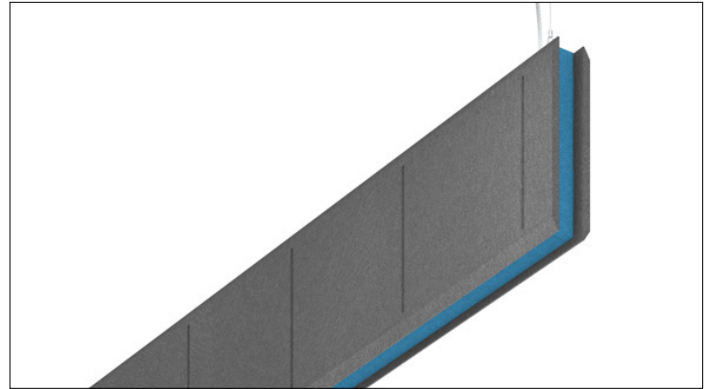


3G LIGHTING

3G-1PLA-I

1.5" ACOUSTIC PENDANT
LINIA INDIRECT ONLY



Acoustic body and edge fabricated with 1/2" thick acoustic felt. Available in 20 colors
1.5" aperture with one piece extruded aluminum housing
Available in 4', 5', 6', and 8' lengths with 12" or 16" height options
Indirect distribution with multiple lumen output options
LED system with performance up to 148 lumens per watt
Extruded acrylic lens with optimal performance and glare control
Widespread and Asymmetric optics available
1% dimming standard with several driver options

PROJECT:		TYPE:	
CATALOG#:		DATE:	QTY:

CAT. NO	FIXTURE HEIGHT	LUMEN OUTPUT	CRI	COLOR TEMP
3G-1PLA-I	12H - 12" HEIGHT	L250 - 250LM/FT	S80 - 80+ CRI ²	27K - 2700K
	16H - 16" HEIGHT	L500 - 500LM/FT L750 - 750LM/FT L1000 - 1000LM/FT ¹ LC__ - CUSTOM OUTPUT * (SPECIFY LM/FT) <small>*Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed L1000</small>	H90 - 90+ CRI	30K - 3000K 35K - 3500K 40K - 4000K

VOLTAGE	DRIVER	LENS OPTION	HOUSING FINISH
UNV - 120/277V 347 - 347V ³	DIM - 0-10V (100-1%) D01 - 0-10V (100-0.1%) DALI - DALI (100-1%) ⁴ DHL2 - LUTRON HI LUME (1% ECOSYSTEM)	FL - FLUSH LENS WSO - WIDESPREAD OPTIC ASY - ASYMMETRIC OPTIC	WH - WHITE

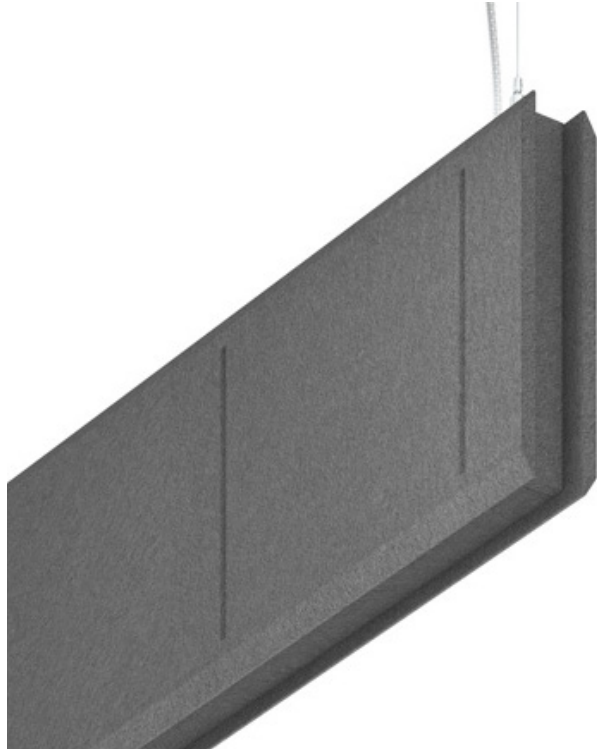
ACOUSTIC COLOR OPTIONS	ACOUSTIC BODY	ACOUSTIC EDGE	CABLE LENGTH	RUN TYPE
1CL - SINGLE COLOR (SAME COLOR FOR BODY AND EDGE) 2CL - DUAL COLOR (DIFFERENT COLORS FOR BODY AND EDGE)	BXX - (SEE PAGE 2 FOR ALL COLORS)	EXX - (SEE PAGE 2 FOR ALL COLORS) <small>*Option 2CL to be selected with this option</small>	60 - 60" 120 - 120"	S(4') - 4' S(5') - 5' S(6') - 6' S(8') - 8'

¹ L1000 (1000LM/FT) not available with H90 (90+ CRI)
² S80 (80+ CRI) not available with 27K
³ 347 available in "DIM" 0-10V only (100-1%)
⁴ DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

SINGLE COLOR OPTION

SPECIFY ONE COLOR FOR THE ACOUSTIC BODY AND EDGE

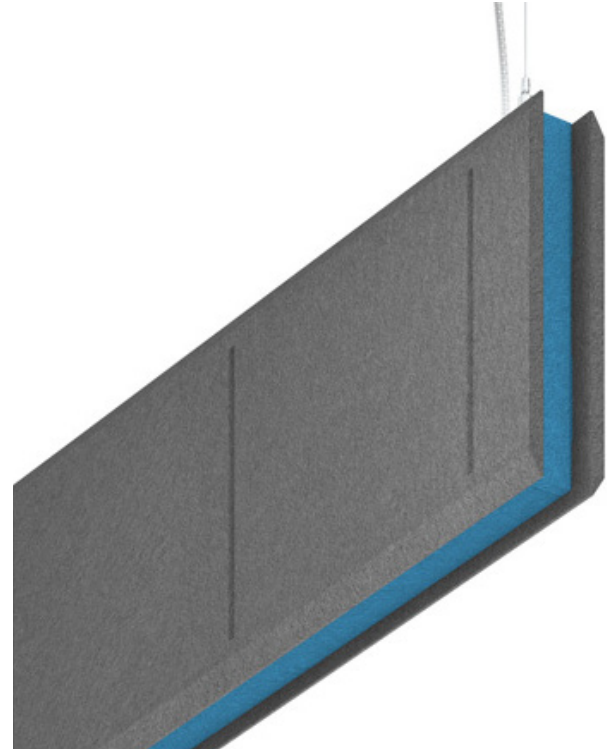
Acoustic Body and Edge shown with "BRG" (Rhino grey)



DUAL COLOR OPTION

SPECIFY TWO DIFFERENT COLORS FOR THE ACOUSTIC BODY AND EDGE

Acoustic Body shown with "BRG" (Rhino grey)
Acoustic Edge shown with "ETU" (Turquoise)



ACOUSTIC BODY COLORS

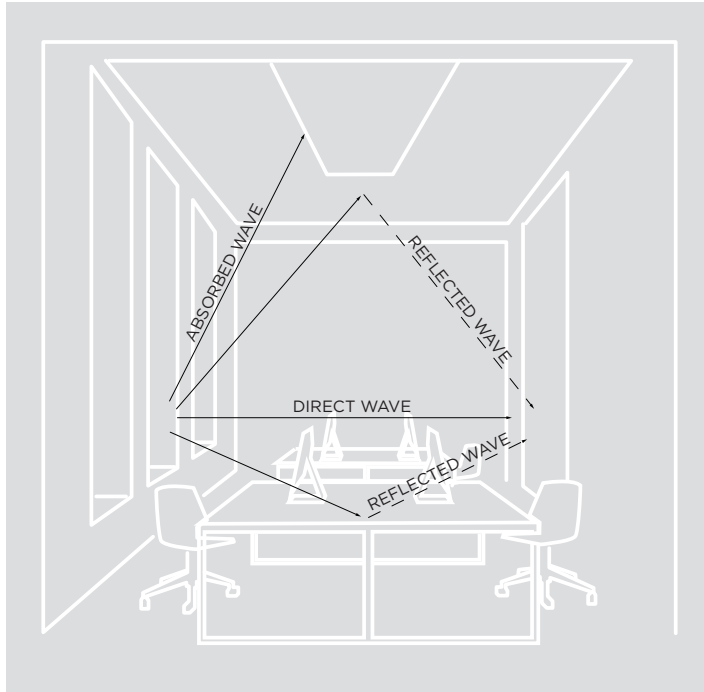


OPTIONAL EDGE COLORS



SOUND WAVE IN A GIVEN SPACE

When a sound wave is emitted from its source, it propels in all directions. The sound carries in a space unless it comes across an obstruction or an absorbing element such as carpeting, or upholstery. Harder materials will enable sound waves to reverberate in the space for a longer period of time. A sound can be direct like a face to face conversation and it can be reflected back from a hard surface.



REVERBERATION

The persistence of sound after it has been stopped due to multiple reflections from surfaces within a closed space



T60 : REVERBERATION TIME

The time it takes for a sound to decay by 60 dB once the source of sound has stopped. Reverberation time is the basic acoustical property of a room which depends only on its dimensions and the absorptive properties of its surfaces and contents. An acceptable value for class rooms and libraries ranges between 0.5-0.9 seconds. A suitable value for open offices and conference rooms ranges between 0.7 and 1.25 seconds



NRC - NOISE ABSORPTION COEFFICIENT

The Noise Reduction Coefficient is a scalar representation of the amount of sound energy absorbed upon striking a particular surface. an NRC of 0 indicates perfect reflection. an NRC of 1 indicates perfect absorption. Higher number equals better performance.



SABIN

A unit of sound absorption based on one square foot of material. Products with higher Sabin values provide more sound absorption.

SABIN COUNT

The sum total of the absorption coefficients in a room. Stronger NRC values will deliver higher Sabin counts.

ACOUSTIC PERFORMANCE

FIXTURE LENGTH	FIXTURE HEIGHT	SABINS PER OBJECT @ A GIVEN FREQUENCY				
		250hz	500hz	1000hz	2000hz	AVERAGE
4FT	12IN	2.30	4.47	7.29	8.50	5.64
4FT	16IN	3.38	5.74	9.05	10.52	7.17
5FT	12IN	2.88	5.58	9.11	10.62	7.05
5FT	16IN	4.22	7.17	11.31	13.14	8.96
6FT	12IN	3.45	6.70	10.94	12.74	8.46
6FT	16IN	5.06	8.60	13.58	15.77	10.75
8FT	12IN	4.60	8.93	14.58	16.99	11.28
8FT	16IN	6.75	11.47	18.10	21.03	14.34

OPTICS

Extruded, satin acrylic lens designed for optimal performance and glare control
 High performance asymmetric optics
 Widespread Optic peak intensity at 120°
 Optimal mounting distance at 12" to 30" from ceiling (with WSO option)

HOUSING

Extruded aluminum housing with 1.5" aperture
 Die cast aluminum endcaps add 1/4" to each end of luminaire
 24-gauge LED reflector with high reflectance white powder coated finish
 Standard matte white polyester powder coated finish

ACOUSTIC HOUSING

Acoustic body and edge fabricated in 1/2" thick acoustic felt
 Acoustic NRC value up to 0.9 (see tests results for more details)
 Produced with recycled polyester fiber and +/- 60% from recycled water bottles
 Material is 100% recyclable
 0% VOC's
 Fire rating ASTM E-84 Class A / CAN ULC S102

LED SYSTEM

Proprietary LED system with color consistency <3 SDCM
 Available in 27K, 30K, 35K, and 40K
 Standard 80+CRI. Optional 90+CRI
 R9 value of 56 for 90+CRI
 L90 >60,000 hours

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor
 Standard 120/277V universal voltage with several driver options
 All drivers are integral and easily accessible through luminaire aperture

LISTING

ETL listed and conforms to UL1598 standard. Certified to CSA22.2 NO.250.0. Suitable for dry locations

WARRANTY

5 Year Warranty on LED and drivers Manufacturer
 1 Year Warranty for defects in material and workmanship under normal use
 Ambient temperature at fixture should not exceed 25°C

DELIVERED LUMENS PER FOOT BASED ON 80+ CRI 3500K LED SOURCE

INDIRECT LENS OPTION

FLUSH	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	1.5	166
	500	3.0	166
	750	4.6	163
	1000	6.3	158
	1250	8.0	156
	1500	9.8	153

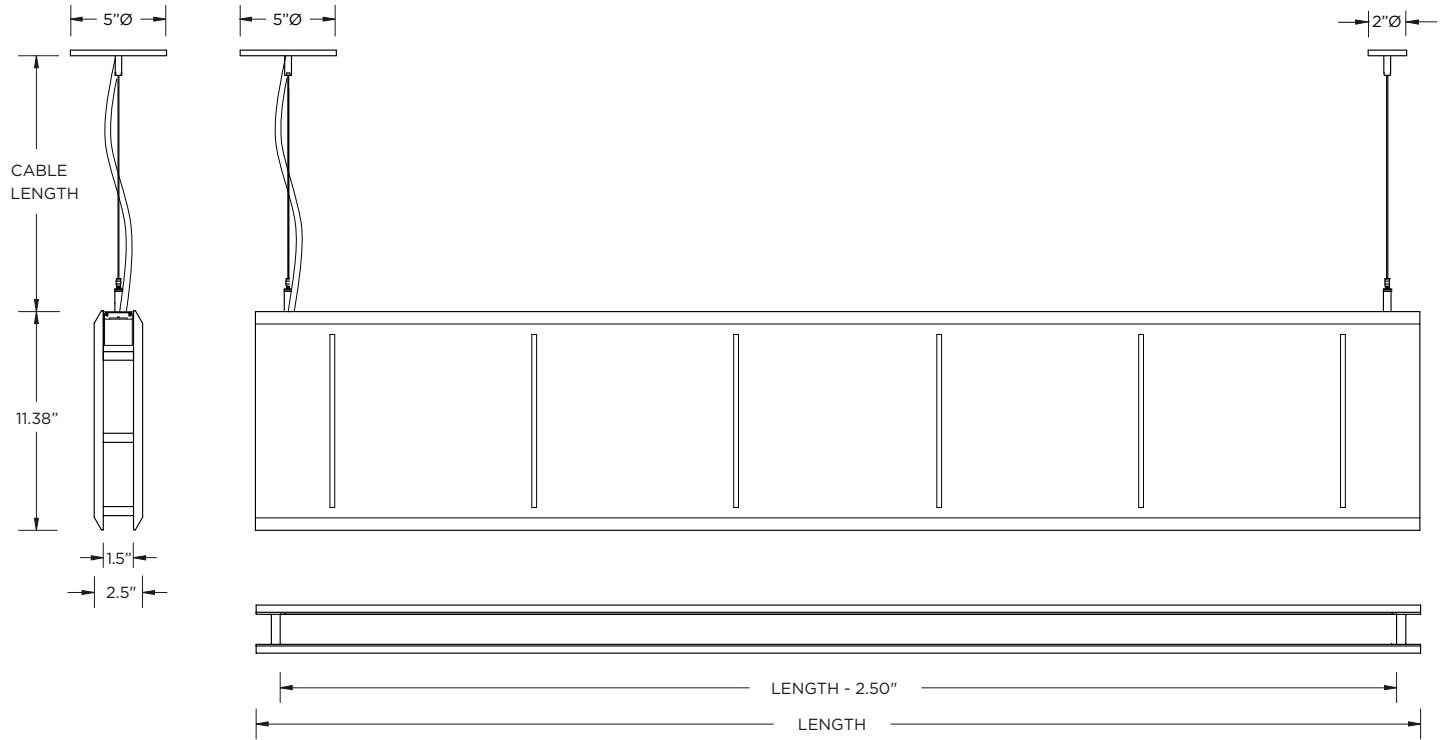
WIDESPREAD	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	1.3	185
	500	2.7	185
	750	4.1	183
	1000	5.6	179
	1250	7.1	176
	1500	8.8	170

ASYMMETRIC	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
	250	1.4	183
	500	2.7	183
	750	4.1	181
	1000	5.6	178
	1250	7.2	175
	1500	8.8	171

LUMEN OUTPUT MULTIPLIERS

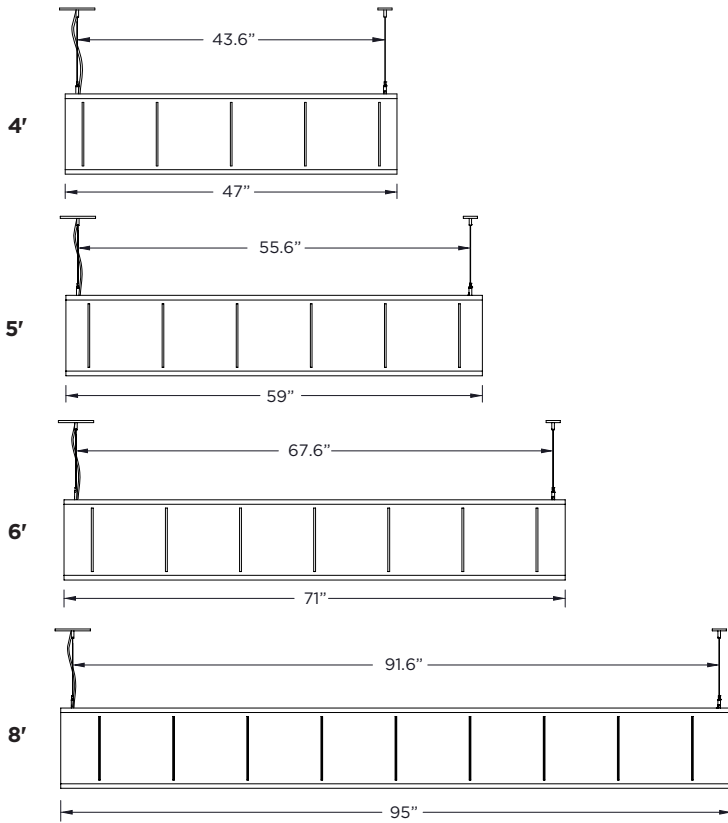
COLOR TEMP	80+ CRI	90+ CRI
2700K	N/A	0.78
3000K	0.97	0.83
3500K	1.00	0.86
4000K	1.02	0.88

12IN HEIGHT



16IN HEIGHT





MOUNTING DETAILS

Adjustable aircraft cable suspension with locking fasteners (60" length standard)
 All mounting canopies provided in white finish as standard
 Suitable for various architectural ceilings (see mounting details)
 Fixture weight: 2.75 lbs/ft

