

# BILLET

INDOOR PENDANT - DIRECT/INDIRECT  
OPAL

**bold**  
lighting



The Billet family of products allows you to achieve uniformity throughout indoor and outdoor spaces while maintaining the same optical performance, light consistency, and overall aesthetics. Billet Direct/Indirect is a continuation of the award winning Billet family and offers multiple indirect distributions for all linear pendant application needs.

The Billet linear lenses deliver bold vertical and horizontal illumination perfect for ambient lighting and washing. Like all Bold products, the Billet confidently delivers a flawless light distribution and a beautifully finished product.

## CONSTRUCTION

**Product Type :** Linear  
**Body Material :** Extruded Aluminum  
**Body Finish :** Black / Grey / White  
Custom RAL  
**IP Rating :** IP20  
**Chicago plenum rated**

## INSTALLATION

**Environment :** Dry / Damp Location  
**Mounting :** Pendant / Wall Mounted  
**Dimensions :** Refer to dimension table

## OPTICS

**Optical Distribution :** Direct - Lambertian  
Indirect - Lambertian / Batwing

## LIGHT SOURCE

**Direct Light Source :** Mid-power LEDs  
**Luminous Output :** [ Direct - from 340lm/ft. to 1450lm/ft. (Delivered) ]  
[ Indirect - from 340lm/ft. to 1450lm/ft. (Delivered) ]  
**Light Source CCT :** 2700K / 3000K / 3500K  
4000K / Tunable White (2700K-5000K)  
**Color Rendering Index :** Ra90  
**Lifetime :** L80 B10 @ 70,000 Hrs

## ELECTRICAL

**Input Voltage :** 120V / UNV 120-277V - 50Hz/60Hz  
**Load :** 5W/ft. to 20W/ft.  
**Output Type :** Integral Current  
**Driver Type :** Integral  
**Dimming :** 0-10V / DALI / ELV / DMX  
Lutron Hi-Lume  
**Code Compliance :** ETL / CSA / CE

Series	Mounting	Nominal Length <sup>1</sup>	Body Finish
<b>BIIO</b>	<b>A4</b> Pendant (Aircraft Cable-4')	<b>24</b> 24"	<b>W</b> White
	<b>P2</b> Pendant (Rigid Stem-2')	<b>36</b> 36"	<b>B</b> Black
	<b>P3</b> Pendant (Rigid Stem-3')	<b>48</b> 48"	<b>G</b> Grey
	<b>P4</b> Pendant (Rigid Stem-4')	<b>60</b> 60"	<b>X</b> Custom RAL
	<b>W0</b> Wall Mounted	<b>XX</b> Custom in	

For custom lengths and shapes, consult factory.  
For exact lengths refer to dimensions table.

Code example: **BIIO**-A424W-LL1B-O-LL927-0

Output (Direct) <sup>1</sup>	Output (Indirect) <sup>1</sup>	Voltage	Dimming	Diffuser	Distribution (Direct)	Distribution (Indirect)	CRI	Color Temp	Emergency
<b>L<sup>2</sup></b> 360lm/ft (5W)	<b>L<sup>2</sup></b> 360lm/ft (5W)	<b>1</b> 120V	<b>A</b> No Dimming	<b>O</b> Opal	<b>L</b> Opal	<b>B</b> Batwing	<b>9</b> +90	<b>27</b> 2700K	<b>0</b> No
<b>M<sup>2</sup></b> 720lm/ft (10W)	<b>M<sup>2</sup></b> 720lm/ft (10W)	<b>U<sup>2</sup></b> Universal 120 to 277V	<b>B</b> 0-10V to 1%			<b>L</b> Opal		<b>30</b> 3000K	<b>9<sup>6</sup></b> 90 mins
<b>H<sup>2</sup></b> 1080lm/ft (15W)	<b>H<sup>2</sup></b> 1080lm/ft (15W)		<b>D</b> DALI to 1%				<b>35</b> 3500K		
<b>V<sup>2</sup></b> 1380lm/ft (20W)	<b>V<sup>2</sup></b> 1380lm/ft (20W)		<b>E</b> ELV Dimming				<b>40</b> 4000K		
<b>U<sup>3</sup></b> 755lm/ft (10W)	<b>U<sup>3</sup></b> 755lm/ft (10W)		<b>F</b> DMX				<b>TW</b> 2700K - 5000K		
<b>A<sup>3</sup></b> 1450lm/ft (20W)	<b>A<sup>3</sup></b> 1450lm/ft (20W)		<b>G<sup>5</sup></b> LUTRON						

**Notes:**

- <sup>1</sup> 6" length increments available as a modification.
- <sup>2</sup> Denotes output at 3000K, unless otherwise noted.
- <sup>3</sup> Denotes output specific to Tunable White at full on.
- <sup>4</sup> Not applicable for ELV dimming.
- <sup>5</sup> Hi-lume, Vive, and Athena compatible.
- <sup>6</sup> Not applicable for integral driver.

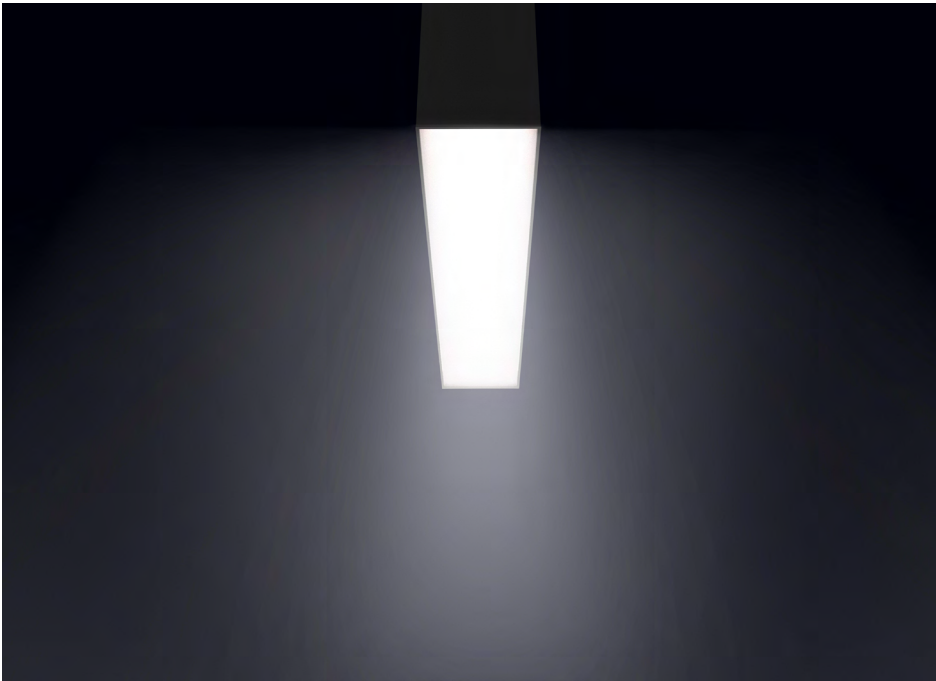
Consult factory for lead-times.  
Consult factory for systems using multiple optics and mounting configurations.



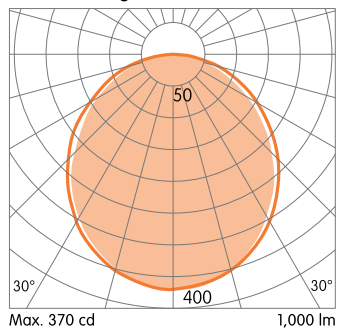
**Bold Lighting**  
4710 Ecton Dr., Marietta, GA 30066, USA  
info@boldlighting.us www.boldlighting.us t: +1-678-903-4061

## OPTICAL FLEXIBILITY (DIRECT)

### LAMBERTIAN DISTRIBUTION



120° Beam Angle (Lambertian)



Lambertian distributions are optimal for general lighting, providing a soft and uniform illumination on both horizontal and vertical surfaces. Bille's opal lens is ideal for commercial, retail, institutional, and any other environment where comfortable and even illumination is needed.

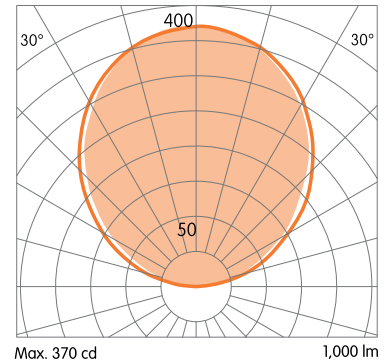
## OPTICAL FLEXIBILITY (INDIRECT)

### LAMBERTIAN DISTRIBUTION



Lambertian distributions are optimal for general lighting, providing a soft and uniform illumination on both horizontal and vertical surfaces. Billef's opal lens is ideal for commercial, retail, institutional, and any other environment where comfortable and even illumination is needed.

120° Beam Angle (Lambertian)



Max. 370 cd

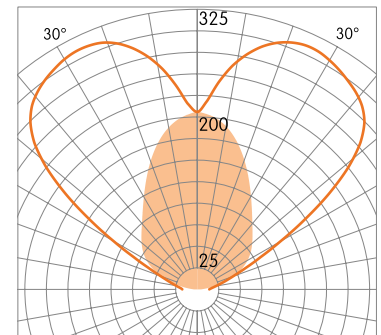
1,000 lm

### BATWING DISTRIBUTION



A batwing beam distribution is ideal for open spaces with low ceilings. This light distribution offers high uniformity on horizontal surfaces and allows for wide on-center spacing layouts.

90° Beam Angle (Batwing)



Max. 310 cd

1,000 lm

# MOUNTING FLEXIBILITY

## PENDANT



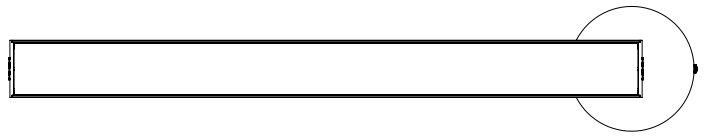
DIRECT

Actual

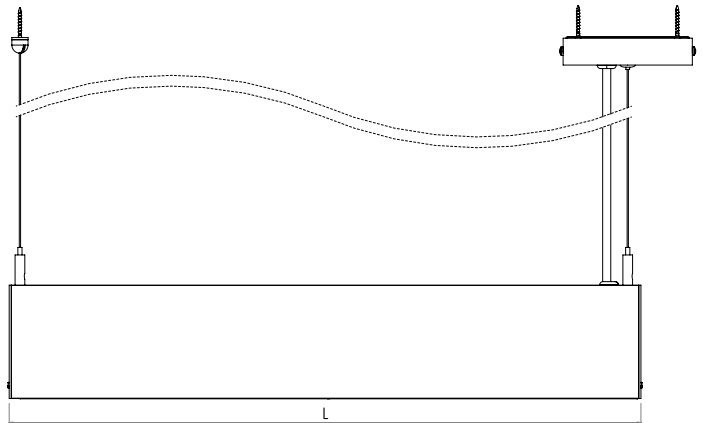
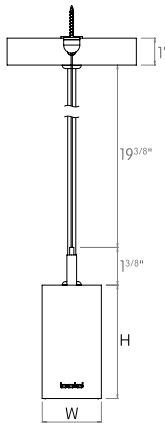
L= 23<sup>15/16</sup>" | 35<sup>3/4</sup>" | 47<sup>9/16</sup>" | 59<sup>3/8</sup>" | Continuous runs

W= 2<sup>3/16</sup>"

H= 3<sup>3/8</sup>"



INDIRECT



# MOUNTING FLEXIBILITY

## WALL MOUNTED



DIRECT



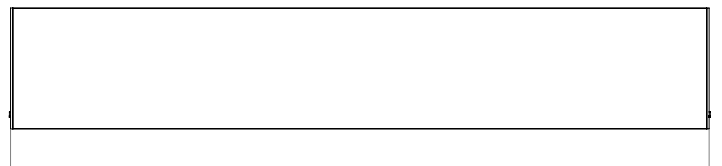
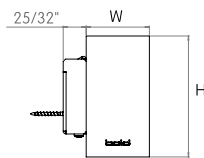
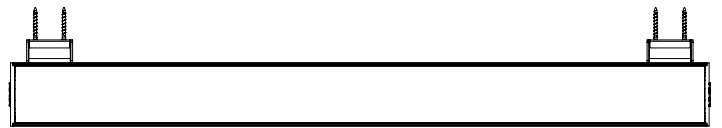
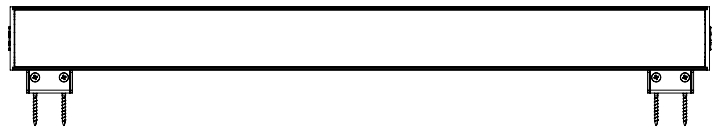
INDIRECT

### Actual

L= 23<sup>15/16</sup>" | 35<sup>3/4</sup>" | 47<sup>9/16</sup>" | 59<sup>3/8</sup>" | Continuous runs

W= 2<sup>3/16</sup>"

H= 3<sup>3/8</sup>"



L

## DELIVERED LUMEN OUTPUT (DIRECT)

Per Linear Foot

Output		Watts	CRI +90			
<b>STATIC-WHITE</b>			<b>2700K</b>	<b>3000K</b>	<b>3500K</b>	<b>4000K</b>
<b>L</b>	5W		340 lm	360 lm	370 lm	375 lm
<b>M</b>	10W		680 lm	720 lm	740 lm	755 lm
<b>H</b>	15W		1020 lm	1080 lm	1110 lm	1135 lm
<b>V</b>	20W		1305 lm	1380 lm	1420 lm	1450 lm
<b>TUNABLE WHITE 2700K-5000K</b>			<b>2700K</b>			<b>5000K</b>
<b>U</b>	10W		680 lm			755 lm
<b>A</b>	20W		1305 lm			1450 lm

## DELIVERED LUMEN OUTPUT (INDIRECT)

Per Linear Foot

Output		Watts	CRI +90			
<b>STATIC-WHITE</b>			<b>2700K</b>	<b>3000K</b>	<b>3500K</b>	<b>4000K</b>
<b>L</b>	5W		340 lm	360 lm	370 lm	375 lm
<b>M</b>	10W		680 lm	720 lm	740 lm	755 lm
<b>H</b>	15W		1020 lm	1080 lm	1110 lm	1135 lm
<b>V</b>	20W		1305 lm	1380 lm	1420 lm	1450 lm
<b>TUNABLE WHITE 2700K-5000K</b>			<b>2700K</b>			<b>5000K</b>
<b>U</b>	10W		680 lm			755 lm
<b>A</b>	20W		1305 lm			1450 lm

## DIMENSIONS TABLE

	24"		36"		48"		60"					
	Height		Width		Actual Length							
	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch
<b>Pendant</b>	85	3 3/8	55	2 3/16	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8
<b>Wall Mounted</b>	85	3 3/8	55	2 3/16	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8

