-UNV-3/840	6158 lm	58.5 W	105.3 lm/W	-20°C / 35°C	2-F54T5HO	*
10000 Lumens (Nominal)	RGPA520-10-4L-FRWA-DRDM-UNV-3/840	7465 lm	62.3 W	119.7 lm/W	-20°C / 35°C	2-F54T5HO	*
12000 Lumens (Nominal)	RGPA520-12-4L-FRWA-DRDM-UNV-3/840	9228 lm	93.8 W	98.4 lm/W	-20°C / 35°C	6-F32T8, 3-F54T5HO	*
16000 Lumens (Nominal)	RGPA520-16-4L-FRWA-DRDM-UNV-3/840	12206 lm	96.7 W	126.2 lm/W	-20°C / 35°C	4-F54T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS**	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	RGPA520-4HE-4L-FRWA-DRDM-UNV-3/840	*	*	*	-20°C / 35°C	2-F32T8	*
6000 Lumens (Nominal)	RGPA520-6HE-4L-FRWA-DRDM-UNV-3/840	*	*	*	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	RGPA520-8HE-4L-FRWA-DRDM-UNV-3/840	*	*	*	-20°C / 35°C	2-F54T5HO	*
12000 Lumens (Nominal)	RGPA520-12HE-4L-FRWA-DRDM-UNV-3/840	*	*	*	-20°C / 35°C	6-F32T8, 3-F54T5HO	*
16000 Lumens (Nominal)	RGPA520-16HE-4L-FRWA-DRDM-UNV-3/840	*	*	*	-20°C / 35°C	4-F54T5HO	*

**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 9-cell louver  
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.

**PERFORMANCE DATA**

[VIEW PHOTOMETRICS](#)



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**SENSOR OPTIONS**



**CONTROLS AND SENSORS**

**WLC(LED RU) - EnOcean® LED Relay Zone Controller**

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

**ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount**

- Wireless single rocker switch with mounting plate
- No batteries needed

**EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount**

- Wireless double rocker switch with mounting plate
- No batteries needed

**S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool**

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

**EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount**

- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- Mounting height: 6-8 feet

**EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount**

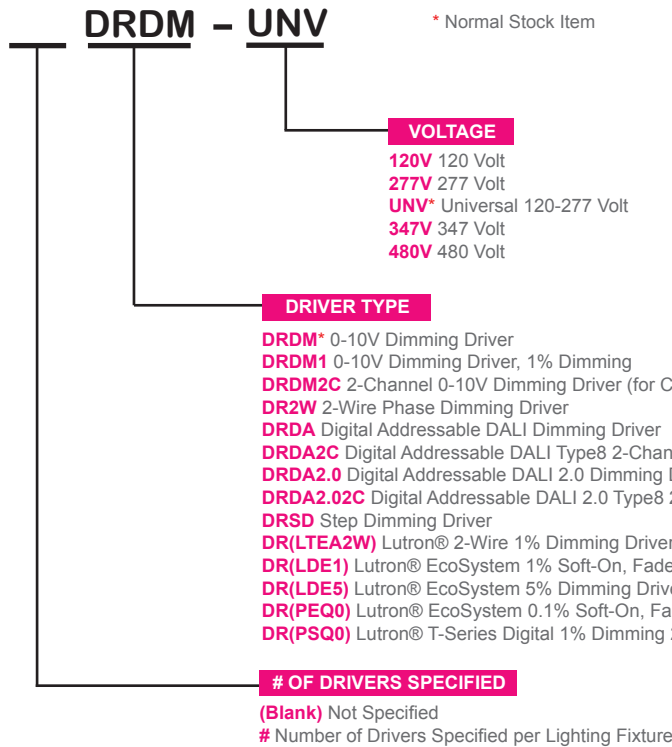
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

**ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount**

- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source

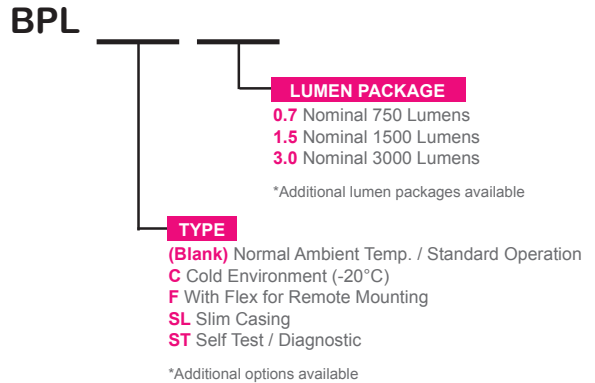
**DRIVER OPTIONS**

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.



**BATTERY PACK OPTIONS**

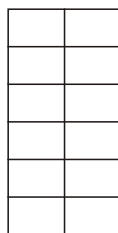
PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED BATTERY PACK OPTION WORKS WITH THIS FIXTURE.



**LOUVER CELL**

**2 ROWS OF CELLS**

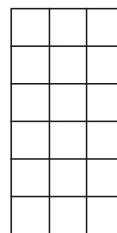
2 LED Rows



2x6

**3 ROWS OF CELLS**

3 LED Rows



3x6



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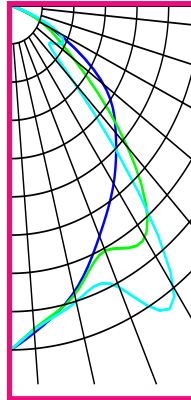


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BAA Compliant

**PHOTOMETRIC DATA - RGPA520\_4FT SERIES**

**RGPA520-4-4L-FRA-DRDM-UNV-3/840**

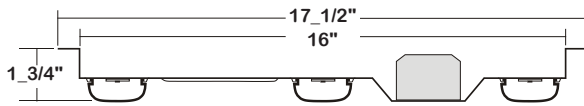
TEST NO.=LA-T3247  
 HOST FIXTURE=GPA520 with 18-Cell Semi-Specular Low  
 Iridescent Silver Finish Louver  
 LED TYPE=48 LED MODULE  
 NO. OF MODULE=6  
 SYSTEM WATT (W)=28.3  
 CRI ≥ 80  
 L70(Hrs.) ≥ 50,000  
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	1571	1571	1571
5	1525	1510	1516
15	1373	1401	1418
25	1181	1256	1439
35	1017	1306	1593
45	835	929	495
55	673	431	308
65	264	209	295
75	20.6	21.2	22.5
85	2	2.4	2.2
90	0	0	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	1135	26.8	35.0
0-40	1955	46.1	60.3
0-60	2978	70.2	91.8
0-90	3245	76.5	100.0
90-120	.01	0.0	0.0
90-150	.01	0.0	0.0
90-180	.01	0.0	0.0
0-180	3245	76.5	100.00

Luminaire Output= 3245 lumens  
 Luminaire Efficacy = 114.7 lm/W



SPACING CRITERION	
ALONG	ACROSS
1.05	1.44

