RECESSED MOUNTED LED LUMINAIRE

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
• Tunable white available (2700K-6500K)
• White louvers available (See LOUVER CELL for options)
• Painted after fabrication available
• Hanger yokes available (See ACCESSORIES for details)
• Swing-out jacks available (See ACCESSORIES for details)

SPECIFICATIONS

CONSTRUCTION

• 22 ga. cold rolled steel housing
• 18 ga. one piece welded trim flange

FINISH

• Baked white polyester finish / 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

• Frosted acrylic lens covering each LED row
• Nominal 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) ≥ 0.9
• Total Harmonic Distortion (THD) ≤ 20%

LISTING

• UL USA and Canada listed / suitable for damp locations

WARRANTY

• 5-year limited warranty

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.
**ORDERING INFORMATION**

**EXAMPLE:** FPA620-6-4L-S18-DRDM-UNV-3/840

<table>
<thead>
<tr>
<th>SERIES</th>
<th>LED LUMEN PACKAGE</th>
<th>EFFICACY</th>
<th>NOMINAL LENGTH</th>
<th>OPTICAL</th>
<th>MECHANICAL</th>
<th>ELECTRICAL</th>
<th>DRIVER</th>
<th>VOLTAGE</th>
<th># OF LED ROW</th>
<th>CRI / CCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPA620</td>
<td></td>
<td></td>
<td>4L</td>
<td>4L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Z 2 x 4’</td>
<td></td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

**EXAMPLE**

- **FPA620-6-4L-S18-DRDM-UNV-3/840**
- **FPA620-12-4L-S18-DRDM-UNV-3/840**
- **FPA620-4HE-4L-S12-DRDM-UNV-2/840**
- **FPA620-8HE-4L-S12-DRDM-UNV-2/840**

**SYSTEM DATA**

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

<table>
<thead>
<tr>
<th>LED LUMEN PACKAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORMAL AMBIENT TEMPERATURE</td>
</tr>
<tr>
<td>PRODUCT CODE</td>
</tr>
<tr>
<td>DELIVERED LUMENS</td>
</tr>
<tr>
<td>SYSTEM WATTS</td>
</tr>
<tr>
<td>LUMINAIRE EFFICACY</td>
</tr>
<tr>
<td>AMBIENT TEMP.</td>
</tr>
<tr>
<td>FLUORESCENT EQUIVALENT</td>
</tr>
<tr>
<td>IES FILES</td>
</tr>
</tbody>
</table>

**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**
## SENSOR OPTIONS

**CONTROLS AND SENSORS**

**WLC(LEDRU) - 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
- 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.**

<table>
<thead>
<tr>
<th>DRIVER TYPE</th>
<th>VOLTAGE</th>
<th># OF DRIVERS SPECIFIED</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRDM* UNV</td>
<td>120V 120 Volt</td>
<td>(Blank)</td>
</tr>
<tr>
<td></td>
<td>277V 277 Volt</td>
<td>Not Specified</td>
</tr>
<tr>
<td></td>
<td>347V 347 Volt</td>
<td># Number of Drivers Specified per Lighting Fixture</td>
</tr>
<tr>
<td></td>
<td>480V 480 Volt</td>
<td></td>
</tr>
</tbody>
</table>

**DRIVER TYPE**
- DRDM* 0-10V Dimming Driver
- DRDM1 0-10V Dimming Driver, 1% Dimming
- DRDM2C 2-Channel 0-10V Dimming Driver (for Color Tunable White)
- DR2W 2-Wire Phase Dimming Driver
- DRDA Digital Addressable DALI Dimming Driver
- DRDA2 Digital Addressable DALI Type8 2-Channel Driver (for Color Tunable White)
- DRDA2.0 Digital Addressable DALI 2.0 Dimming Driver
- DRDA2.02C Digital Addressable DALI 2.0 Type8 2-Channel Driver (for Color Tunable White)
- DRSD Step Dimming Driver
- D(LTEA2W) Lutron® 2-Wire 1% Dimming Driver (120V Forward Phase only)
- D(LDE1) Lutron® EcoSystem 1% Soft-On, Fade-to-Black™ Dimming Driver
- D(LDE5) Lutron® EcoSystem 5% Dimming Driver
- D(PQO) Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver
- D(PSQ) Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White)

## BATTERY PACK OPTIONS

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

**BPL**

**OUTPUT WATTAGE**
- 5 Constant 5W, Nominal 750 Lumens
- 10 Constant 10W, Nominal 1500 Lumens*
- 15 Constant 15W, Nominal 2250 Lumens
- 20 Constant 20W, Nominal 3000 Lumens

**TYPE**
- (Blank) Normal Ambient Temp. / Standard Operation
- C Cold Environment
- F With Flex for Remote Mounting
- SL Slim Casing
- ST Self Test / Diagnostic

*Note: 10W standard when wattage is not specified

**# OF DRIVERS SPECIFIED**
- (Blank) Not Specified
**LOUVER CELL**

- **S12**
  - 12 Cell Louver
  - (2 LED Rows)

- **S18**
  - 18 Cell Louver
  - (3 LED Rows)

- **S24**
  - 24 Cell Louver
  - (3 LED Rows)

- **S32**
  - 32 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

**WARNING**

**WHITE LOUVERS** available. Please contact the factory.**
PHOTOMETRIC DATA - FPA620 SERIES (4FT)

**FPA620-4-4L-S12-DRDM-UNV-2/840**

- **TEST NO.** = LA-T3428
- **LED TYPE** = 48 LED MODULE
- **NO. OF MODULE** = 4
- **SYSTEM WATT (W)** = 25.8
- **CRI ≥ 80**
- **L70(Hrs.) ≥ 50,000**
- **PHOTOMETRY TYPE** = C

Ceiling opening X-24 1/2" x 48 1/2"
Overall width by length Y-26" x 50"

| ANGLE | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 180 |
|-------|---|---|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| **X** | 1353 | 1353 | 1353 | 1124 | 1135 | 1158 | 945 | 982 | 1052 | 727 | 864 | 1176 | 506 | 734 | 726 | 265 | 255 | 139 | 75 | 35 | 43 | 71 | 2 | 4 | 4 | 90 | 0 | 0 | 0 | 95 | 0 | 0 | 0 | 100 | 0 | 0 | 0 |
| **Y** | 1353 | 1353 | 1353 | 1124 | 1135 | 1158 | 945 | 982 | 1052 | 727 | 864 | 1176 | 506 | 734 | 726 | 265 | 255 | 139 | 75 | 35 | 43 | 71 | 2 | 4 | 4 | 90 | 0 | 0 | 0 | 95 | 0 | 0 | 0 | 100 | 0 | 0 | 0 |

**ZONAL LUMEN SUMMARY**

<table>
<thead>
<tr>
<th>DEGREES</th>
<th>LUMENS</th>
<th>% LAMP</th>
<th>% FIXTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>1008</td>
<td>24</td>
<td>31</td>
</tr>
<tr>
<td>0-40</td>
<td>1630</td>
<td>39</td>
<td>51</td>
</tr>
<tr>
<td>0-60</td>
<td>2939</td>
<td>71</td>
<td>91</td>
</tr>
<tr>
<td>0-90</td>
<td>729</td>
<td>91</td>
<td>91</td>
</tr>
<tr>
<td>0-120</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0-150</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0-180</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0-180</td>
<td>1353</td>
<td>1353</td>
<td>1353</td>
</tr>
</tbody>
</table>

Luminaire Output = 3219.5 lumens
Luminaire Efficacy = 124.8 lm/W
Luminaire Efficiency = 77.9%

**SPACING CRITERION**

ALONG | ACROSS
1.14 | 1.21

**FPA620-6-4L-S18-DRDM-UNV-3/840**

- **TEST NO.** = LA-T3429
- **LED TYPE** = 48 LED MODULE
- **NO. OF MODULE** = 6
- **SYSTEM WATT (W)** = 38.3
- **CRI ≥ 80**
- **L70(Hrs.) ≥ 50,000**
- **PHOTOMETRY TYPE** = C

Ceiling opening X-24 1/2" x 48 1/2"
Overall width by length Y-26" x 50"

| ANGLE | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 180 |
|-------|---|---|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| **X** | 1543 | 1543 | 1543 | 1537 | 1621 | 1713 | 1216 | 1467 | 1882 | 977 | 1294 | 1374 | 699 | 880 | 892 | 446 | 481 | 481 | 75 | 50 | 77 | 82 | 85 | 4 | 5 | 5 | 90 | 0 | 0 | 0 | 95 | 0 | 0 | 0 | 100 | 0 | 0 | 0 |
| **Y** | 1543 | 1543 | 1543 | 1537 | 1621 | 1713 | 1216 | 1467 | 1882 | 977 | 1294 | 1374 | 699 | 880 | 892 | 446 | 481 | 481 | 75 | 50 | 77 | 82 | 85 | 4 | 5 | 5 | 90 | 0 | 0 | 0 | 95 | 0 | 0 | 0 | 100 | 0 | 0 | 0 |

**ZONAL LUMEN SUMMARY**

<table>
<thead>
<tr>
<th>DEGREES</th>
<th>LUMENS</th>
<th>% LAMP</th>
<th>% FIXTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>1348</td>
<td>22</td>
<td>30</td>
</tr>
<tr>
<td>0-40</td>
<td>2263</td>
<td>38</td>
<td>50</td>
</tr>
<tr>
<td>0-60</td>
<td>3971</td>
<td>66</td>
<td>89</td>
</tr>
<tr>
<td>0-90</td>
<td>4484</td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>0-120</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0-150</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0-180</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0-180</td>
<td>2263</td>
<td>38</td>
<td>50</td>
</tr>
</tbody>
</table>

Luminaire Output = 4484.1 lumens
Luminaire Efficacy = 117.1 lm/W
Luminaire Efficiency = 74.6%

**SPACING CRITERION**

ALONG | ACROSS
1.24 | 1.56

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