

# BILLET

INDOOR PENDANT - DIRECT/INDIRECT  
HONEYCOMB 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 Honeycomb was designed to provide performance illumination and a decorative aesthetic while maintaining minimal glare. Like all Bold products, the Billet Honeycomb 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

## INSTALLATION

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

## OPTICS

**Optical Distribution :** Direct - Lambertian  
Indirect - Batwing / Lambertian  
**Glare Control :** UGR<19

## LIGHT SOURCE

**Direct Light Source :** Mid-power LEDs  
**Luminous Output :** [ Direct - from 150lm/ft. to 840lm/ft. (Delivered) ]  
[ Indirect - from 290lm/ft. to 1570lm/ft. (Delivered) ]  
**Light Source CCT :** 2700K / 3000K / 3500K  
4000K / Tunable White (2700K-5000K)  
Dim-to-Warm (3000K-1800K)  
**Color Rendering Index :** Ra80 / Ra90

## ELECTRICAL

**Input Voltage :** UNV 120-277V - 50Hz/60Hz  
**Load :** 4W/ft. to 19W/ft.  
**Output Type :** Constant Current  
**Driver Type :** Integral  
**Dimming :** 0-10V / DALI / ELV / DMX  
Lutron Hi-Lume

Code example: **BXIO** - A 4 2 4 W - LL 1 B - W - LL 8 2 7 - 0

Series	Mounting	Nominal Length	Body Finish	
<b>BXIO</b>	A4	Pendant (Aircraft Cable-4')	24 24"	W White
	P2	Pendant (Rigid Stem-2')	36 36"	B Black
	P3	Pendant (Rigid Stem-3')	48 48"	G Grey
	P4	Pendant (Rigid Stem-4')	60 60"	X Custom RAL
			XX Custom	
			LX Elbow	
			For exact lengths refer to dimensions table.	

Output (Direct) <sup>1</sup>	Output (Indirect) <sup>1</sup>	Voltage	Dimming	Louver	Distribution (Direct)	Distribution (Indirect)	CRI	Color Temp	Emergency
L 200lm/ft (4W)	L 360lm/ft (4W)	1 120V	A No Dimming	W Flat White	L Opal	B Batwing	8 +80	27 2700K	0 None
M 370lm/ft (9W)	M 690lm/ft (9W)	U <sup>2</sup> Universal 120V to 277V	B 0-10V to 1%	B Flat Black		L Opal	9 +90	30 3000K	9 90 mins
H 660lm/ft (15W)	H 1220lm/ft (15W)		C 0-10V to Fade-off	N Black Nickel				35 3500K	
V 780lm/ft (19W)	V 1450lm/ft (19W)		D DALI to 1%	C Specular Chrome				40 4000K	
D 430lm/ft (9W)	D 790lm/ft (12W)		E ELV Dimming	G Bright Gold				WD <sup>4</sup> 3000K-1800K	
W 810lm/ft (18W)	W 1510lm/ft (22W)		F DMX	E Diffuse Gold				TW <sup>5</sup> 2700K - 5000K	
U 610lm/ft (12W)	U 1140lm/ft (12W)		G <sup>3</sup> LUTRON	X Custom					
A 1020lm/ft (22W)	A 1890lm/ft (22W)								

### Notes:

- <sup>1</sup> Denotes output at 3000K, unless otherwise noted.
- <sup>2</sup> Not applicable for ELV dimming.
- <sup>3</sup> Hi-Lume 1% EcoSystem Soft-on, Fade-to-Black dimming.
- <sup>4</sup> Denotes output specific to Dim-to-Warm at 3000K.
- <sup>5</sup> Denotes output specific to Tunable White at full on.

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



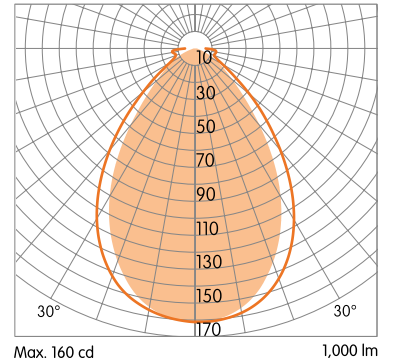
**Bold Lighting**  
4710 Ecton Dr., Marietta, GA 30066, USA  
info@boldlighting.us www.boldlighting.us  
t: +1-678-903-4061

LAMBERTIAN DISTRIBUTION



The Lambertian curve is the most versatile distribution for general lighting. It offers a soft and even illumination on both horizontal and vertical surfaces.

80° Beam Angle (Lambertian)



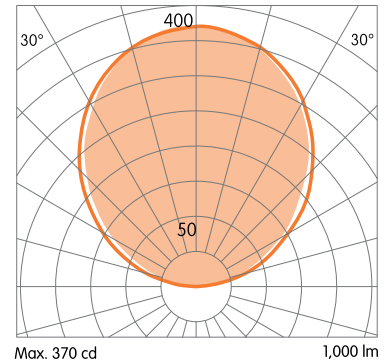
## OPTICAL FLEXIBILITY (INDIRECT)

### 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

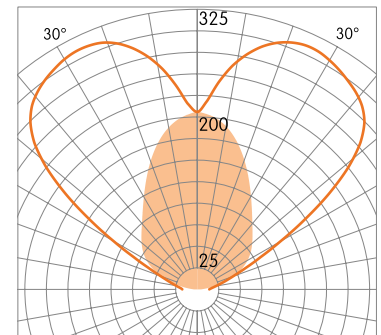
1,000 lm

### 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



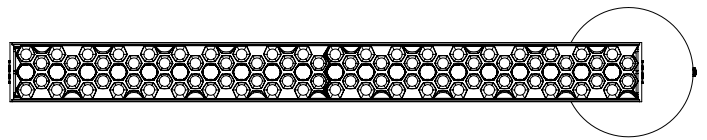
DIRECT

Actual

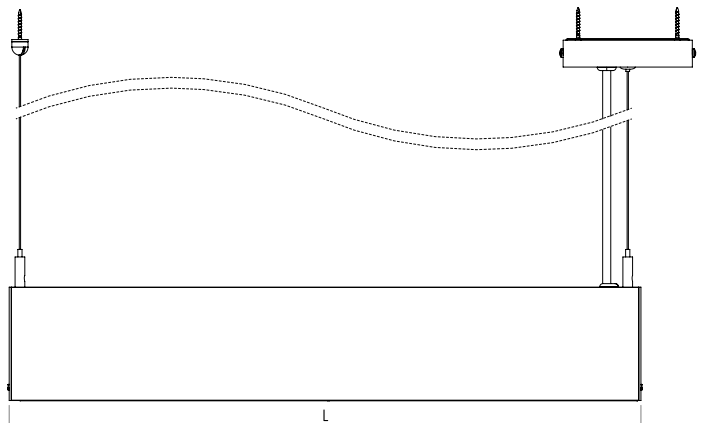
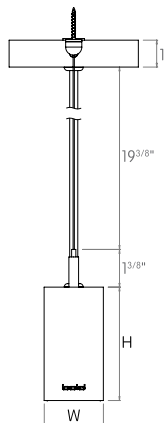
L= 23<sup>1</sup>/<sub>8</sub>" | 34<sup>7</sup>/<sub>16</sub>" | 45<sup>3</sup>/<sub>4</sub>" | 57" | Continuous runs

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

H= 4<sup>1</sup>/<sub>8</sub>"



INDIRECT



## DELIVERED LUMEN OUTPUT (DIRECT)

Output		CRI +80			CRI +90		
<b>STATIC-WHITE</b>		<b>2700K</b>	<b>3000K</b>	<b>4000K</b>	<b>2700K</b>	<b>3000K</b>	<b>4000K</b>
<b>L</b>	4W	190lm	200lm	210lm	150lm	160lm	170lm
<b>M</b>	9W	360lm	370lm	400lm	290lm	310lm	330lm
<b>H</b>	15W	630lm	660lm	710lm	520lm	550lm	580lm
<b>V</b>	19W	750lm	780lm	840lm	620lm	650lm	680lm
<b>DIM-TO-WARM 3000K-1800K</b>					<b>3000K</b>		
<b>D</b>	9W				430lm		
<b>W</b>	18W				810lm		
<b>TUNABLE WHITE 2700K-5000K</b>		<b>2700K</b>	<b>5000K</b>		<b>2700K</b>	<b>5000K</b>	
<b>U</b>	12W	540lm	610lm		450lm	490lm	
<b>A</b>	22W	900lm	1020lm		740lm	820lm	

## DELIVERED LUMEN OUTPUT (INDIRECT)

Output		CRI +80			CRI +90		
<b>STATIC-WHITE</b>		<b>2700K</b>	<b>3000K</b>	<b>4000K</b>	<b>2700K</b>	<b>3000K</b>	<b>4000K</b>
<b>L</b>	4W	350lm	360lm	390lm	290lm	300lm	320lm
<b>M</b>	9W	660lm	690lm	750lm	550lm	580lm	600lm
<b>H</b>	15W	1170lm	1220lm	1320lm	970lm	1020lm	1070lm
<b>V</b>	19W	1390lm	1450lm	1570lm	1140lm	1200lm	1270lm
<b>DIM-TO-WARM 3000K-1800K</b>					<b>3000K</b>		
<b>D</b>	12W				790lm		
<b>W</b>	22W				1510lm		
<b>TUNABLE WHITE 2700K-5000K</b>		<b>2700K</b>	<b>5000K</b>		<b>2700K</b>	<b>5000K</b>	
<b>U</b>	12W	1000lm	1140lm		830lm	920lm	
<b>A</b>	22W	1670lm	1890lm		1380lm	1530lm	

## DIMENSIONS TABLE

		24"		36"		48"		60"				
Height		Width		Actual Length		Actual Length		Actual Length				
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		
<b>Pendant</b>	105	4 1/8	55	4 3/16	586.5	23 1/8	873.5	34 7/16	1160.5	45 3/4	1447.5	57

