



# RECESSED LED

## FPA520 (2X2) SERIES (2X4 AVAILABLE)

TRIM FLANGED PARABOLIC GRID LUMINAIRE

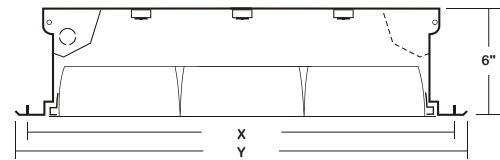


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JOB	

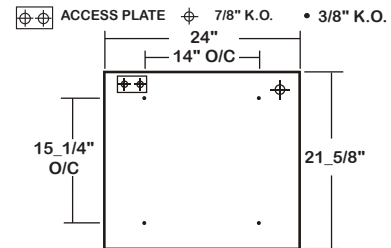
WWW.LALIGHTING.COM  
626-454-8300

### RECESSED MOUNTED LED LUMINAIRE

### DIMENSIONS



Ceiling opening X-24\_1/2" x 24\_1/2"  
Overall width by length Y-26" x 26"



### APPLICATIONS

- Commercial, Office

### FEATURES

- 0-10V dimming driver standard (See *DRIVER OPTIONS* for other dimming types)
- Supports California Title 24 compliance

### OPTIONS

- Continuous row mounting available upon request
- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available (See *SENSOR OPTIONS* for wireless controls)
- Emergency battery pack available (See *BATTERY PACK OPTIONS* for battery pack options)
- 20 ga. cold rolled steel housing available
- Powder coated finish available (painted after fabrication)
- Hanger yokes available (See *ACCESSORIES* for details)
- Swing-out jacks available (See *ACCESSORIES* for details)

### SPECIFICATIONS

#### CONSTRUCTION

- 22 ga. cold rolled steel housing
- Door frame secured by T-hinges and positive spring loaded latches
- 18 ga. one piece welded trim flange
- One way polyurethane gasket

#### FINISH

- Baked white polyester finish (powder coated finish available) / minimum reflectance 86%
- Trim flange: baked white powder coated finish
- Parabolic louvers: semi-specular low iridescent aluminum finish
- Door frame: black powder coated finish standard

#### OPTICAL

- Full 3" deep aluminum parabolic louvers

#### 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



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Revised 10-16-18

**WARNING**

**ORDERING INFORMATION**

**EXAMPLE:** FPA520-6-2L-S9-BPL10-1DRDM-UNV-3/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	FINISH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
<b>FPA520</b>			<b>2L</b>					<b>1DRDM</b>	<b>UNV</b>		
<b>FPA520</b> Trim Flanged Parabolic LED Luminaire	2 Nom. 2000 Lumens 3 Nom. 3000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens  <b>*Additional Lumen Packages Available</b>	(Blank) Standard  <b>HE</b> High Efficacy	<b>2L</b> 2' x 2'	<b>PAF</b> Painted After Fabrication  *Leave Blank if Not Specified	<b>S9</b> 9 Cell Louver, Semi-Specular Low Iridescent Silver Finish (3 LED Rows)  <b>S16</b> 16 Cell Louver, Semi-Specular Low Iridescent Silver Finish (4 LED Rows)  See <u>LOUVER CELL for Options</u>	<b>HE</b> Heat Exchange  <b>20G</b> 20 ga. Cold Rolled Steel Housing  *Leave Blank if Not Specified  <u>Additional Mechanical Options</u>	<b>BPL10</b> Emergency Battery Pack, Constant 10W Nom. 1500 lm  See <u>BATTERY PACK OPTIONS for Options</u>  <b>WLC(LED RU)</b> EnOcean Wireless Control  See <u>SENSOR OPTIONS for Options</u>  *Leave Blank if Not Specified  <u>Additional Electrical Options</u>	<b>1DRDM</b> 0-10V One Dimming Driver  See <u>DRIVER OPTIONS for Options</u>	<b>UNV</b> 120V-277V  See <u>DRIVER OPTIONS for Options</u>	<b>3</b> Three LED Rows (Only S9 Option)  <b>4</b> Four LED Rows (Only S16 Option)	<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
2000 Lumens (Nominal)	FPA520-2-2L-1DRDM-UNV-1/840	1610 lm	14.3 W	112.7 lm/w	-20°C / 35°C	2-F17T8, 1-F24T5HO	*
3000 Lumens (Nominal)	FPA520-3-2L-1DRDM-UNV-1/840	2453 lm	22.6 W	108.5 lm/W	-20°C / 35°C	3-F17T8	*
4000 Lumens (Nominal)	FPA520-4-2L-1DRDM-UNV-1/840	3135 lm	29.8 W	105.3 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO	<a href="#">LA-T3374-1</a>
6000 Lumens (Nominal)	FPA520-6-2L-1DRDM-UNV-1/840	4698 lm	47.8 W	98.3 lm/W	-20°C / 35°C	6-S17T8, 3-F24T5HO	*

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)	FPA520-2HE-2L-1DRDM-UNV-1/840	1544 lm	11.3 W	136.4 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO	*
3000 Lumens (Nominal)	FPA520-3HE-2L-1DRDM-UNV-1/840	2425 lm	17.9 W	135.8 lm/W	-20°C / 35°C	3-F17T8	*
4000 Lumens (Nominal)	FPA520-4HE-2L-1DRDM-UNV-1/840	3115 lm	23.2 W	134.4 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO	*
6000 Lumens (Nominal)	FPA520-6HE-2L-1DRDM-UNV-1/840	4620 lm	35.4 W	130.5 lm/W	-20°C / 35°C	6-S17T8, 3-F24T5HO	*

**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.

**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

**E DRPU-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

**E OSWU-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

**E OSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount**

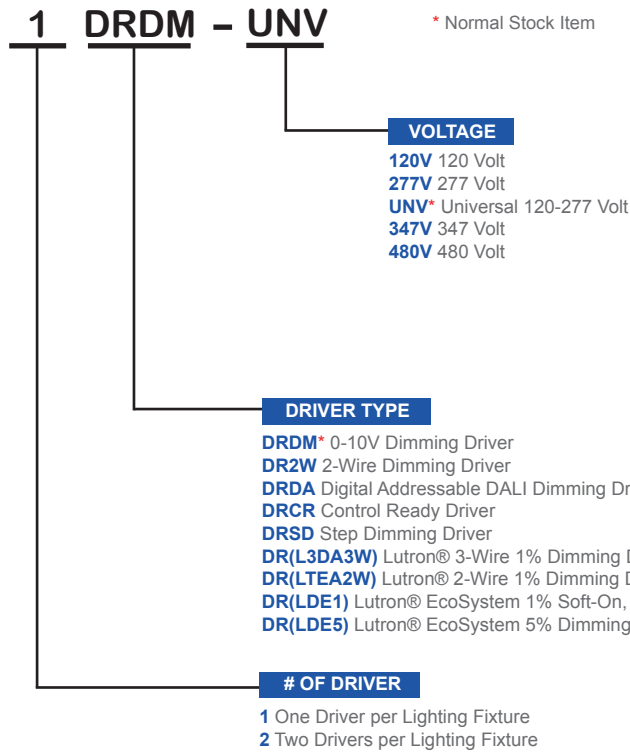
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

**E LLSU-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

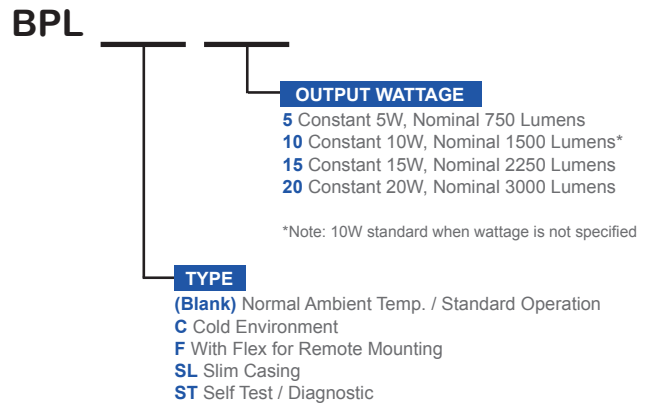
**DRIVER OPTIONS**

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



**BATTERY PACK OPTIONS**

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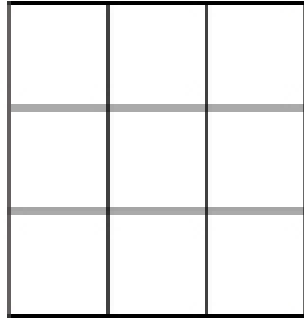
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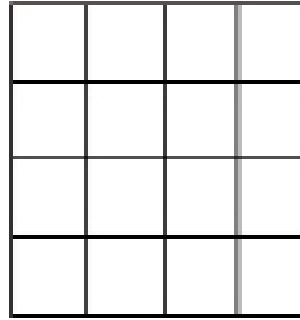
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**WARNING**

**LOUVER CELL**



**S9**  
9 Cell Louver  
(3 LED Rows)

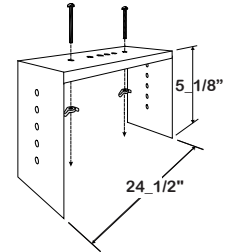
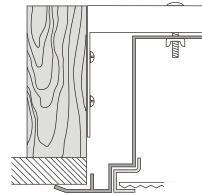


**S16**  
16 Cell Louver  
(4 LED Rows)

**ACCESSORIES**

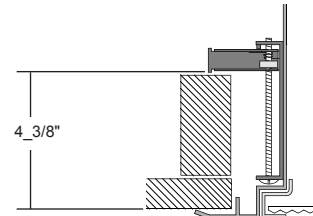
**HS-24\_1/2**

- Hanger Yokes
- Compatible with all types of recessed flanged fixtures
- 1/4 - 20 x 3" machine screws locate into knockout on back of fixture housing
- Two (2) per fixture



**SOJ**

- Swing-Out Jacks
- Spring loaded adjustable mounting bracket for mounting in drywall or plaster type ceiling
- Four (4) per fixture



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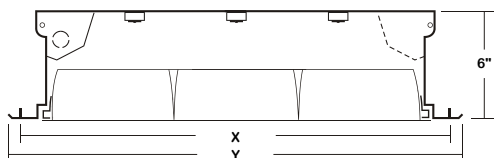
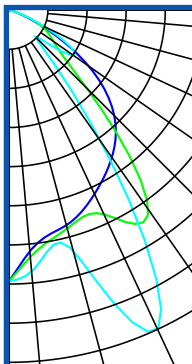
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**PHOTOMETRIC DATA - FPA520 SERIES**

**FPA520-4-2L-S9-1DRDM-UNV-3/840**

TEST NO.= LA-T3374-1  
 LED TYPE=48 LED MODULE  
 NO. OF MODULE=3  
 SYSTEM WATT (W)=22.6  
 CRI ≥ 80  
 L70(Hrs.) ≥ 50,000  
 PHOTOMETRY TYPE=C



Ceiling opening X-24\_1/2" x 24\_1/2"  
 Overall width by length Y-26" x 26"

**CANDLEPOWER**

ANGLE	END	45	CROSS
0	1629	1629	1629
5	1453	1488	1576
15	1337	1357	1497
25	1218	1352	2114
35	1079	1461	965
45	896	660	227
55	586	329	471
65	203	205	241
75	36	40	32
85	13	15	10
90	0	0	0
95	0	0	0
105	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	1236	30	39
0-40	2016	50	64
0-60	2873	71	92
0-90	3135	77	100
90-120	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	3135	77	100

Luminaire Output= 3134.8 lm  
 Luminaire Efficacy = 138.7 lm/W

**SPACING CRITERION**

ALONG	ACROSS
1.05	1.24

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