



Laguna 1 Series

# LGADU-1P

LOUVERED DIRECT | INDIRECT - SUSPENDED

Brilliant by Design™, minimalistic aesthetic combined with our innovative Louvered Optic solutions will bring your vision to light. The innovative Micro Optic Louver and Point Source Louver designs utilize high efficiency 90+ CRI chips and innovative louver designs for precise light management while meeting and exceeding the Well Building standard for glare.

## FEATURES

- Micro Optic Louver (MOL) or Point Source Louver (PSL) delivers unparalleled optic control and exceptional performance.
- Point Source Louver 80° optic offers a deeper louver with “extra quiet” visual effect.
- Micro Optic Louver 60° offers a shallower louver with “illuminated quiet” visual effect.
- Meets or exceeds Well Building standards for glare.
- Minimalistic 1.5” Aperture with low profile.
- High efficiency Indirect PRO optics available with Asymmetric, Wide, Batwing and Diffusing distributions.
- Individually controlled Direct and Indirect optics and lumen outputs.
- Innovative slider optic removal system allows for easy installation and serviceability.
- Individual fixture lengths and seamless continuous runs.
- Integrated Wired/Wireless Controls and Sensors and Emergency Driver options available.
- Specified Lumen Outputs (SLO) available.
- Proudly crafted in Huntington Beach, CA - USA.
- BABA approved in most configurations. Consult factory for details.



Point Source Louver (PSL) in Black. Micro Optic Louver (MOL) in White

## Performance Overview

4' Laguna 1 Direct - 3500K 90CRI - PSL80-WH*				
Lumen Output	LL (Low)	ML (Medium)	HL (High)	SLO** (Specified)
Delivered Lumens	1036	2296	4444	524-7116
Consumed Wattage	6.68	15.76	33.2	3.28-59.20
Efficacy (lm/W)	155	146	134	159-120
SDCM	3	3	3	

\*Calculations are based on White Louver (most efficient). See Specified Lumen Output configurator for Black and Silver.

\*\*Specified Lumen Output (SLO) available in customizable lumen configurations (524 lm - 6082 lm). See SLO Configurator at [ExtantLighting.com](http://ExtantLighting.com)



**ORDERING INFORMATION**

Project: \_\_\_\_\_

Date: \_\_\_\_\_ Type: \_\_\_\_\_

Product Family	Driver Location	Length	Direct Lumen Output	Louwer Optic/Color	Indirect Lumen Output
<b>LGADU-1P</b>	<b>TD</b>				
<b>LGADU-1P</b> Laguna Direct and Indirect 1.5" Aperture (Suspended)	<b>TD</b> Integral Driver	<p>___* Specify Nominal Fixture Length  <b>R_X_</b> Rectangle  <b>L_X_L</b> Pattern  <b>U_X_X_</b> U Pattern  <b>PC</b> Custom Pattern</p> <p>*Minimum length is 4'.                      *Any length over 8' requires multiple fixture segments.                      *Actual fixture lengths are based on 11" increments</p>	<p><b>DLL*</b> Low (259 l/ft @ 1.67 W)  <b>DML*</b> Medium (574 l/ft @ 3.94 W)  <b>DHL*</b> High (1111 l/ft @ 8.3 W)  <b>SLO-XX**</b> Specified Lumen Output available.</p> <p>*Delivered lumen output &amp; consumed wattage based on "PSL80-WH 35" 90 CRI - 3500K (Most Efficient) See Specified Lumen Output configurator for alternative outputs and Black and Silver calculations at <a href="http://ExtantLighting.com">ExtantLighting.com</a>. **See SLO Configurator at <a href="http://ExtantLighting.com">ExtantLighting.com</a> for appropriate "xx" output.</p>	<p><b>Point Source Louwer</b>  <b>PSL80-BK</b> 80° Black Louwer  <b>PSL80-WH</b> 80° White Louwer  <b>PSL80-SL</b> 80° Silver Louwer  <b>Micro Optic Louwer</b>  <b>MOL60-BK</b> 60° Black Louwer  <b>MOL60-WH</b> 60° White Louwer</p>	<p><b>ULL*</b> Low (172 l/ft @ 1.72 W)  <b>UML*</b> Medium (423 l/ft @ 4.25 W)  <b>UHL*</b> High (835 l/ft @ 8.83 W)  <b>SLO-XX**</b> Specified Lumen Output available.</p> <p>*Delivered lumen output &amp; consumed wattage based on "PRODF 35" (90 CRI - 3500K). See SLO Configurator for alternate outputs.                      **See SLO Configurator at <a href="http://ExtantLighting.com">ExtantLighting.com</a> for appropriate "xx" output.</p>

Indirect Optics	Color Temp	Voltage	Driver	Powder Coat Finish
<p><b>PROAY</b> Asymmetric  <b>PROWD</b> Wide  <b>PROBW</b> Batwing  <b>PRODF</b> Diffusing</p>	<p><b>27</b> 2700K  <b>30</b> 3000K  <b>35</b> 3500K  <b>40</b> 4000K  <b>50</b> 5000K  <b>XX</b> Optional Color Temp &amp; CRI Available</p>	<p><b>VU</b> 120V-277V  <b>V3</b> 347V</p>	<p><b>D*</b> 1% 0-10V  <b>DN</b> NON DIM  <b>DELV</b> 1% Electronic Low Voltage Dimming (Reverse Phase dimming)  <b>DTRIAC</b> 1% Electronic Low Voltage Dimming (Forward Phase dimming)  <b>DL1</b> Lutron Hi-Lume 1% EcoSystem  <b>DE</b> .1% 0-10V  <b>DD1</b> 1% DALI  <b>DDE</b> .1% DALI  <b>DMX</b> .1% DMX/RDM  <b>XX</b> Other (Please Specify)</p> <p>*Dim to Off available. Please Specify "--OFF" next to driver option if required.</p>	<p><b>SA*</b> Silver Anodized  <b>WP*</b> Matte White  <b>BP*</b> Matte Black  <b>CC**</b> Custom  <b>SAMF</b> SA Housing/Machine Finish End Caps  <b>WPMF</b> WP Housing/Machine Finish End Caps  <b>BPMF</b> BP Housing/Machine Finish End Caps  <b>CCMF</b> CC Housing/Machine Finish End Caps</p> <p>*The housing finish and end cap finish will match.                      ** Custom Color (CC) to be provided in satin finish and color to be specified by a RAL number. The housing finish and end cap finish will match.</p>

Options	Mounting	Cable Length	Power Cord	Canopy Mounting	Canopy Shape/Finish
	<b>AC</b>				
<p><b>EMC_*</b> Emergency Circuit(s)  <b>EMB_*</b> Emergency Battery Pack(s)  <b>SOC*</b> Occupancy Sensor  <b>SDL*</b> Daylight Sensor  <b>MTC*</b> Multiple Circuit(s) (Daylight, Occupancy, Zone Specific)  <b>BCS*</b> Brilliant Communications Solutions (wired/wireless)  <b>2C</b> 2 Circuit (Direct Light and Indirect Light (Controlled Independently)</p> <p>*EMC: Specify quantity of emergency circuits.                      *EMB: Specify quantity of battery packs. Minimum 4' unit.                      *SOC &amp; SDL: Specify spacing/location of sensor(s).                      *MTC: Circuit location(s) to be identified through factory supplied drawings                      *BCS: includes wired and wireless integration from our partners at nLight™, enlightened, Legrand, Crestron, Osram, Lutron and many more.</p>	<b>AC</b> Aircraft Cable	<p><b>24</b> 24"  <b>48</b> 48"  <b>72</b> 72"  <b>96</b> 96"  <b>144</b> 144"                      ___* Custom Length (Please Specify)</p>	<p><b>SL</b> Silver  <b>WH</b> White  <b>BK</b> Black</p>	<p><b>C5</b> 5" Canopies - JBox (Standard)  <b>NC</b> No Canopies at all Cables Except 5" at Power Feed  <b>C25</b> 5" Canopies at Power Feed(s) - 2" Canopies at Cables  <b>9T5*</b> 9/16 Grid Mounted - 5" Canopies at all cables  <b>1T5*</b> 15/16 Grid Mounted - 5" Canopies at all cables  <b>ABT5*</b> Armstrong Interlude/Bolt Slot Grid Mounted - 5" Canopies at all cables  <b>9T25*</b> 9/16 Grid Mounted - 5" Canopies at Power Feed(s) - 2" Canopies at Cables  <b>1T25*</b> 5/16 Grid Mounted - 5" Canopies at Power Feed(s) - 2" Canopies at Cables  <b>ABT25*</b> Armstrong Interlude or Bolt Slot Grid Mounted 5" Canopies at Power Feed(s) - 2" Canopies at Cables</p> <p>*Fixture mounting to be installed in line with Main Beams or Cross Tee's. Not designed to be mounted across Main Beams or Cross Tee's</p>	<p><b>SQS</b> Square Silver  <b>SQW</b> Square Matte White  <b>SQB</b> Square Matte Black  <b>RNS</b> Round Silver  <b>RNW</b> Round Matte White  <b>RNB</b> Round Matte Black</p>



## Specifications

**CONSTRUCTION** One-piece heavy gauge 6063 extruded aluminum housing. Precision-machined aluminum end caps.

**OPTICS** Specify Point Source Louver (PSL) Optics or Micro Optic Louver (MOL)

- Point Source Louver 80° optic offers a deeper louver with “extra quiet” visual effect
- Micro Optic Louver 60° offers a shallower louver with “illuminated quiet” visual effect.

**LIGHT OUTPUT** (3) Standard lumen packages are available: Low (DLL), Medium (DML) and High (DHL). Specified Lumen Output (SLO) packages available. Please see the (SLO) configurator at [ExtantLighting.com](http://ExtantLighting.com).

**LEDS** Latest generation of premium 3-step MacAdam Ellipse LED’s available in (90+ CRI) 2700K, 3000K, 3500K, 4000K. LED modules are easily accessible and replaceable.

**VOLTAGE** Universal 120/277V (VU) and 347V (V3) available. Consult factory for driver options when 347V is specified.

**EMERGENCY BATTERY** Factory provided low profile 6.5W emergency battery for UL924 required 90-minute run time (optional).

**FINISH** Standard finishes include powder coated silver anodized, powder coated white or powder coated black. Custom colors available.

**CONTINUOUS ROWS** Innovative slider optic removal system allows for easy installation and serviceability. Individual fixture lengths and seamless continuous runs.

**PATTERNS** Standard Rectangle Pattern (R), U Pattern (U), and L Pattern (L) available. Custom patterns available.

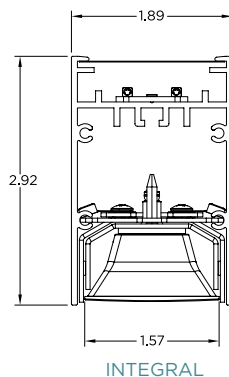
**MOUNTING** Adjustable 1/16” Aircraft Cable and 1/16” Aircraft Cable Rotational with precision-machined 1” rotational hub.

**APPROVALS** UL and cUL Listed. Approved for Dry/Damp locations. Made in the USA. JA8 Approved. BABA approved for most configurations.

**LUMEN MAINTENANCE** (L70) 70% of initial light output = Reported > 60,000 hours | Calculated > 200,000 hours (L90) 90% of initial light output = Reported > 60,000 hours | Calculated > 200,000 hours.

**WARRANTY** LGA 1 offered with a 5-year limited warranty. 5-year limited warranty covers LED, driver and fixture. For further details, refer to General Warranty and Obligations at [ExtantLighting.com](http://ExtantLighting.com).

## Dimensions

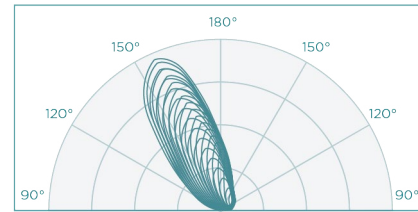


## Precision Refractive Optics (PRO)

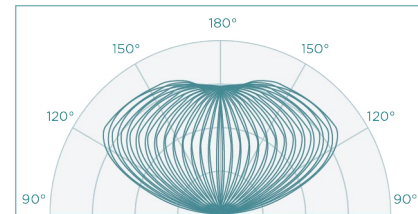
Precision Refractive Optics (PRO) are designed to produce precise optic control for diverse design applications. PRO Optics are only available in indirect orientation. PRO utilizes the latest in extruded lens technology that mount directly to the LED board channel to give optimum control.

Please Note: The PRO optics are not a diffused light source. LED pixelation will be seen with this optic choice. If you want a completely diffused light source with no pixelation or hot spots, see our Microstructure EdgeTech Optics (MEO)™ options. PRO optics are the more cost effective indirect solution.

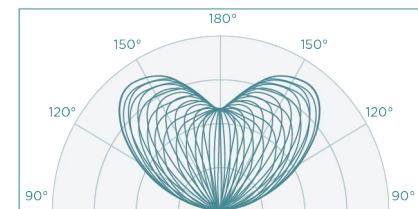
### INDIRECT



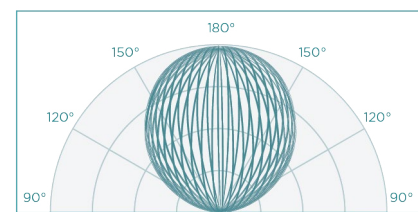
**PROAY**  
ASYMMETRIC



**PROWD**  
WIDE



**PROBW**  
BATWING



**PRODF**  
LAMBERTIAN

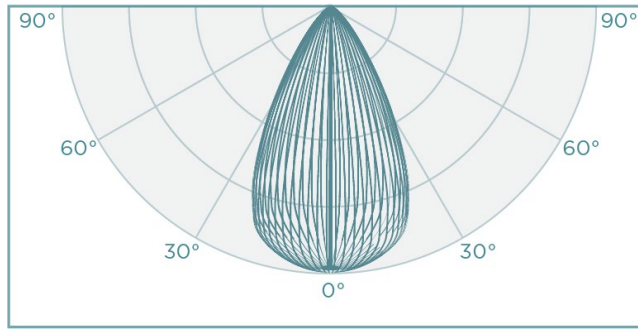


## Micro Optic Louver (MOL) and Point Source Louver (PSL)

The Micro Optic Louver (MOL) and Point Source Louver (PSL) designs integrate highly efficient 90+ CRI chips with cutting-edge louver technology for superior light management. These solutions deliver exceptional performance and enhanced visual comfort by minimizing glare and optimizing light distribution. Both designs are engineered to meet and exceed the Well Building standard for glare reduction.

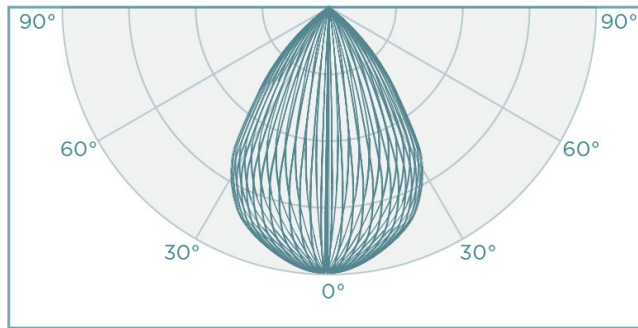
### MICRO OPTIC LOUVER (MOL) 60°:

Features a shallower louver for an “illuminated quiet” visual effect, offering precise optic control.



### POINT SOURCE LOUVER (PSL) 80°:

Provides a deeper louver with an “extra quiet” visual effect, also focusing on excellent optic control.

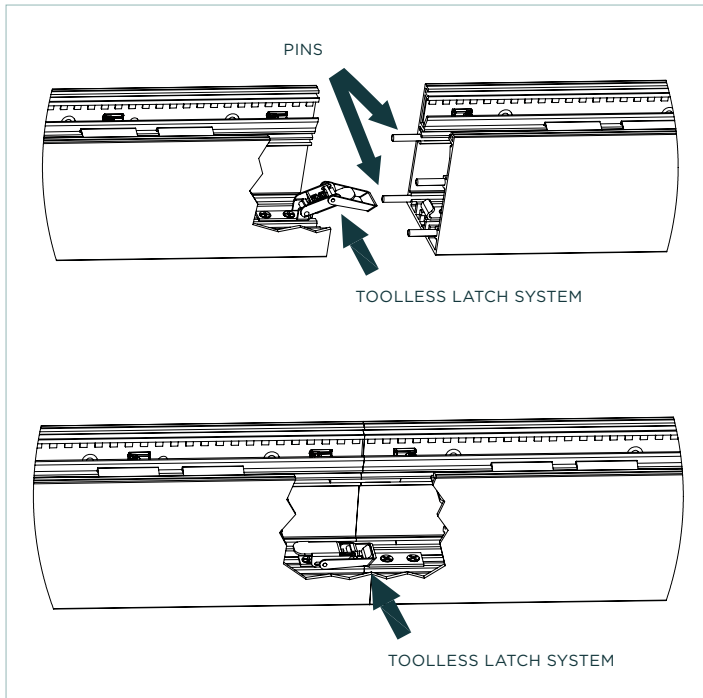


## Installation

Thoughtful engineering is at the core of all of our fixture designs. All of our products are thoughtfully engineered and include innovative features that create a sophisticated fixture that is also contractor friendly and easy to install and service.

### TOOLLESS LATCH SYSTEM

Our Toolless Latch System is designed to securely connect the extrusions of the continuous runs without the use of any tools, screws or external parts. Our innovative design allows the contractor to perfectly align the extrusion with the built-in alignment pins and cinch up the extrusion with the Toolless Latch System for a tight fit. The Toolless Latch System eliminates gaps and ensures perfect alignment.



### QUICK-CLICK 5-WIRE SYSTEM

Our Quick-Click 5-Wire System connects the continuous run through wiring with a simple push and click connection. The Quick-Click System is contractor friendly and decreases installation time and cost and ensures proper wiring.

