ACOUSTIC
SERIES

Lumato
Light Without Boundaries

DATE	PROJECT
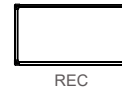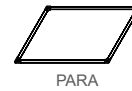
COMMENTS

GEO PLANE SUSPENDED
DIRECT WITH ACOUSTIC

AN EXTENSION OF OUR **ACOUSTIC & GEO** SERIES

AVAILABLE GEO SHAPES

PARA	REC	HEX	TRI	SQR

FEATURES

The GEO Plane series is an architectural fusion of light and sound. Combined with GEO, PLANE provides specifiers with a creative lighting option to add depth and shape to a space while incorporating high acoustical performance and top-line aesthetics. Pair with unlit PLANE to provide substantial sound dampening for a wide variety of commercial, civic, and educational spaces.

VERSATILITY
Lumen intensities range from 250-1000 lm/ft in 3000K, 3500K & 4000K CCT provides specifiers with accurate and powerful levels of illumination and color within each space. Supplied with remote power unit with easy to access wiring compartments

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

OPTICS
A seamless and elegant roll in lens for the direct illumination provides uniform light distribution, controls glare, and eliminates light leaks.

PERFORMANCE
Up to 117 LPW at 90 CRI.

SAMPLE PART NUMBER: GEOP-D-PARA13-HD-30-UNV-T1-WH-03-C90

ORDERING

SERIES	PATTERN			DIRECT OUTPUT		CCT		VOLTAGE		MOUNTING		FIXTURE COLOR	
GEOP-D													
	PARA13 1' x 3' PARALLELOGRAM	REC14 1' x 4' RECTANGLE	TRI-2 2' TRIANGLE	HD	1000 LM/FT	30	3000K	UNV	120-277V	T1	1" Grid	WH	White
	PARA14 1' x 4' PARALLELOGRAM	REC16 1' x 6' RECTANGLE	TRI-3 3' TRIANGLE	MD	750 LM/FT	35	3500K	347²	347V	T9	9/16" Grid	BLK	Black
	PARA16 1' x 6' PARALLELOGRAM	REC23 2' x 3' RECTANGLE	TRI4 4' TRIANGLE	LD	500 LM/FT	40	4000K			SC	Screw Slot	S	Silver
	PARA23 2' x 3' PARALLELOGRAM	REC24 2' x 4' RECTANGLE	SQR2 2' x 2' SQUARE	VLD¹	250 LM/FT					HC	Hard Ceiling	GR	Charcoal Gray
	PARA24 2' x 4' PARALLELOGRAM	REC26 2' x 6' RECTANGLE	SQR3 3' x 3' SQUARE	CD	Custom					JB	Junction Box		
	PARA26 2' x 6' PARALLELOGRAM	HEX2 2' Diameter HEXAGON											
	REC13 1' x 3' RECTANGLE	HEX4 4' Diameter HEXAGON											

ACOUSTIC BAFFLE COLOR

Colors

03	Marble	12	Avocado	18	Granite	33	Slate	92	Denim	192	Ocean
04	Graphite	13	Wine	21	Cream	39	Earth	93	Sage		
07	Sand	14	Biscuit	22	Khaki	40	Coffee	157	Midnight		
09	Onyx	15	Evergreen	24	Snow	43	Ivory	191	Stone		

Textures

50	Dark Walnut	61	FRESH Plywood	65	Vista Walnut
52	Ash	62	ITALIAN Walnut	66	WEATHERED Plywood
53	Honey	63	MAIN STREET Elm		
54	Plywood	64	Planche Oak		

OPTIONS

CRI	SUSPENSION³		EMERGENCY⁴	
C90				
C90 90 CRI	**BLANK = 48" CABLE**	CB144 144" Cables	EM	Emergency Battery CEC LISTED
	CB96 96" Cables	BC Black Canopy & Cord	EC	Emergency Circuit

ORDERING & OPTION NOTES

1 VLD not available on 2' length

2 EM not available with 347V

3 For cable lengths longer than 144". Consult factory.

4 Contact factory for Emergency Battery (EM) and Circuit (EC) options with patterns. Factory drawings approval required.

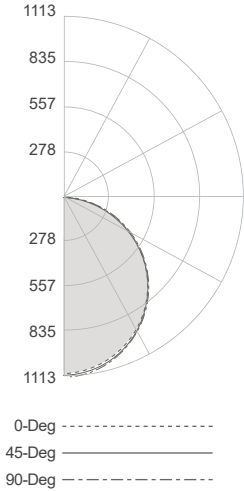**1**

GEO PLANE SUSPENDED
DIRECT WITH ACOUSTIC

Lumato
Light Without Boundaries

Manufactured in the USA | Sure-Fit Alignment | Hidden Connect | Vertically Integrated Manufacturing | Seamless Lens | Extruded Aluminum Housing | Remote Power Supply | Acoustic Baffle | Standard 90+ CRI
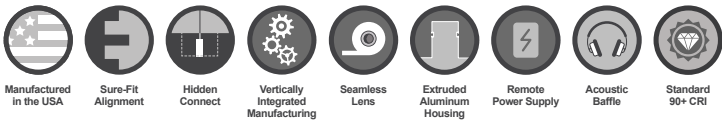
GEOP-D-XX-MD-35-UNV-XX-C90

Distribution: Direct

Total Lumens: 3028

Ratio: 0% Up & 100% Down

Wattage: 26.2

Efficacy: 116 LM/W

Fixture Length: Four Feet

UGR: 25
4H X 8H Cross wise, Reflectance - Ceiling: 0.7, Wall: 0.5, Floor: 0.2

Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	839	27.7%
0 - 40	1359	44.9%
0 - 60	2367	78.2%
0 - 90	3027	100%
90 - 180	0	0%
0 - 180	3028	100%

Polar plot values: 1113, 835, 557, 278, 278, 557, 835, 1113

0-Deg - - - - - - - -
45-Deg ————
90-Deg - · - · - · - · -

Direct (Lambertian) Light at 90 CRI

	HD:1000	MD:750	LD:500	VLD:250	SLD:125
Watts/ft	8.8	6.6	4.4	2.3	1.1
Lumens/ft	980	757	514	269	124
LPW	110.9	115.6	115.8	117.6	112.7

Lumen Adjustment Calculations

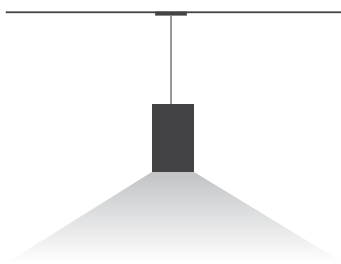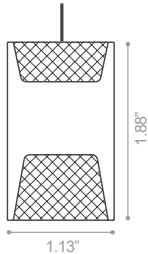| LUMEN MULTIPLIERS	
3000K	0.995
3500K	1.000
4000K	1.023

Example: MD Output, 3000K at 90CRI

Total Light Output: 3028 x 0.995 = 3013 lm

Total Light Output Per Foot: 757 x 0.995 = 753 lm/ft
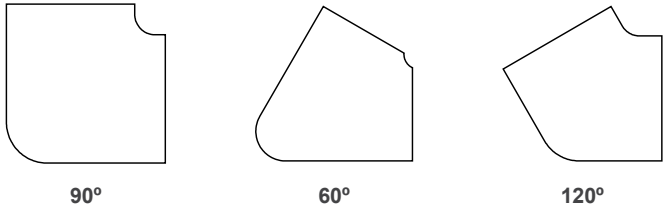
Efficacy = 753 / 6.6 = 114 lm/W

DISTRIBUTION: DIRECT

CROSS-SECTION

1.88"
1.13"

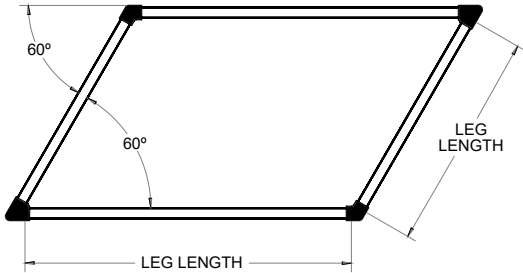90°   60°   120°

PARA
(2) 60° and (2) 120° Corners

60°
60°
LEG LENGTH
LEG LENGTH

Product Dimensions

ORDERING	LEG LENGTH
PARA-13	1' & 3'
PARA-14	1' & 4'
PARA-16	1' & 6'
PARA-23	2' & 3'
PARA-24	2' & 4'
PARA-26	2' & 6'

GEO PLANE SUSPENDED
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Lumato
Light Without Boundaries

Manufactured in the USA	Sure-Fit Alignment	Hidden Connect	Vertically Integrated Manufacturing	Seamless Lens	Extruded Aluminum Housing	Remote Power Supply	Acoustic Baffle	Standard 90+ CRI
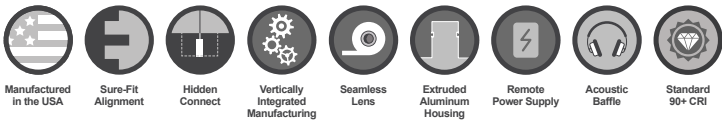
STANDARD PRODUCT INFORMATION

REC
(4) 90° Corners
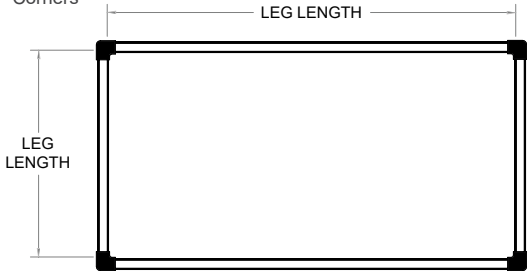
Product Dimensions

ORDERING	LEG LENGTH
REC-13	1' & 3'
REC-14	1' & 4'
REC-16	1' & 6'
REC-23	2' & 3'
REC-24	2' & 4'
REC-26	2' & 6'

HEX
(6) 120° Corners
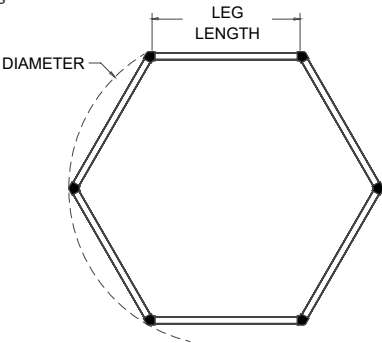
Product Dimensions

ORDERING	DIAMETER	LEG LENGTH
HEX-2	2'	1'
HEX-4	4'	2'
HEX-6	6'	3'
HEX-8	8'	4'

TRI
(3) 60° Corners
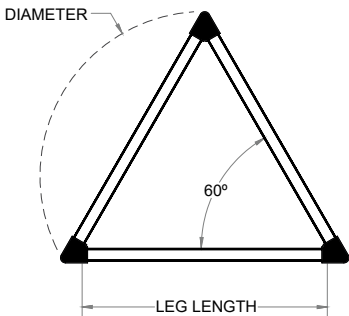
Product Dimensions

ORDERING	DIAMETER	LEG LENGTH
TRI-2	2' 9"	2'
TRI-3	4'	3'
TRI-4	5' 1"	4'

SQR
(4) 90° Corners
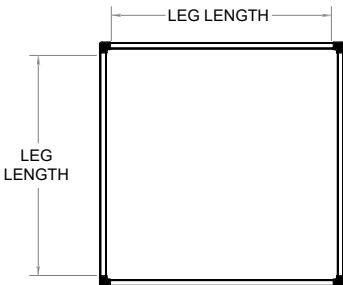
Product Dimensions

ORDERING	LEG LENGTH
SQR-2	2'
SQR-3	3'

GEO PLANE SUSPENDED
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Manufactured in the USA | Sure-Fit Alignment | Hidden Connect | Vertically Integrated Manufacturing | Seamless Lens | Extruded Aluminum Housing | Remote Power Supply | Acoustic Baffle | Standard 90+ CRI
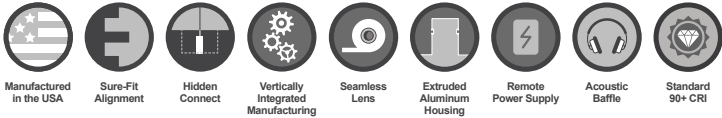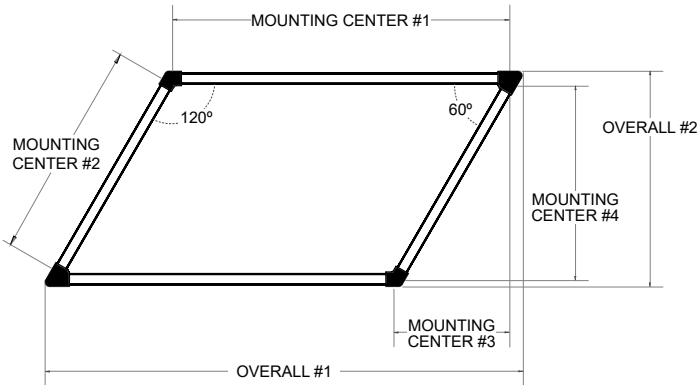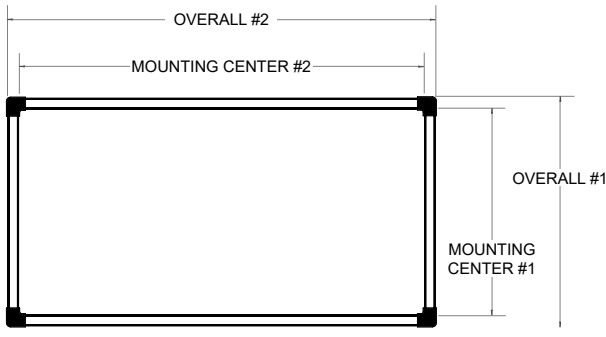
PARA

SIZE/DISTRIBUTION		PARA-13 DIRECT & INDIRECT / DIRECT	PARA-14 DIRECT & INDIRECT / DIRECT	PARA-16 DIRECT & INDIRECT / DIRECT	PARA-23 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	36.9	48.9	72.9	36.9
	#2	14.0	14.0	14.0	26.2
	#3	7.0	7.0	7.0	13.0
	#4	12.2	12.2	12.2	22.7
OVERALL	#1	47.3	59.4	83.3	53.4
	#2	14.5	14.5	14.5	25.0

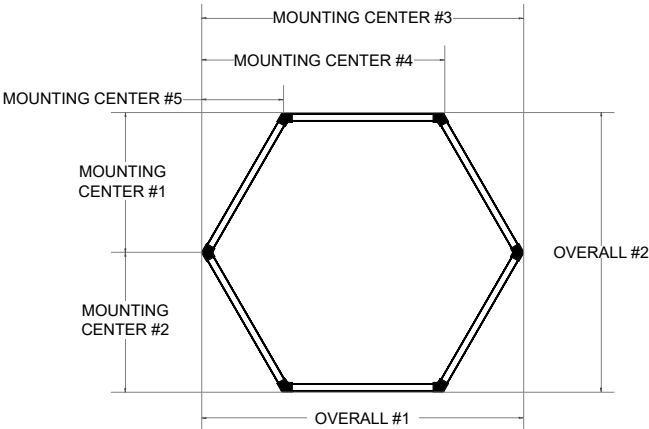| SIZE/DISTRIBUTION		PARA-24 DIRECT & INDIRECT / DIRECT	PARA-26 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	48.9	72.9
	#2	26.2	26.2
	#3	13.0	13.0
	#4	22.7	22.7
OVERALL	#1	65.4	89.4
	#2	25.0	25.0

REC

SIZE/DISTRIBUTION		REC-13 DIRECT & INDIRECT / DIRECT	REC-14 DIRECT & INDIRECT / DIRECT	REC-16 DIRECT & INDIRECT / DIRECT	REC-23 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	14.3	14.3	14.3	26.5
	#2	37.2	49.2	19.2	37.2
OVERALL	#1	16.4	16.4	16.4	28.5
	#2	39.3	51.3	75.3	39.3

SIZE/DISTRIBUTION		REC-24 DIRECT & INDIRECT / DIRECT	REC-26 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	26.5	26.5
	#2	49.2	19.2
OVERALL	#1	28.5	28.5
	#2	51.3	75.3

HEX

SIZE/DISTRIBUTION		HEX-2 DIRECT & INDIRECT / DIRECT	HEX-4 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	12.1	22.6
	#2	12.1	22.6
	#3	28.2	52.3
	#4	21.2	39.2
	#5	7.0	13.1
OVERALL	#1	30.6	54.7
	#2	26.3	47.2

Rev 1 July 2025

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DIRECT WITH ACOUSTIC

Manufactured in the USA · **Sure-Fit Alignment** · **Hidden Connect** · **Vertically Integrated Manufacturing** · **Seamless Lens** · **Extruded Aluminum Housing** · **Remote Power Supply** · **Acoustic Baffle** · **Standard 90+ CRI**
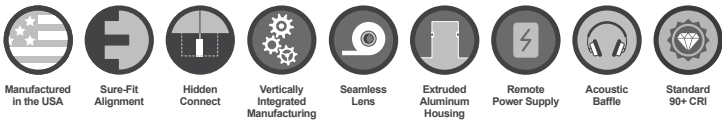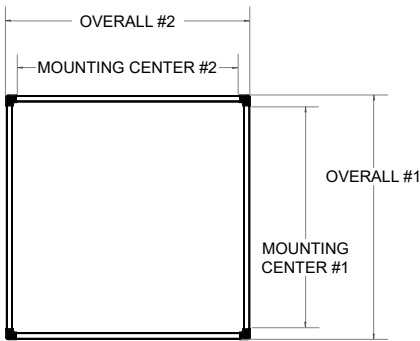
TRI
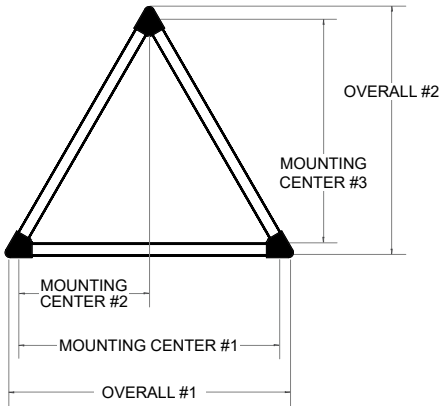
SIZE/DISTRIBUTION		TRI-2 DIRECT & INDIRECT / DIRECT	TRI-3 DIRECT & INDIRECT / DIRECT	TRI-4 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	26.1	36.9	48.9
	#2	13.1	18.4	24.4
	#3	22.6	31.9	42.3
OVERALL	#1	29.5	40.3	52.3
	#2	25.7	35.0	45.4

SQR

SIZE/DISTRIBUTION		SQR-2 DIRECT & INDIRECT / DIRECT	SQR-3 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	26.5	37.2
	#2	26.5	37.2
OVERALL	#1	28.5	36.3
	#2	28.5	36.3

REMOTE DRIVER MOUNTING OPTIONS: DETERMINED BY MOUNTING TYPE

ABOVE GRID: T1 - T9 - SC
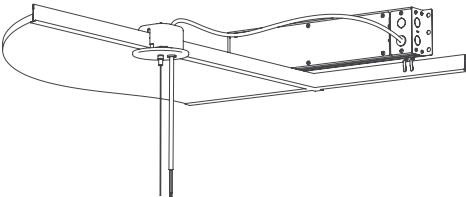
HARD CEILING: HC
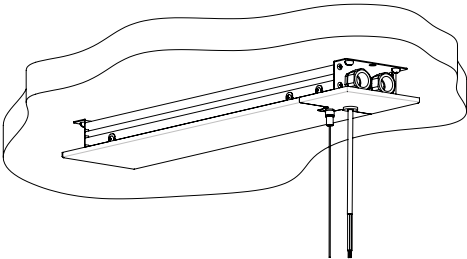
J-BOX: JB
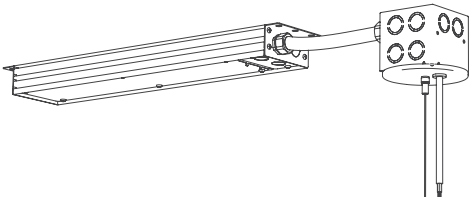
Rev 1 July 2025

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Manufactured in the USA | Sure-Fit Alignment | Hidden Connect | Vertically Integrated Manufacturing | Seamless Lens | Extruded Aluminum Housing | Remote Power Supply | Acoustic Baffle | Standard 90+ CRI

SHORT REMOTE POWER UNIT

23.1"
1.9"
4.3"
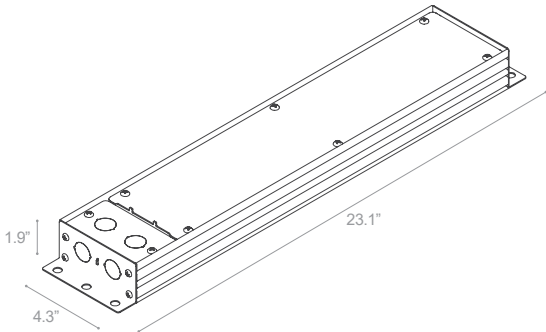
DISTRIBUTION	SHORT REMOTE POWER UNIT	LONG REMOTE POWER UNIT
Indirect/Direct (GEOP-ID)	X	X
Direct (GEOP-D)	X	X
MOUNTING		
Hard Ceiling	X	X
Grid (T1 - T9 - SC)	X	X
J-Box	X	X
ADD-ON OPTIONS		
Emergency Battery Pack (EM)		X
Emergency Circuit (EC)	X	X
IC RATED		
Approved		X

LONG REMOTE POWER UNIT

42.1"
1.9"
4.3"

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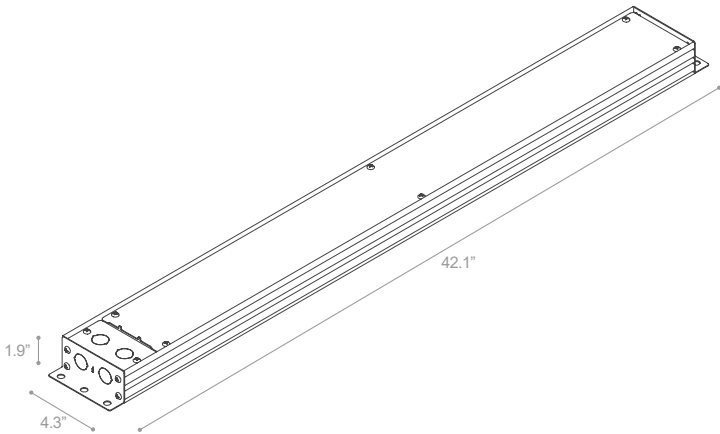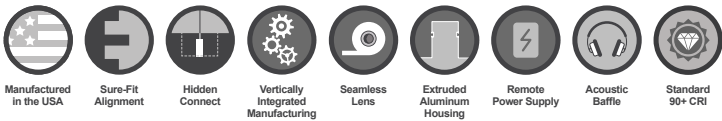
COLORS

03 Marble	**04** Graphite	**07** Sand	**09** Onyx	**12** Avocado
13 Wine	**14** Biscuit	**15** Evergreen	**18** Granite	**21** Cream
22 Khaki	**24** Snow	**33** Slate	**39** Earth	**40** Coffee
43 Ivory	**92** Denim	**93** Sage	**157** Midnight	**191** Stone
192 Ocean				

TEXTURES

50 Dark Walnut	**52** Ash
53 Honey	**54** Plywood
61 Fresh Plywood	**62** Italian Walnut
63 Main Street Elm	**64** Planche Oak
65 Vista Walnut	**66** Weathered Plywood

PLANE SERIES WITH GEO SERIES

Suspended GEO Hexagon
Shown with Khaki (22) PLANE Acoustic
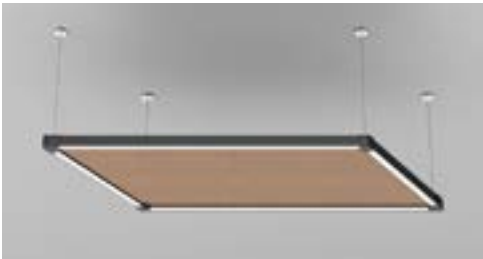
Suspended GEO Parallelogram
Shown with Honey (53) PLANE Acoustic

Suspended GEO Rectangle
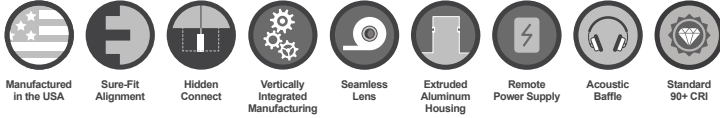*Shown with Graphite (04) PLANE Acoustic*

Suspended GEO Square
Shown with Sage (93) PLANE Acoustic

Suspended GEO Triangle
Shown with Coffee (40) PLANE Acoustic

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COMPLETE SERIES COLLECTION

SLEK ACOUSTIC (Distribution: Direct)
Dimensions: 7.00" or 12.00"H x 2.13"W
Mounting: Suspended
Sound Absorption: Average NRC 1.4
(Subject to mounting conditions)

VIEW SPEC SHEET

Learn more at: Lumato.com/project/slek-acoustic-suspended/

2SA ACOUSTIC (Distribution: Direct, Indirect/Direct)
Dimensions: 7.00" or 12.00"H x 2.88"W
Mounting: Suspended
Sound Absorption: Average NRC 1.4
(Subject to mounting conditions)
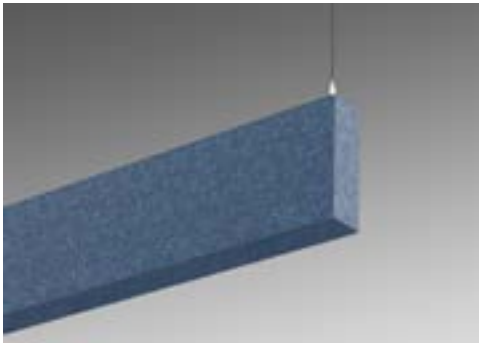
VIEW 2SA-D SPEC SHEET
VIEW 2SA-ID SPEC SHEET

Learn more at:
Lumato.com/project/2sa-d-suspended/
Lumato.com/project/2sa-id-suspended/

PLANE UNLIT
Circle, Para, Rectangle, Hex, Triangle, Square
Mounting: Suspended
Sound Absorption: Average NRC 0.85
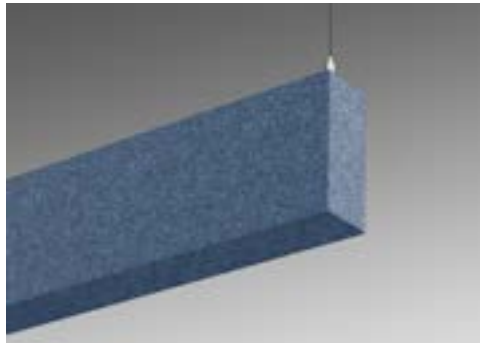(Subject to mounting conditions)

VIEW SPEC SHEET

Learn more at: Lumato.com/project/plane-suspended/

ACOUSTIC UNLIT MINI BOX
Dimensions: 7.00" or 12.00"H x 2.13"W
Mounting: Pendant
Sound Absorption: Average NRC 1.4
(Subject to mounting conditions)

VIEW SPEC SHEET

Learn more at: Lumato.com/project/acoustic-box-mini/

ACOUSTIC UNLIT BOX
Dimensions: 7.00" or 12.00"H x 2.88"W
Mounting: Pendant
Sound Absorption: Average NRC 1.4
(Subject to mounting conditions)

VIEW SPEC SHEET

Learn more at: Lumato.com/project/acoustic-box/

ACOUSTIC UNLIT BLADE
Dimensions: 7.00" or 12.00"H x 1.13"W
Mounting: Pendant
Sound Absorption: Average NRC 0.75 - 1.15
(Subject to mounting conditions)

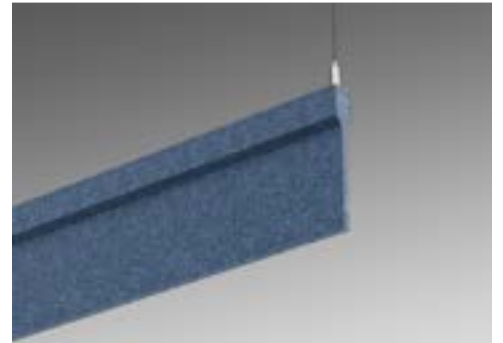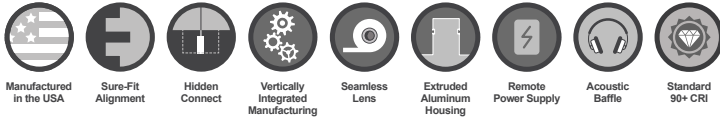**VIEW SPEC SHEET**

Learn more at: Lumato.com/project/acoustic-blade/

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MECHANICAL

Housing Construction:
Extruded Aluminum 6063-T5 alloy outer housing and our high-quality connectors 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. The Acoustic PLANE is made of 100% polyester fiber acoustic felt and is available in 5 different shapes.

Mounting Method/Hardware:
Standard hanging hardware includes 1/16" diameter, galvanized steel aircraft cable with adjustable and lockable nickel-plated cable grippers at the luminaire. White or black 18/4 cord carries low voltage to luminaire. The standard hardware includes a 57" power cord and 60" aircraft cables to accommodate a 48" mounting distance from the ceiling. All Lumato suspension hardware meets the UL1598 requirements for loading/fixture support. Ceiling Canopy hardware provided. For Geo Plane, sheet metal brackets installed on the edge of the baffles that install onto the GEO housing.

Exterior Finish:
The GEO is available in White, Black, Silver, or Charcoal Grey polyester powder coat finish to ensure durability. Luminaires are available in any RAL color as an option.

Acoustic Color:
The acoustic baffle is made of 100% polyester fiber. Available in the following Colors: Marble (03), Graphite (04), Sand (07), Onyx (09), Avocado (12), Wine (13), Biscuit (14), Evergreen (15), Granite (18), Cream (21), Khaki (22), Snow (24), Slate (33), Earth (39), Coffee (40), Ivory (43) Denim (92), Sage (93), Midnight (157), Stone (191), Ocean (192). 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).

Corner Joints:
Fully machined aluminum corner joints with 2 mounting screws per fixture to provide strength. A sheet metal connector cover connects the multiple fixtures and hanging hardware together. This allows easy install and final wiring. Wiring is completed prior final corner joint is installed. Corner joint and sheet metal connector cover are joined with a ¼-20 screw.

OPERATION

Remote Power Unit:
Remote Power Unit powers only one luminaire at a time. In row configurations, one power unit is required for each luminaire. Easy to access wiring compartments for fast and easy installation. Line voltage and low voltage wire compartments.

Remote Box Mounting Configurations:

- Above T-Grid with supplied clips
- Decorative surface mount on hard sheet rock construction
- Recessed in hard sheet rock construction (IC Rated)
- J-Box Mounted

Light Engine:
The GEO is available in 3000K, 3500K, and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 90+.

Lower Optics:
Our frosted acrylic roll in lens is designed to maximize efficiency while minimizing glare and eliminating light leak at fixture joints. Fixtures come with lens installed.

Upper Optics:
The upper optics consist of an extruded acrylic lens that provides a ultra-wide batwing distribution to produce a more evenly illuminated ceiling and wider spacing of luminaires.

Electrical:
Electrical connections at fixture are preinstalled with low voltage wiring. Class 2 programmable (factory pre-set) premium power supply, 120-277VAC OR 347V input. Power factor >0.9. THD <15%. Integral Surge Protection to 2KV.

Dimming:
The GEO comes standard with 0-10V dimming to 1%.

PERFORMANCE

Acoustic Material:
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. Frames are custom ordered in standardized sizes to prevent waste in the supply chain.

All Lumato 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 Maintenace:
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.

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.

GENERAL

Warranty:
Ten (10) year limited warranty from date of shipment, covers LED's, driver, and luminaire. Optional accessories are covered by their individual manufacturers' warranties. Two (2) year limited warranty from date of shipment. 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 25ºC ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).

Certification:
All Luminaires and Remote Power Unit are UL and cUL Listed, approved for Dry/Damp locations.

Remote Driver Box may be IC rated as an option. Contact Lumato for more information.

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:
6-8 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.