

DATE PROJECT

COMMENTS

CERTIFICATION



Manufactured in the USA

BAA Compliant

10-Year Warranty

2SA-D ACOUSTIC SUSPENDED DIRECT

AN EXTENSION OF OUR 2S SERIES

The 2SA Acoustic series is an architectural fusion of light and sound. The slim 2" aperture is paired with an acoustic baffle to provide versatile illumination and substantial sound dampening for a wide variety of commercial, civic, and educational spaces.

SOUND DAMPENING RATING

Sound Absorption: Average NRC 1.4
(Subject to mounting conditions)

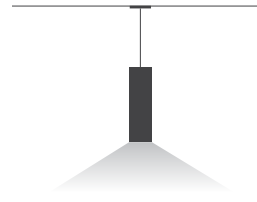
VERSATILITY

Lumen intensities range from 250-1250 lm/ft in 3000K, 3500K & 4000K CCT provides specifiers with accurate and powerful levels of illumination and color within each space.

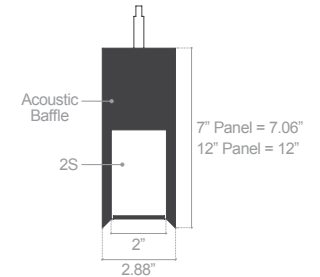
OPTICS

The back lit extruded acrylic lens ensures high efficiency light output in a minimal form factor for a clean, evenly illuminated direct surface with minimal glare.

DISTRIBUTION: DIRECT



CROSS-SECTION



SAMPLE PART NUMBER: 2SA-D-06-HD-35-UNV-JB-BLK-52-P12

ORDERING

SERIES	LENGTH ¹	DIRECT OUTPUT			CCT	VOLTAGE	MOUNTING		FIXTURE COLOR
2SA-D									
	02 2 FT	VHD 1250 LM/FT	LD 500 LM/FT	30 3000K	UNV 120-277V	T1 1" Grid	HC Hard Ceiling	WH White	
	04 4 FT	HD 1000 LM/FT	VLD 250 LM/FT	35 3500K	347² 347V	T9 9/16" Grid	JB Junction Box	BLK Black	
	06 6 FT	MD 750 LM/FT	CD Custom	40 4000K		SC Screw Slot		S Silver	
	08 8 FT							GR Charcoal Gray	

ACOUSTIC BAFFLE COLOR

PANEL HEIGHT

Colors

Textures

P07 7" Tall Panel

01 Blueberry	05 Blue Sky	11 Lemon	18 Granite	33 Slate	50 Dark Walnut	61 FRESH Plywood	65 Vista Walnut	P12 12" Tall Panel
02 Moss	06 Orange	12 Avocado	24 Snow	39 Earth	52 Ash	62 ITALIAN Walnut	66 WEATHERED Plywood	
03 Marble	07 Sand	13 Wine	25 Cherry	43 Ivory	53 Honey	63 MAIN STREET Elm		
04 Graphite	09 Onyx	15 Evergreen	26 Grape	46 Green Apple	54 Plywood	64 Planche Oak		

OPTIONS

CRI	SUSPENSION	INTEGRATED CONTROLS	EMERGENCY	ORDERING & OPTION NOTES
BLANK = 80 CRI	BLANK = 48" CABLE	CB144 144" Cables	OS Occupancy Sensor	1 Individual fixtures only, 2' minimum length, 8' maximum length
C90 90 CRI	CB96 96" Cables	BC Black Canopy & Cord	DOS Daylight Occupancy Sensor	2 347V not available with Emergency Battery (EM) option
			EM³ Emergency Battery	3 EM not available with 2' fixtures

2SA-D ACOUSTIC SUSPENDED

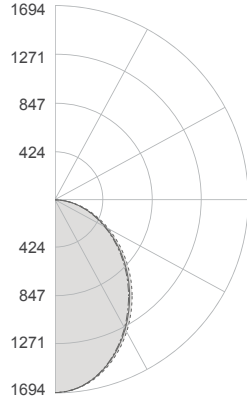
DIRECT



PHOTOMETRICS & ENERGY CHARTS

2SA-04-HD-35-UNV-XX-X

Total Lumens: 4,148
 Ratio: 0% Up & 100% Down
 Wattage: 38.8
 Efficacy: 106.9 LM/W
 Fixture Length: Four Feet



Direct (Lambertian) Light

	VHD:1250	HD:1000	MD:750	LD:500	VLD:250
Watts/ft	11.6	9.7	7.2	4.8	2.4
Lumens/ft	1194	1037	762	515	253
LPW	102.6	106.9	105.5	107.2	104.3

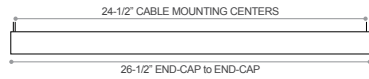
0-Deg -----
 45-Deg -----
 90-Deg -----

Zonal Lumen Summary

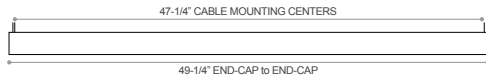
Zone	Lumens	% Fixt
0 - 30	1245.1	30.0
0 - 40	1982.2	47.8
0 - 60	3339.1	80.5
0 - 90	4147.4	100.0
90 - 180	0.8	0.0
0 - 180	4148.1	100.0

FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8'

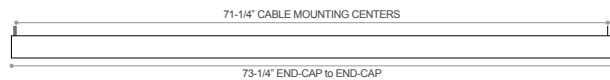
2' FIXTURE



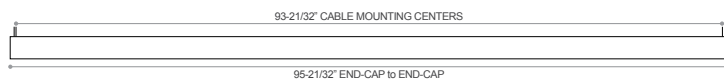
4' FIXTURE



6' FIXTURE



8' FIXTURE



ORDER LENGTH	CABLE MOUNTING CENTERS	ACTUAL OVERALL LENGTH
02	24.50	26.50
04	47.25	49.25
06	71.25	73.25
08	93.65	95.65

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ACOUSTIC BAFFLE OPTIONS

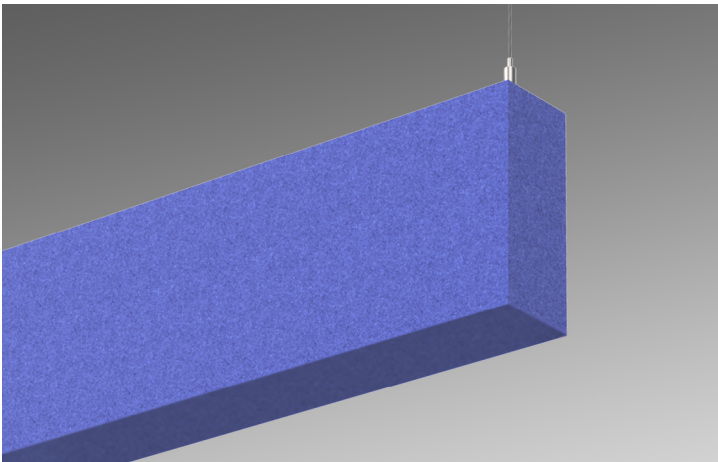
COLORS



TEXTURES



COMPLETE SERIES COLLECTION

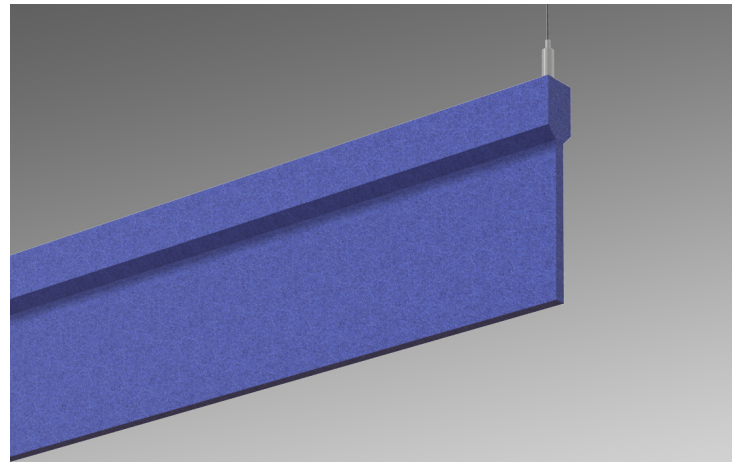


ACOUSTIC UNLIT BOX

Dimensions: 7.00" or 12.00"H x 2.875"W
 Mounting: Pendant or Magnetic Surface
 Sound Absorption: Average NRC 1.14 (Subject to mounting conditions)

[VIEW SPEC SHEET](#)

Learn more at: Lumato.com/Project/acoustic-unlit-box



ACOUSTIC UNLIT BLADE

Dimensions: 7.00" or 12.00"H x 1.13"W
 Mounting: Pendant or Magnetic Surface
 Sound Absorption: Average NRC 0.85 (Subject to mounting conditions)

[VIEW SPEC SHEET](#)

Learn more at: Lumato.com/Project/acoustic-unlit-blade

2SA-D ACOUSTIC SUSPENDED

DIRECT



SPECIFICATIONS

MECHANICAL

Housing Construction:

Extruded aluminum 6063-T5 alloy outer housing and our high-quality die-cast end caps are engineered to conceal all fasteners, and to retain the sealing gaskets on the inside of the fixture while completing the clean and minimalistic look of this luminaire.

Lengths:

The 2SA Acoustic is available in direct 2-foot increments. Individual 2-foot (24"), 4-foot (48"), 6-foot (72"), and 8-foot (96") lengths. Overall lengths with acoustic baffle are 2-foot (26.50"), 4-foot (49.25"), 6-foot (73.25") and 8-foot (95.65").

Mounting Method/Hardware:

Standard hanging hardware includes 1/16" diameter, galvanized steel aircraft cable with adjustable and lockable nickel-plated cable grippers and a white 18/5 S.J.T. power cord. The standard hardware includes a 60" power cord and 54" aircraft cables to accommodate a 48" mounting distance from the ceiling. Ceiling canopy provided. All suspension hardware is tested and listed to UL1598 requirements for loading/fixture support.

Suspension Components:

Fixtures are suspended by 1/16" galvanized aircraft cable. Cables are attached to the ceiling suspension point with a 1/4"-20 threaded ceiling cable barrel that incorporates a threaded ring to support the feed/hanger cable allowing access to the J-box/hanger without removal of the suspension cable allowing conductor inspection/service without having to support the fixture(s). Feed canopies are 5" O.D. and hanger canopies are 2" O.D. Cable lengths can be specified for 48", 96" and 144" suspension lengths. Ceiling type options are "T1" = T-Grid, "T9" = T-Grid, "SC" = Screw Slot Grid, "HC" = Hard Ceiling or "JB" = J-Box mount.

Fixture Trim Finish:

The 2SA fixture finish is available in White, Black, Silver, or Charcoal Gray polyester powder coat finish to ensure durability. Exposed, direct trim surrounding acrylic lens to be painted specified finish.

Acoustic Color:

The acoustic baffle is made of 100% polyester fiber. Available in the following Colors: Blueberry (01), Moss (02), Marble (03), Graphite (04), Blue Sky (05), Orange (06), Sand (07), Onyx (09), Lemon (11), Avocado (12), Wine (13), Evergreen (15), Granite (18), Snow (24), Cherry (25), Grape (26), Slate (33), Earth (39), Ivory (43), Green Apple (46). Available Textures: Dark Walnut (50), Ash (52), Honey (53), Plywood (54), Fresh Plywood (61), Italian Walnut (62), Main Street Elm (63), Planche Oak (64), Vista Walnut (65), Weathered Plywood (66)

Integral Controls:

The 2SA is available with optional integrated controls. Sensors are conveniently designed to mount in aperture and are located at the power feed end of each fixture.

OPERATION

Light Engine:

The 2SA Acoustic is available in 3000K, 3500K, and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 80+ with a 90+ CRI option available.

Direct Optics:

The back lit extruded acrylic lens ensures high efficiency light output in a minimal form factor for a clean, evenly illuminated surface with minimal glare.

Electrical:

Class 2 programmable (factory pre-set) premium power supply, 120-277VAC input. Power factor >0.9 THD<15%. Integral Surge Protection to 2KV.

Dimming:

The 2SA Acoustic comes standard with 0-10V dimming to 1%.

Emergency Battery Pack:

Emergency Battery pack has been engineered to exceed UL Minimum Safety Standards. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack. For 8' VHD, only the first portion of the fixture will be illuminated by the EM battery pack.

PERFORMANCE

Acoustic Materials:

All raw materials are sustainably sourced from carefully selected vendors within the USA and abroad. All acoustic felt is made from low-VOC, 60% recycled PET polyester felt material. Hardware, fasteners, and frame components are also made from recycled aluminum. Frames are custom ordered in standardized sizes to prevent waste in the supply chain.

All Lumato Acoustic products are free of allergens, irritants, and coatings/sprays that degrade or give off VOC's. All acoustic materials also meet ASTM E84 Class A, Flame Spread 40.

Product Maintenance:

Our acoustic baffles and panels are inherently easy to maintain. They can be wiped down with a damp cloth or vacuumed as needed.

If a stain does appear, warm water and soap can be used to gently blot the area affected.

Acoustic baffles and panels are 100% recyclable at end of life.

GENERAL

Warranty:

Ten (10) year limited warranty from date of shipment, covers LED's, driver and luminaire. Two (2) year limited warranty for the acoustic baffle. Optional accessories are covered by their individual manufacturer warranties.

Lumen Maintenance:

Rated for 85% initial lumen output (L85) at 90,000 hours of operation, operated at 25°C ambient temperatures; per TM-21 Guidelines published by the Illuminated Engineering Society (IES).

Certification:

All luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

Acoustic Baffle Fire Rating:

ASTM E84 Class A Fire Spread rating is permanently achieved by infusing 40% new material into the panel. Our manufacturing process never uses sprays or coatings that degrade or lose their rating status.

Manufactured in the USA:

All Lumato luminaires and components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA. All luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

Shipping:

6-Week lead-time for orders up to 1000 linear feet. Lead-time for orders greater than 1000 linear feet will be determined at time of order.