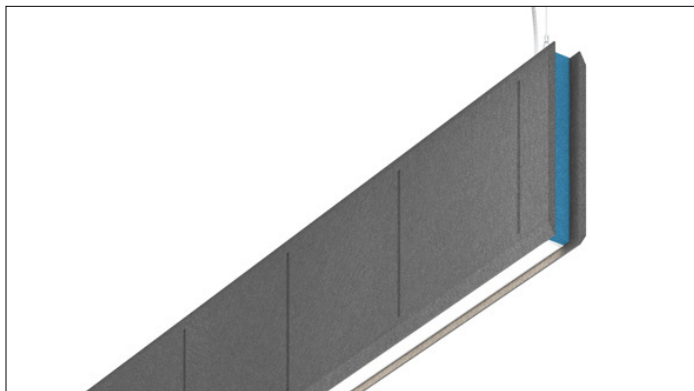


# 3G LIGHTING

## 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

|                  |  |              |             |
|------------------|--|--------------|-------------|
| <b>PROJECT:</b>  |  | <b>TYPE:</b> |             |
| <b>CATALOG#:</b> |  | <b>DATE:</b> | <b>QTY:</b> |

| CAT. NO           | FIXTURE HEIGHT                                     | LUMEN OUTPUT (DIRECT)                                                                                                                                                                                                                                                                             | LUMEN OUTPUT (INDIRECT)                                                                                                                                                                                                                                                                           | CRI                                                       |
|-------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>3G-1PLA-DI</b> | <b>12H</b> - 12" HEIGHT<br><b>16H</b> - 16" HEIGHT | <b>D250</b> - 250LM/FT<br><b>D500</b> - 500LM/FT<br><b>D750</b> - 750LM/FT<br><b>D1000</b> - 1000LM/FT<br><b>DC__</b> - CUSTOM OUTPUT *<br>(SPECIFY LM/FT)<br><small>*Specify custom lumen outputs in 50lm increments<br/>(ie: DC600, DC650, DC700)<br/>Custom output cannot exceed D1000</small> | <b>L250</b> - 250LM/FT<br><b>L500</b> - 500LM/FT<br><b>L750</b> - 750LM/FT<br><b>L1000</b> - 1000LM/FT<br><b>LC__</b> - CUSTOM OUTPUT *<br>(SPECIFY LM/FT)<br><small>*Specify custom lumen outputs in 50lm increments<br/>(ie: LC600, LC650, LC700)<br/>Custom output cannot exceed L1000</small> | <b>S80</b> - 80+ CRI <sup>1</sup><br><b>H90</b> - 90+ CRI |

| COLOR TEMP                                                                           | VOLTAGE                                                 | DRIVER                                                                                                                                                     | LENS OPTION (DIRECT)                                                                               | LENS OPTION (INDIRECT)                                                                   |
|--------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>27K</b> - 2700K<br><b>30K</b> - 3000K<br><b>35K</b> - 3500K<br><b>40K</b> - 4000K | <b>UNV</b> - 120/277V<br><b>347</b> - 347V <sup>2</sup> | <b>DIM</b> - 0-10V (100-1%)<br><b>D01</b> - 0-10V (100-0.1%)<br><b>DALI</b> - DALI (100-1%) <sup>3</sup><br><b>DHL2</b> - LUTRON HI LUME<br>(1% ECOSYSTEM) | <b>FL</b> - FLUSH LENS<br><b>DWSO</b> - WIDESPREAD LENS (BATWING)<br><b>DASY</b> - ASYMMETRIC LENS | <b>FL</b> - FLUSH LENS<br><b>WSO</b> - WIDESPREAD OPTIC<br><b>ASY</b> - ASYMMETRIC OPTIC |

| HOUSING FINISH    | ACOUSTIC COLOR OPTIONS                                                                                                         | ACOUSTIC BODY                            | ACOUSTIC EDGE                                                                                              | CABLE LENGTH                         |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>WH</b> - WHITE | <b>1CL</b> - SINGLE COLOR<br>(SAME COLOR FOR BODY AND EDGE)<br><b>2CL</b> - DUAL COLOR<br>(DIFFERENT COLORS FOR BODY AND EDGE) | <b>BXX</b> - (SEE PAGE 2 FOR ALL COLORS) | <b>EXX</b> - (SEE PAGE 2 FOR ALL COLORS)<br><br><small>*Option 2CL to be selected with this option</small> | <b>60</b> - 60"<br><b>120</b> - 120" |

| CIRCUITING                                                                      | RUN TYPE                                                                         |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>1C</b> - 1 CIRCUIT<br><b>2C</b> - 2 CIRCUITS<br>(SEPARATE DIRECT & INDIRECT) | <b>S(4')</b> - 4'<br><b>S(5')</b> - 5'<br><b>S(6')</b> - 6'<br><b>S(8')</b> - 8' |

<sup>1</sup> S80 (80+ CRI) not available with 27K

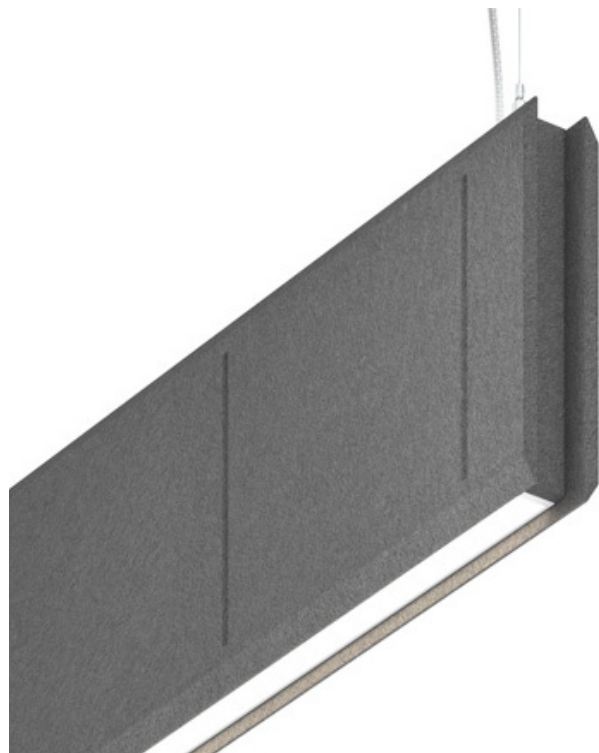
<sup>2</sup> 347 available in "DIM" 0-10V only (100-1%)

<sup>3</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)

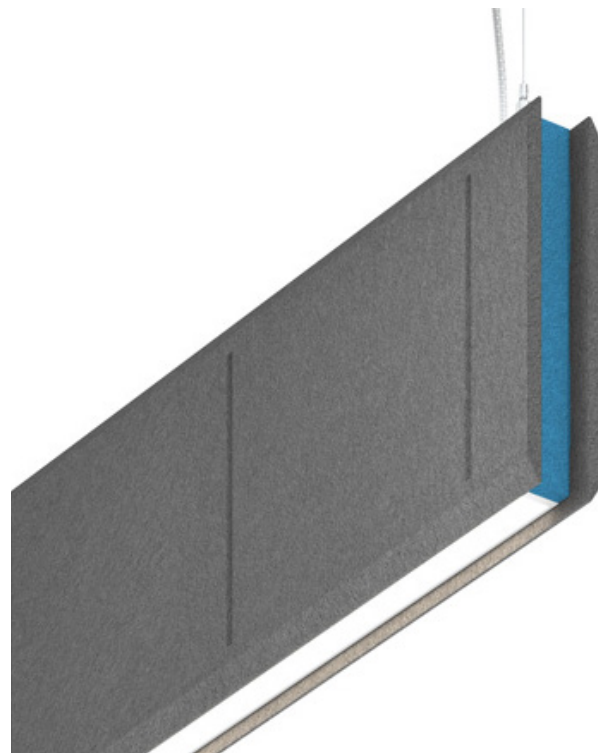


**DUAL COLOR OPTION**

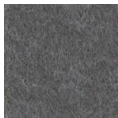
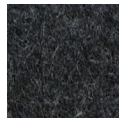
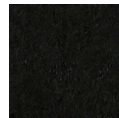
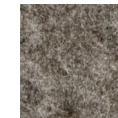
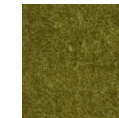
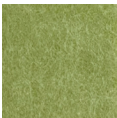
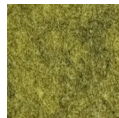
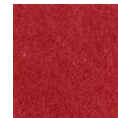
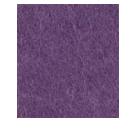
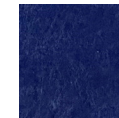
**SPECIFY TWO DIFFERENT COLORS FOR THE ACOUSTIC BODY AND EDGE**

Acoustic Body shown with "BRG" (Rhino grey)

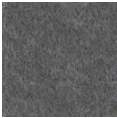
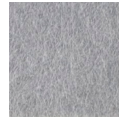
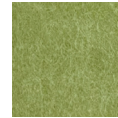
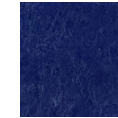
Acoustic Edge shown with "ETU" (Turquoise)



**ACOUSTIC BODY COLORS**

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

**OPTIONAL EDGE COLORS**

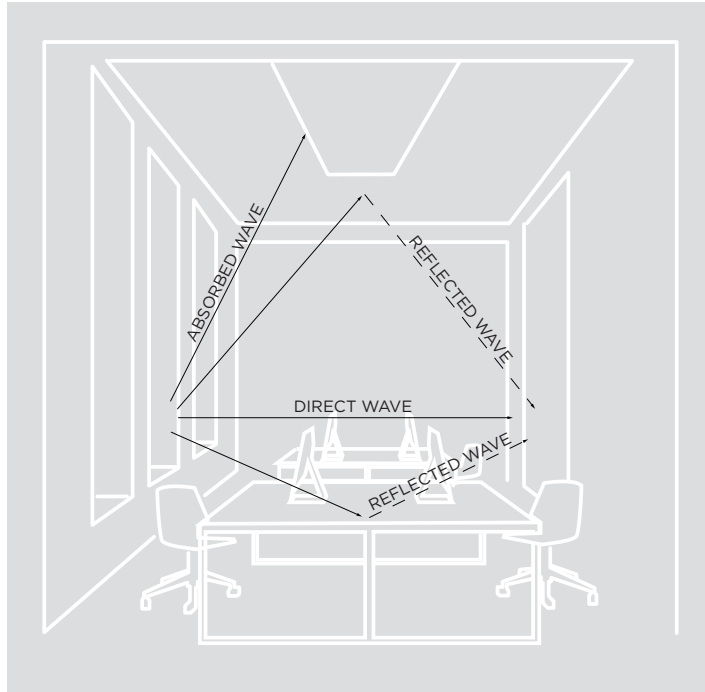
|                                                                                    |                                                                                     |                                                                                     |                                          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

**NOTE:**

Acoustic felt colors may vary slightly due to dye-lot variation. Colors shown digitally may also vary by screen. Physical samples should be used for color reference

## 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

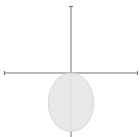
ETL listed and conforms to UL1598 standard  
Certified to CSA22.2 NO.250.0.  
Rated for dry or damp locations

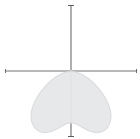
## WARRANTY

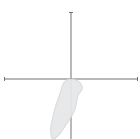
5 year limited warranty  
LED system rated for operation in ambient environments up to 25°C

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

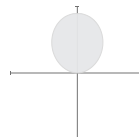
**DIRECT LENS OPTION**

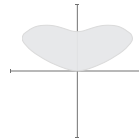
| FLUSH                                                                             | DELIVERED LUMENS | SYSTEM WATTS | EFFICACY (LPW) |
|-----------------------------------------------------------------------------------|------------------|--------------|----------------|
|  | 250              | 2.3          | 107            |
|                                                                                   | 500              | 4.7          | 107            |
|                                                                                   | 750              | 7.0          | 108            |
|                                                                                   | 1000             | 9.6          | 104            |

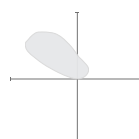
| WIDESPREAD                                                                        | DELIVERED LUMENS | SYSTEM WATTS | EFFICACY (LPW) |
|-----------------------------------------------------------------------------------|------------------|--------------|----------------|
|  | 250              | 2.2          | 112            |
|                                                                                   | 500              | 4.5          | 112            |
|                                                                                   | 750              | 6.9          | 109            |
|                                                                                   | 1000             | 9.4          | 107            |

| ASYMMETRIC                                                                        | DELIVERED LUMENS | SYSTEM WATTS | EFFICACY (LPW) |
|-----------------------------------------------------------------------------------|------------------|--------------|----------------|
|  | 250              | 2.2          | 112            |
|                                                                                   | 500              | 4.5          | 112            |
|                                                                                   | 750              | 6.5          | 115            |
|                                                                                   | 1000             | 9.0          | 111            |

**INDIRECT LENS OPTION**

| FLUSH                                                                              | DELIVERED LUMENS | SYSTEM WATTS | EFFICACY (LPW) |
|------------------------------------------------------------------------------------|------------------|--------------|----------------|
|  | 250              | 1.6          | 155            |
|                                                                                    | 500              | 3.2          | 155            |
|                                                                                    | 750              | 4.9          | 155            |
|                                                                                    | 1000             | 6.6          | 152            |

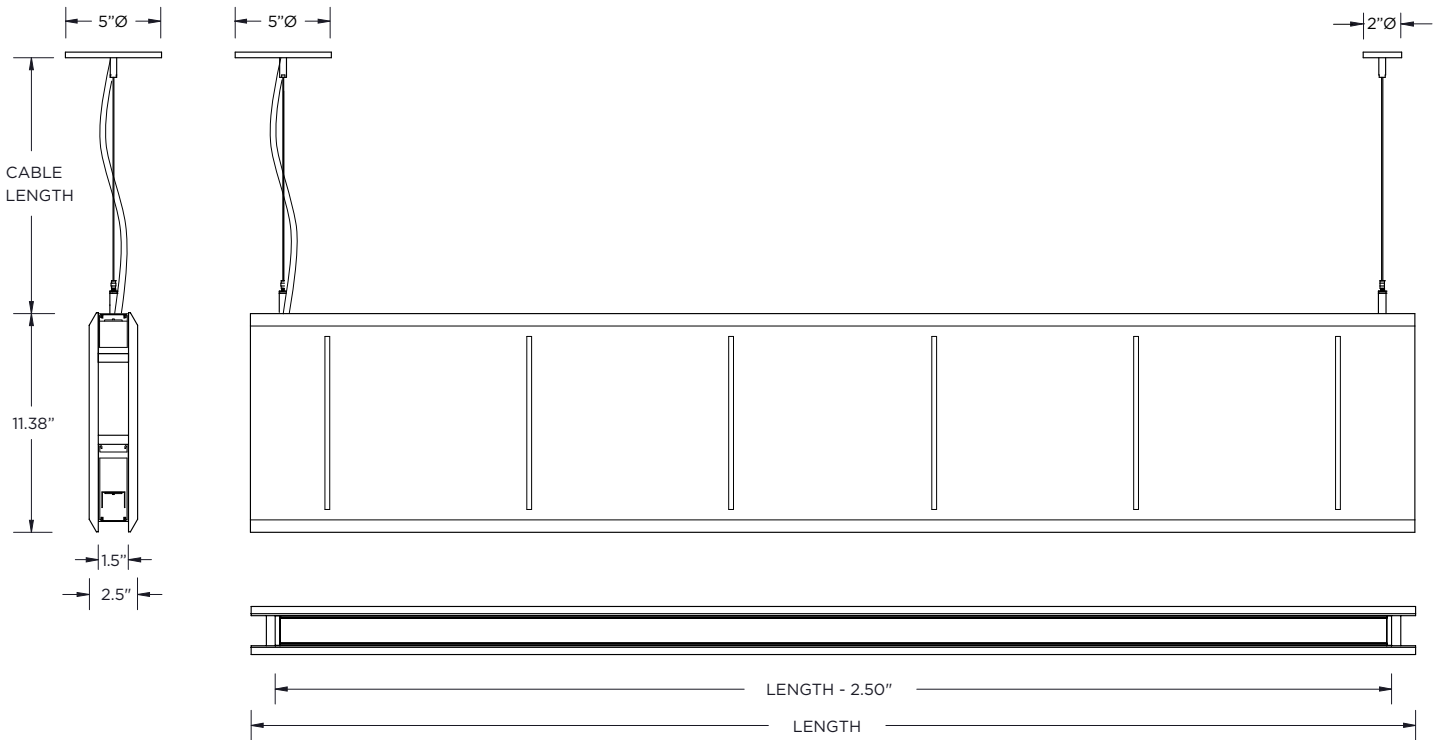
| WIDESPREAD                                                                         | DELIVERED LUMENS | SYSTEM WATTS | EFFICACY (LPW) |
|------------------------------------------------------------------------------------|------------------|--------------|----------------|
|  | 250              | 1.6          | 158            |
|                                                                                    | 500              | 3.2          | 158            |
|                                                                                    | 750              | 4.8          | 158            |
|                                                                                    | 1000             | 6.4          | 155            |

| ASYMMETRIC                                                                         | DELIVERED LUMENS | SYSTEM WATTS | EFFICACY (LPW) |
|------------------------------------------------------------------------------------|------------------|--------------|----------------|
|  | 250              | 1.6          | 160            |
|                                                                                    | 500              | 3.1          | 160            |
|                                                                                    | 750              | 4.7          | 160            |
|                                                                                    | 1000             | 6.3          | 159            |

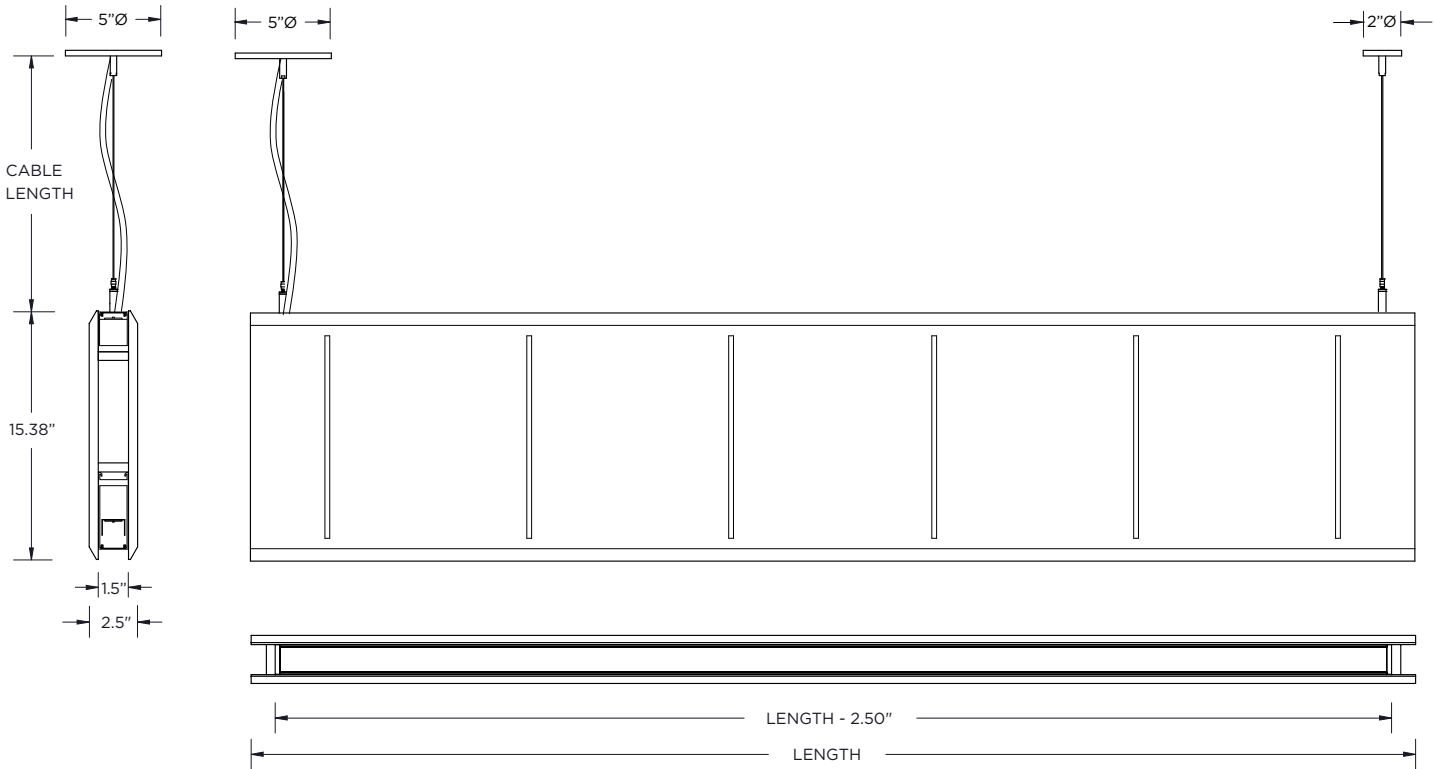
**LUMEN OUTPUT MULTIPLIERS**

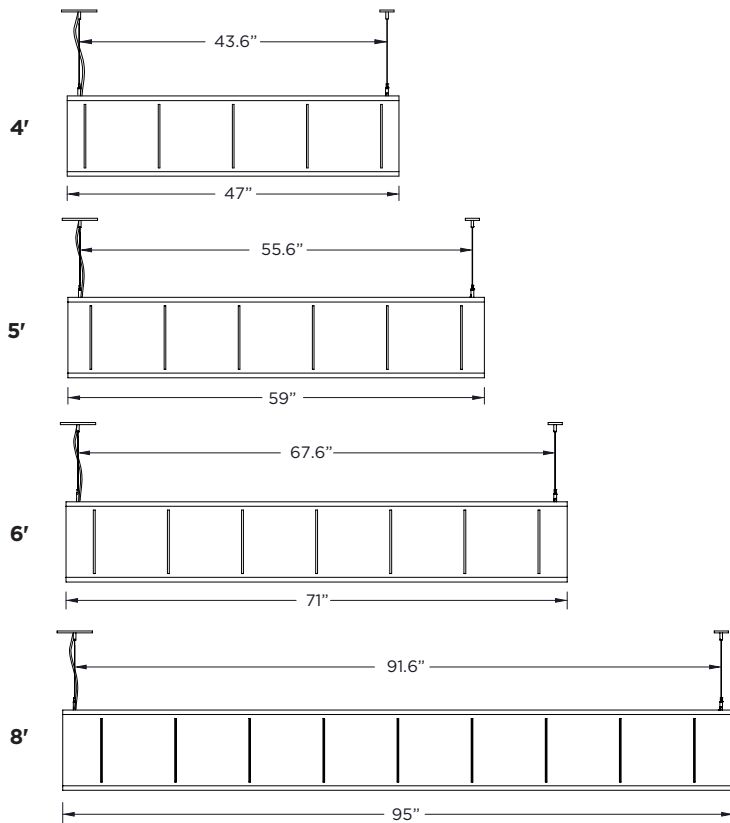
| COLOR TEMP | 80+ CRI | 90+ CRI |
|------------|---------|---------|
| 2700K      | N/A     | 0.78    |
| 3000K      | 0.97    | 0.83    |
| 3500K      | 1.00    | 1.00    |
| 4000K      | 1.02    | 1.02    |

**12IN HEIGHT**



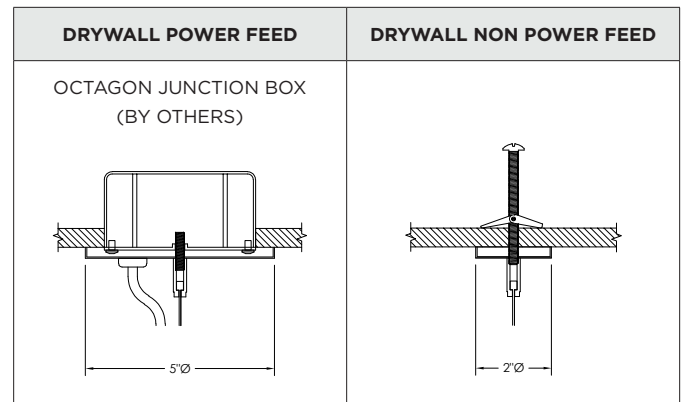
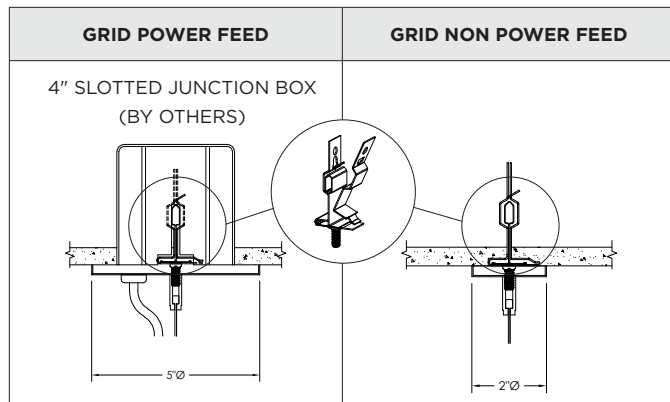
**16IN HEIGHT**





## 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



Declare® is a product transparency program administered by the International Living Future Institute (ILFI), providing standardized disclosure of product ingredients, manufacturing location, service life, end-of-life pathways, and Living Building Challenge compliance status.

## PRODUCT FAMILY COVERAGE — LINEAR SYSTEMS

Linear luminaires for suspended, surface, and recessed applications, including perimeter conditions, wall grazing, acoustic lighting, acoustic integration, low-glare multicell runs, and linear systems with integrated downlight modules. Available with flush and drop lens options, multiple distributions including batwing and asymmetric, and a range of lengths and output levels.

## LBC RED LIST FREE

This product family carries a Declare® designation of LBC Red List Free, the highest designation within the Declare program. Products with this designation contain no intentionally added Red List chemicals above applicable Declare reporting thresholds and have been evaluated against the Living Building Challenge Red List.



## BUILDING CERTIFICATION PROGRAMS

Material transparency documentation is increasingly requested as part of building certification programs and owner standards. Declare labels may be used as supporting documentation for project teams pursuing:

- Living Building Challenge (LBC)
- WELL Building Standard™ v1
- WELL Building Standard™ v2
- LEED®
- Other material disclosure and material health initiatives

Project certification requirements are determined at the building level and should be evaluated by the project team.

# Declare.

## Linear Systems 3G Lighting

**Final Assembly:** Woodbridge, Ontario, Canada

**Life Expectancy:** 7+ Year(s)

**End of Life Options:** Recyclable (95%), Landfill (5%)

### Ingredients:

Aluminum UNS A96063; Steel, cold roll UNS G10080; 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate; Copper UNS C11000; 2-Propenoic acid, butyl ester, polymer with ethenylbenzene and 2-propenenitrile; Carbonic dichloride, polymer with 4,4'-(1-methylethylidene)bis[phenol]; Polyethylene Terephthalate; Pulp, cellulose; Aluminum diethylphosphinate; Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated; **Distillates (petroleum), hydrotreated heavy naphthenic**; Polypropylene; Paper; Tin, Organic; Starch, base-hydrolyzed, borated; 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-bis[2,4-bis(1,1-dimethylethyl)phenoxy]-; Vinyl acetate; Phosphorus; Iron; Zinc; 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-

### Living Building Challenge Criteria: Compliant

#### I-13 Red List:

- |                                                       |                             |
|-------------------------------------------------------|-----------------------------|
| <input checked="" type="checkbox"/> LBC Red List Free | % Disclosed: 100% at 100ppm |
| <input type="checkbox"/> LBC Red List Approved        | VOC Content: Not Applicable |
| <input type="checkbox"/> Declared                     |                             |

**I-10 Interior Performance:** Not Applicable

**I-14 Responsible Sourcing:** Not Applicable

XXX-XXXX

EXP. 01 JUN 2027

Original Issue Date: 2026

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](https://living-future.org/declare)