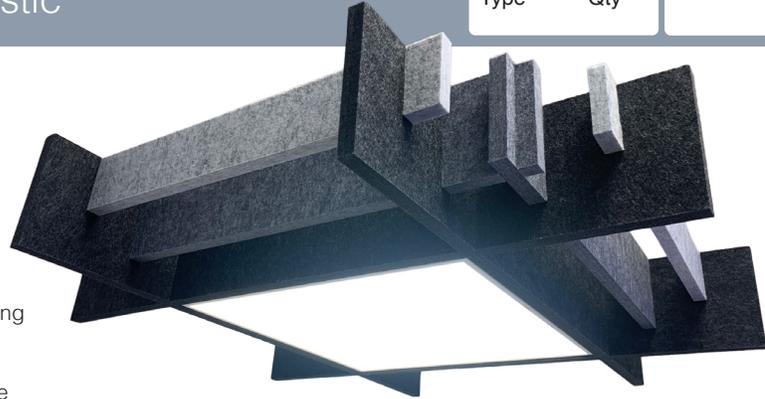




Lattice Series | LATL Acoustic

Date	Notes
Project	
Type	Qty



Features

Combines noise control and illumination in a simple lighting and acoustic solution.

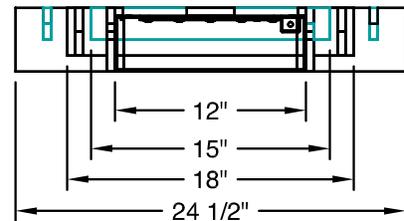
Boosts human performance by reducing distracting noise levels and reverberations.

Promotes an inviting space for personal wellbeing, focus and concentration.

Creates a decorative floating ceiling in otherwise open-ceiling interior applications.

A **Declare** Red List Approved product

Acoustic height is variable from 4" to 8"
See page three for ordering details.



Ordering Guide

MODEL	OPTICS	CCT	LUMENS	SIZE	MOUNTING ²	FINISH	OPTIONS
LATL-D	FL			22			
LATL-D Direct	SI = Satin Ice Acrylic Lens	STATIC WHITE¹ 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	1x1 LO = 1095L (11W, 104LPW) SO = 1460 (14W, 100LPW) HO = 1825L (18W, 100LPW) 2x2 LO = 2430L (21W, 122LPW) SO = 3250L (28W, 116LPW) HO = 4060L (35W, 116LPW) Consult factory for additional lumen packages. All values are nominal.	11 = 1x1 22 = 2x2	AC = Aircraft Cable PD = Pendant Stem S = Surface Mount	W = White CC = Custom Color AMW = Anti-Microbial White	ACOUSTIC OPTIONS³ See page 3 for acoustic options ordering codes and information. DIMMING DRIVERS DIM10 = 0-10V (1%) - Standard DIMSR = 0-10V (5.0%) Sensor Ready DIMST = Step Dimming (40%/100%) DALI = DALI (5.0%) LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume™ 1% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire SENSORS & CONTROLS (All Sensors remote mount) ESN = Philips™ EasySense DAY = Daylight Harvesting OCC = Occupancy Sensor VDO = Vive Sensor by Lutron EMERGENCY EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery Pack EPC7 = 7W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack

¹ CCT @ 80+CRI, 3SDCM. For 90CRI add prefix "9"; ex: 935 = 3500K, 90CRI.

² See page 2 for all suspension mounting options.

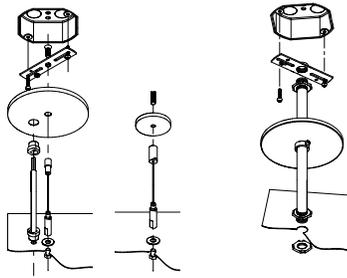
³ See page 3 for Acoustic Solutions options.



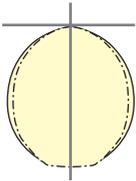
Standard Suspensions

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-11

CCT: 4000K
WATTS: 11
LUMENS: 1095
LPW: 104 LPW
Distribution:
100% Direct

LATL-A-D-SI-40-SO-11

CCT: 4000K
WATTS: 14
LUMENS: 1460
LPW: 100
Distribution:
100% Direct

LATL-A-D-SI-40-HO-11

CCT: 4000K
WATTS: 18
LUMENS: 1825
LPW: 100
Distribution:
100% Direct

LATL-A-D-SI-40-LO-22

CCT: 4000K
WATTS: 21
LUMENS: 2430
LPW: 122
Distribution:
100% Direct

LATL-A-D-SI-40-SO-22

CCT: 4000K
WATTS: 28
LUMENS: 3250
LPW: 116
Distribution:
100% Direct

LATL-A-D-SI-40-HO-22

CCT: 4000K
WATTS: 35
LUMENS: 4060
LPW: 116
Distribution:
100% Direct

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. BIOS SkyBlue, RGB, RGBW and Tunable White options available.

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: Luminaires are 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. RoHS compliant.

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.



CONFIGURE ORDERING CODE

- 1) Select color code from color swatches above.
- 2) Select height in 1" increments from 4" to 8".
- 3) Combine color & height. e.g., SK6 = Sky, 6" tall
- 4) Contact factory for ordering combined colors.

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 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 **CUSTOM ACOUSTICS**

CUSTOM ACOUSTICS

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.

