



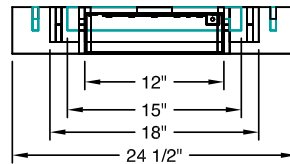
# Lattice Series | LATL 2x2 Acoustic

Date		Notes
Project		
Type	Qty	

## Features

- Elegantly combines noise control and illumination.
- LED optimized optics for smooth, efficient illumination.
- Programmable driver for custom lumen packages.
- 0-10V dimming to 1% standard or Dim-to-Off.
- DMX, Lutron and DALI protocols also available.
- Sensor Ready for wireless Smart Lighting Solutions.
- 80/90CRI, Tunable White, RGBW & RGBWW.
- Bios SkyBlue™ circadian solutions available.
- Compatible with Armstrong® ceiling systems.
- Decorative Sky Panel lenses available.

**Declare** Red List Approved.



## Ordering Guide



MODEL	OPTICS	CCT	LUMENS <sup>1</sup>	SIZE	MOUNTING <sup>2</sup>	FINISH	OPTIONS
<b>LATL-D</b>	<b>FL</b>			<b>22</b>			
LATL-D Direct	SI = Satin Ice Acrylic Lens	<b>STATIC WHITE</b> 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	LO = 2430L (21W, 122LPW)  SO = 3250L (28W, 120LPW)  HO = 4060L (35W, 116LPW)  <b>CUSTOM</b> For custom lumens specify value < HO.	22 = 2x2	AC = Aircraft Cable  PD = Pendant Stem  S = Surface Mount	W = White  CC = Custom Color  AMW = Anti-Microbial White	<b>ACOUSTIC OPTIONS<sup>3</sup></b> See page 2 for acoustic options  DIM10 = 0-10V (1%) Standard DTO = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming DIMSR = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX  <b>LUTRON™ DIMMING DRIVERS</b> LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire  <b>SENSORS &amp; CONTROLS<sup>3</sup></b> AVO = Avi-On Sensor AWNS = Lutron Athena Sensor ESN = EasySense Sensor CAS = Casambi Wireless Control  <b>EMERGENCY<sup>4</sup></b> EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery EPC6 = 6.5W Emergency Battery EPC10 = 10W Emergency Battery EPC12 = 12W Emergency Battery  <b>WIRING</b> FWH = Flexible Wiring Harness

<sup>1</sup>Lumens at 80CRI, 4000K, SI lens. Photometry page 3.

<sup>2</sup>See page 3 for all mounting options.

<sup>3</sup>All Sensor options remote mount only.

<sup>4</sup>EPC6 is standard unless otherwise specified. EPC not for DMX drivers.

**BAA** letter of compliance available at [www.dayolite.com](http://www.dayolite.com).

Day-O-Lite's acoustic options integrate energy efficient architectural lighting with advanced sound absorbing technology in a sustainable, eco-friendly solution. Functional, attractive and easy to install, Day-O-Lite's acoustic solutions are ideal for use in educational, office, commercial, theatre and lobby applications.



**HOW TO SPECIFY**

- 1) Select color code from color swatches above.
- 2) Enter completed code in Options section of Ordering Guide on page 1 of this Specification Sheet.

**SPECIFICATIONS**

- 100% Recyclable Polyester Material
- 1.6 Noise Reduction Coefficient (NRC)
- Class A Fire Rating
- Moisture and Mold Resistant
- UV Fade Resistant
- Stain repellent available

**DOWNLOADS**

- Visit [www.dayolite.com](http://www.dayolite.com) to download the following:
- Acoustic Test Report
- Letter of Apparent NRC
- Care and cleaning information
- Installation Guide

**ADDITIONAL INFORMATION**

Smoke, Pewter and Slate are standard colors; consult factory for lead-times on other colors. Acoustic panels ship affixed to luminaires and are held in place by stop-blocks and double-sided tape to prevent bowing. Onsite removal may result in damage and void warranty. Fixtures must be stored and installed in an interior dry location at a minimum of 52F.

**A NOTE ON SOUND ABSORPTION**

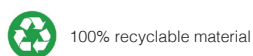
Per ASTM C423 there is no standard way to calculate sound absorption coefficients of non-standard shapes, sizes or spacing of material. Day-O-Lite's acoustic fixtures are tested using ASTM E795-16 Standard "Practices for Mounting Test Specimens During Sound Absorption Test", resulting in a noise reduction coefficient (NRC) unique to the test setup. When comparing sound suppressing materials those with a higher NRC will absorb more sound than those with a lower NRC, assuming the same test method is employed.

Additionally, more sound absorbing material in a space will result in greater sound suppression than less. Acoustic fixtures with 16" tall panels will be more effective at sound absorption than those with 8" or 12" high panels.

The full Acoustic Test Report, Certified Letter of Apparent NRC and Storage, Cleaning and Care information is available at [www.dayolite.com](http://www.dayolite.com) **CUSTOM ACOUSTICS**

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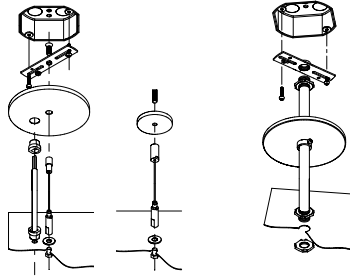
Acoustic Solutions may also be ordered in custom panel heights and with other custom modifications. Please contact Day-O-Lite directly to discuss your custom acoustic solutions today.



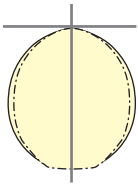
## Standard Suspensions

Standard suspension options include adjustable self-locking aircraft cables (AC) and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 60" 18 gauge power and 22 gauge dimming control SJT feed.

PD assemblies are 5/8" dia. (or 3/8" IP) hollow stem for power feed by others, 24" is standard. Consult factory for longer suspension lengths and other mounting options.



## Photometry



LATL-A-D-SI-40-**LO**-22  
 CCT: 4000K  
 WATTS: 20  
 LUMENS: 2430  
 LPW: 122

LATL-A-D-SI-40-**SO**-22  
 CCT: 4000K  
 WATTS: 27  
 LUMENS: 3250  
 LPW: 120

LATL-A-D-SI-40-**HO**-22  
 CCT: 4000K  
 WATTS: 35  
 LUMENS: 4060  
 LPW: 116

## Specifications

**CONSTRUCTION:** 20 gauge CRS housing and internal components. Extruded Aluminum divider rails with specular aluminum inserts.

**REFLECTOR:** 20 gauge CRS finished in highly reflective baked white enamel with pre-finished reflective LED tray.

**OPTICS:** LED optimized Satin Ice (SI) acrylic lay-in lenses.

**LED:** Static white LED modules in 30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum  $L_{70} = 50,000$  hours. 3 SDCM color consistency.

**DRIVER:** Standard driver is Class 2 AOC 0-10V to 1%, 120/277V input, PF > 90%, THD < 20 @ 120V. Additional dimming protocols available. All drivers prewired from factory for connection to control system (by others). Field replaceable.

**MOUNTING:** Standard installation is in an exposed inverted T-bar ceiling. Fixtures are supplied with four support brackets for additional support to T-bar. May also be installed in a plaster ceiling (F/TRL mounting option with Flange); field replaceable.

**FINISH:** Housing and components finished in baked white enamel.

**CERTIFICATION:** cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Suitable for dry & damp locations. Union Made in the United States of America, I.B.E.W, BAA compliant, Declare Red List Approved.

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