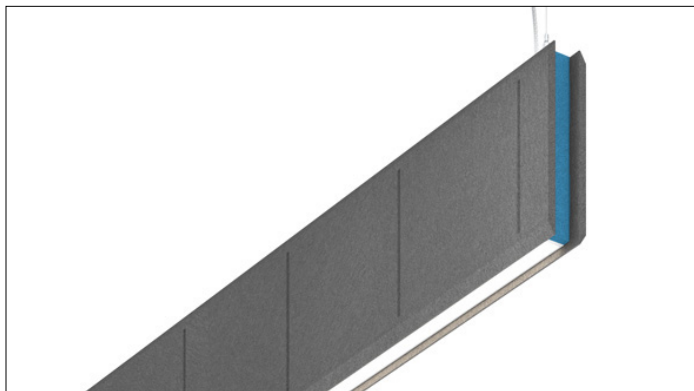


# 3G LIGHTING

## 3G-1PLA-DI

1.5" ACOUSTIC PENDANT  
LINIA DIRECT/INDIRECT



Acoustic body and edge fabricated in 1/2" thick acoustic felt with 20 color options  
1.5" aperture with one piece extruded aluminum housing  
Available in 4', 5', 6', and 8' lengths with 12" or 16" height options  
Direct/Indirect distribution with multiple lumen output options  
LED system with performance up to 127 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 (DIRECT)	LUMEN OUTPUT (INDIRECT)	CRI
3G-1PLA-DI	12H - 12" HEIGHT 16H - 16" HEIGHT	D250 - 250LM/FT D500 - 500LM/FT D750 - 750LM/FT D1000 - 1000LM/FT <sup>1</sup> DC___ - CUSTOM OUTPUT * (SPECIFY LM/FT) <small>*Specify custom lumen outputs in 50lm increments (ie: DC600, DC650, DC700) Custom output cannot exceed D1000</small>	L250 - 250LM/FT L500 - 500LM/FT L750 - 750LM/FT L1000 - 1000LM/FT <sup>1</sup> LC___ - CUSTOM OUTPUT * (SPECIFY LM/FT) <small>*Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700) Custom output cannot exceed L1000</small>	S80 - 80+ CRI <sup>2</sup> H90 - 90+ CRI

COLOR TEMP	VOLTAGE	DRIVER	LENS OPTION (DIRECT)	LENS OPTION (INDIRECT)
27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	UNV - 120/277V 347 - 347V <sup>3</sup>	DIM - 0-10V (100-1%) D01 - 0-10V (100-0.1%) DALI - DALI (100-1%) <sup>4</sup> DHL2 - LUTRON HI LUME (1% ECOSYSTEM)	FL - FLUSH LENS DASY - ASYMMETRIC LENS	FL - FLUSH LENS WSO - WIDESPREAD OPTIC ASY - ASYMMETRIC OPTIC

HOUSING FINISH	ACOUSTIC COLOR OPTIONS	ACOUSTIC BODY	ACOUSTIC EDGE	CABLE LENGTH
WH - WHITE	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"

CIRCUITING	RUN TYPE
1C - 1 CIRCUIT 2C - 2 CIRCUITS (SEPARATE DIRECT & INDIRECT)	S(4') - 4' S(5') - 5' S(6') - 6' S(8') - 8'

<sup>1</sup> D1000 and L1000 (1000LM/FT) not available with H90 (90+ CRI)

<sup>2</sup> S80 (80+ CRI) not available with 27K

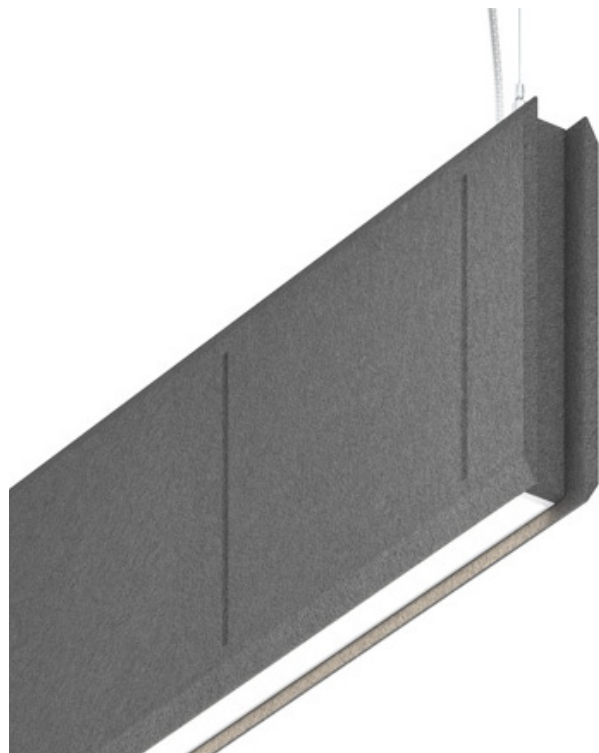
<sup>3</sup> 347 available in "DIM" 0-10V only (100-1%)

<sup>4</sup> 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)

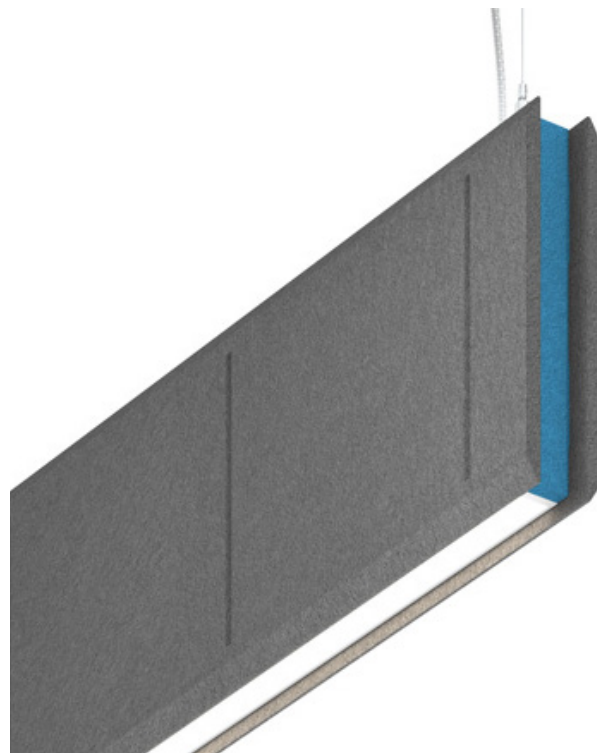


**DUAL COLOR OPTION**

**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**

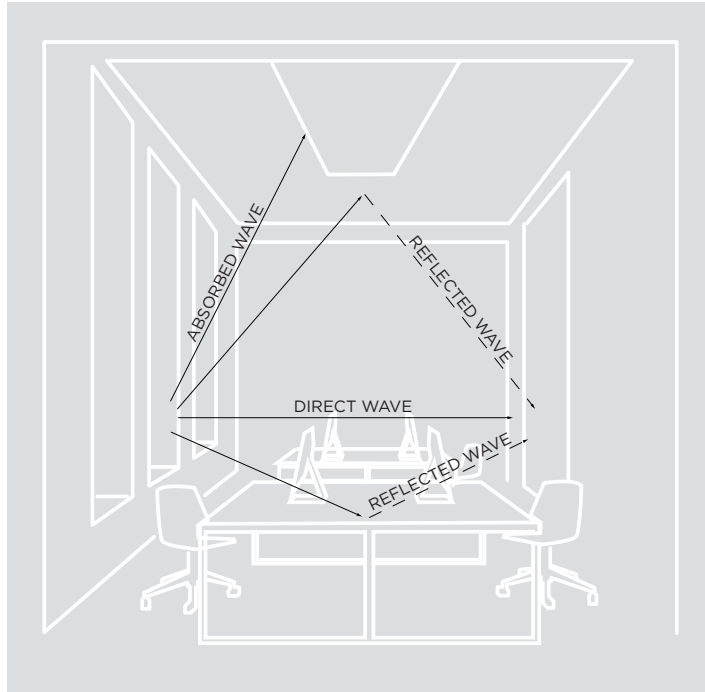
									
<b>BSG</b> Steel gray	<b>BRG</b> Rhino gray	<b>BCH</b> Charcoal	<b>BBK</b> Black	<b>BSW</b> Snow white	<b>BBE</b> Beige	<b>BLM</b> Light marble	<b>BAG</b> Ash gray	<b>BDM</b> Dark marble	<b>BFG</b> Forest green
									
<b>BAP</b> Apple green	<b>BNG</b> Neon green	<b>BEG</b> Emerald green	<b>BYE</b> Yellow	<b>BOR</b> Orange	<b>BRE</b> Red	<b>BGP</b> Grape prune	<b>BAB</b> Admiral blue	<b>BSB</b> Sky blue	<b>BTU</b> Turquoise

**OPTIONAL EDGE COLORS**

									
<b>ERG</b> Rhino gray	<b>EBK</b> Black	<b>ESW</b> Snow white	<b>EAG</b> Ash gray	<b>EAP</b> Apple Green	<b>EYE</b> Yellow	<b>EOR</b> Orange	<b>ERE</b> Red	<b>EAB</b> Admiral blue	<b>ETU</b> Turquoise

## 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	<b>5.64</b>
4FT	16IN	3.38	5.74	9.05	10.52	<b>7.17</b>
5FT	12IN	2.88	5.58	9.11	10.62	<b>7.05</b>
5FT	16IN	4.22	7.17	11.31	13.14	<b>8.96</b>
6FT	12IN	3.45	6.70	10.94	12.74	<b>8.46</b>
6FT	16IN	5.06	8.60	13.58	15.77	<b>10.75</b>
8FT	12IN	4.60	8.93	14.58	16.99	<b>11.28</b>
8FT	16IN	6.75	11.47	18.10	21.03	<b>14.34</b>

**OPTICS**

Extruded, satin acrylic lens designed for optimal performance and glare control  
High performance asymmetric optics available  
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

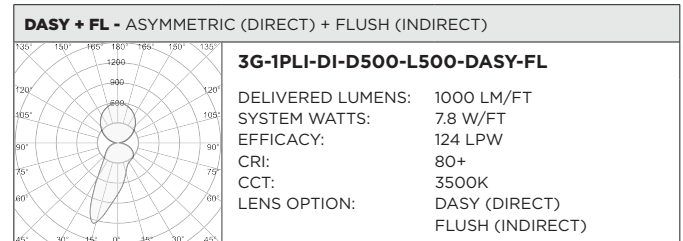
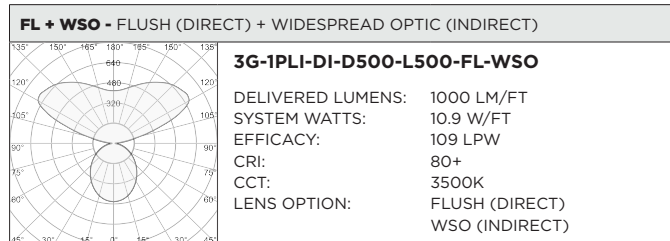
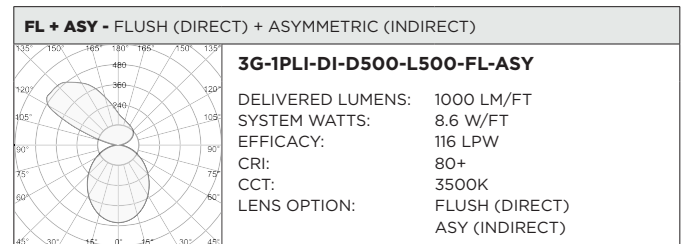
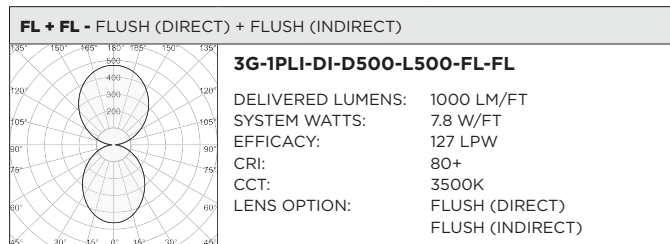
**WARRANTY**

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

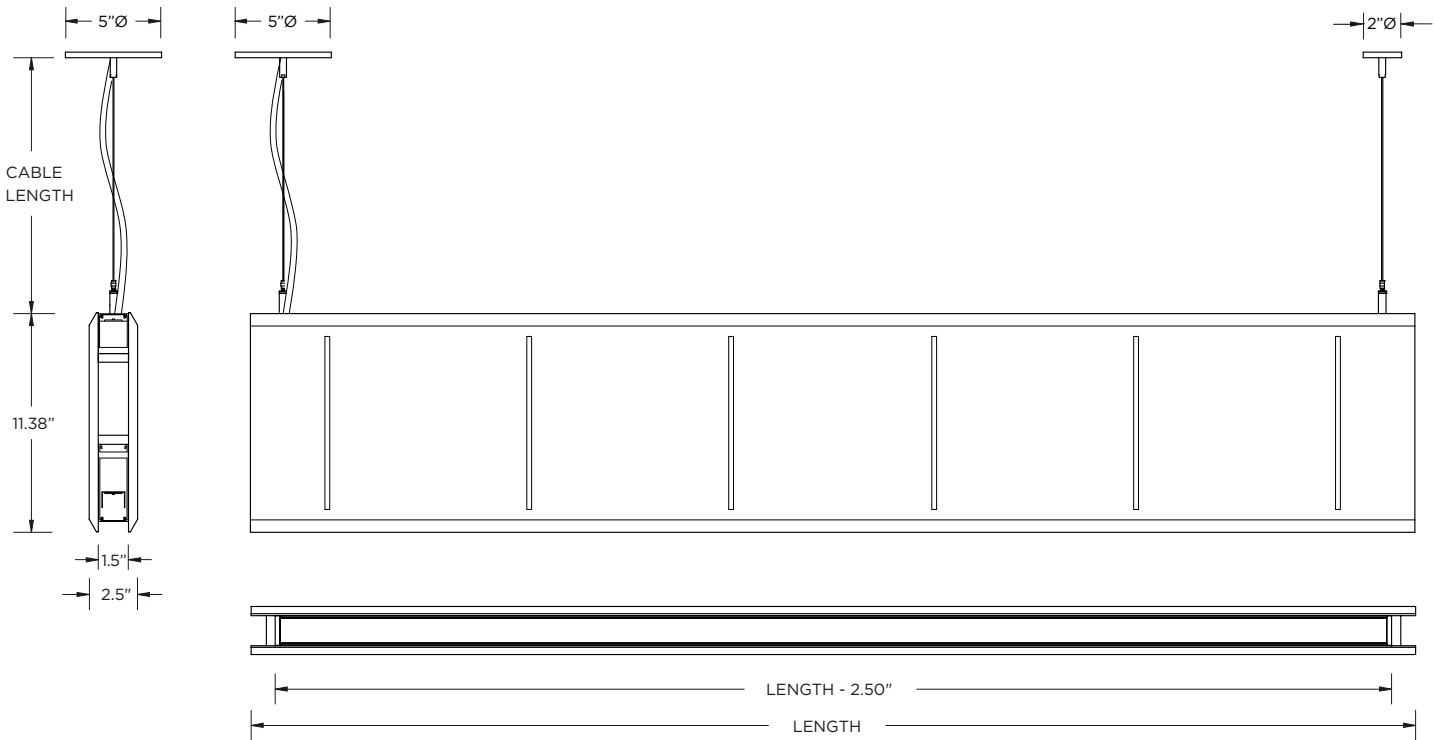
**1.5" LINEAR DIRECT/INDIRECT - BASED ON 80+ CRI AND 3500K SOURCE**

LUMEN OUTPUT	DELIVERED LUMENS (LM/FT)			SYSTEM WATTS (W/FT)			EFFICACY (LPW)		
DIRECT + INDIRECT	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL	DIRECT	INDIRECT	TOTAL
<b>FLUSH + FLUSH</b>	250	250	500	2.3	1.7	4.0	110	146	125
	500	500	1000	4.5	3.3	7.8	111	148	127
	750	750	1500	7.2	5.2	12.4	105	144	121
	1000	1000	2000	9.9	7.2	17.1	101	137	116
<b>FLUSH + WSO</b>	250	250	500	2.3	3.3	5.6	110	114	111
	500	500	1000	4.5	6.4	10.9	111	107	109
	750	750	1500	7.2	10.4	17.6	105	111	108
	1000	1000	2000	9.9	10.4	20.3	101	108	104
<b>FLUSH + ASYMMETRIC</b>	250	250	500	2.3	2.1	4.4	110	118	113
	500	500	1000	4.5	4.1	8.6	111	121	116
	750	500	1250	7.2	6.1	13.3	105	122	112
	1000	500	1500	9.9	8.4	18.3	101	119	109
<b>ASYMMETRIC + FLUSH</b>	250	250	500	2.3	1.7	4.0	106	146	123
	500	500	1000	4.5	3.3	7.8	105	148	124
	750	750	1500	7.2	5.2	12.4	102	144	119
	1000	1000	2000	9.9	7.2	17.1	102	137	117

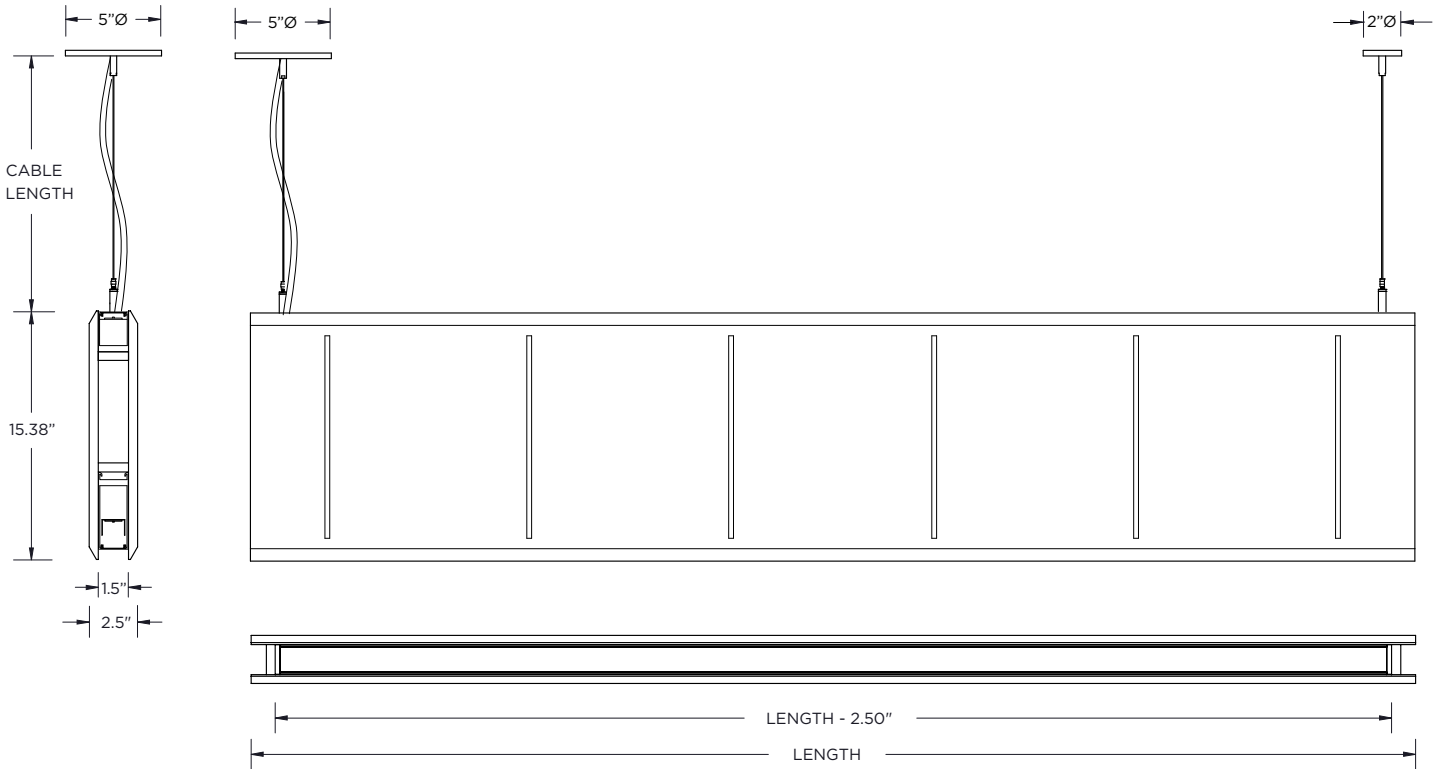
LUMEN OUTPUT MULTIPLIER: 27K=0.93, 30K=0.96, 35K=1.00, 40K=1.02, 90+ CRI=0.88

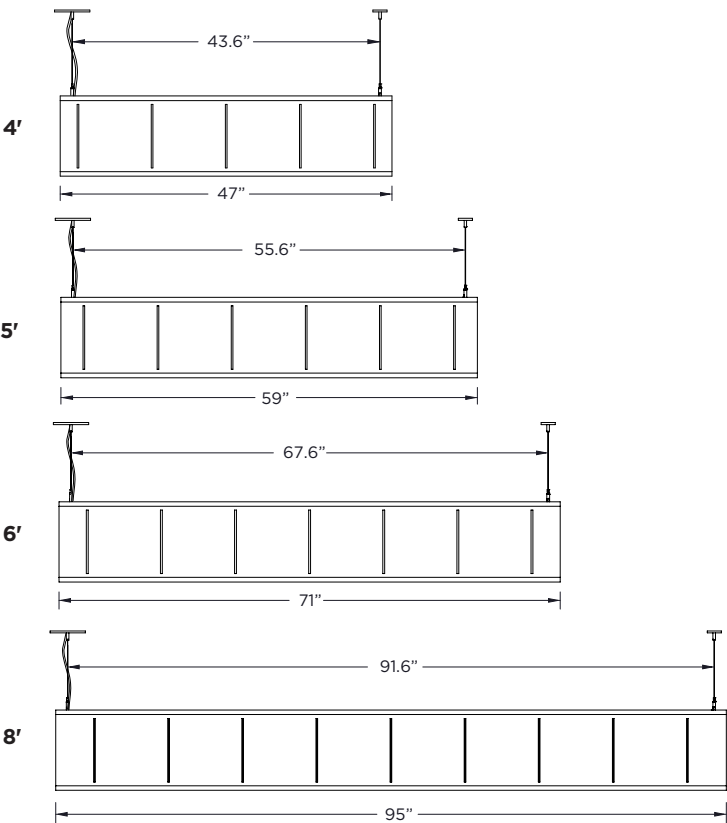


12IN HEIGHT



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: 5.25 lbs/ft

