

# BILLET

INDOOR OPAL - REMOTE

**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.

The Billet Opal delivers bold vertical and horizontal illumination perfect for ambient lighting and washing. 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 :** IP44  
**Chicago plenum rated**

## LIGHT SOURCE

**Direct Light Source :** Mid-Power LEDs  
**Luminous Output :** from 1110lm/m to 4755lm/m (Delivered)  
**Light Source CCT :** 2700K / 3000K / 3500K / 4000K / Tunable White (2700K-5000K)  
**Color Rendering Index :** Ra90  
**Lifetime :** L80 B10 @ 70,000 Hrs

## INSTALLATION

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

## OPTICS

**Optical Distribution :** Lambertian

## ELECTRICAL

**Input Voltage :** 220-240V / UNV 120-277V - 50Hz/60Hz  
**Load :** 16W/m to 66W/m  
**Output Type :** Constant Voltage  
**Driver Type :** Remote  
**Dimming :** 0-10V / DALI / ELV / DMX / Lutron Hi-Lume  
**Code Compliance :** ETL / CSA / CE

Series	Mounting	Nominal Length <sup>1</sup>
<b>BJO</b>	<b>S</b> Surface Mounted	<b>12</b> 300 mm
	<b>P</b> Pendant	<b>24</b> 600 mm
	<b>M</b> Millwork	<b>36</b> 900 mm
		<b>48</b> 1200 mm
		<b>60</b> 1500 mm
		<b>72</b> 1800 mm
		<b>84</b> 2100 mm
		<b>96</b> 2400 mm
		<b>108</b> 2700 mm
		<b>120</b> 3000 mm
<b>XX</b> Custom mm		
For custom lengths and shapes, consult factory. For exact lengths refer to dimensions table.		

Code example: **BJO**-P12W-L21-O-L927-0

Body Finish	Output	Voltage	Dimming	Diffuser	Beam Angle	CRI	Color Temp	Emergency
<b>B</b> Black	<b>L<sup>2</sup></b> 1175lm/m (16W)	<b>2</b> 220-240V	<b>H</b> No Dimming	<b>O</b> Opal	<b>L</b> Opal	<b>9</b> +90	<b>27</b> 2700K	<b>0</b> No
<b>G</b> Grey	<b>M<sup>2</sup></b> 2360lm/m (33W)	<b>U<sup>4</sup></b> Universal 120 to 277V	<b>I</b> 0-10V to 1%				<b>30</b> 3000K	<b>9<sup>6</sup></b> 90 mins
<b>W</b> White	<b>H<sup>2</sup></b> 3540lm/m (49W)		<b>K</b> DALI to 1%				<b>35</b> 3500K	
<b>X</b> Custom RAL	<b>V<sup>2</sup></b> 4525lm/m (66W)		<b>L</b> ELV Dimming				<b>40</b> 4000K	
	<b>U<sup>3</sup></b> 2480lm/m (33W)		<b>M</b> DMX				<b>TW</b> 2700K - 5000K	
	<b>A<sup>3</sup></b> 4755lm/m (66W)		<b>N<sup>5</sup></b> LUTRON					

Notes:  
<sup>1</sup> 150 mm 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.



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## OPTICAL FLEXIBILITY

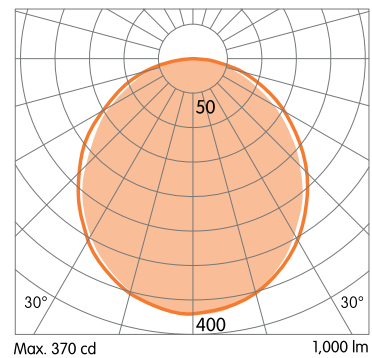
### LAMBERTIAN DISTRIBUTION



Lambertian distributions are optimal for general lighting, providing a soft and uniform illumination on both horizontal and vertical surfaces.

Billet's opal lens is ideal for commercial, retail, institutional, and any other environment where comfortable and even illumination is needed.

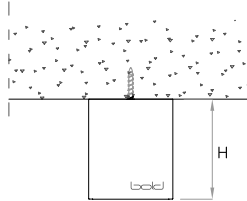
120° Beam Angle (Lambertian)



# MOUNTING FLEXIBILITY

Per Millimeter

## SURFACE MOUNTED

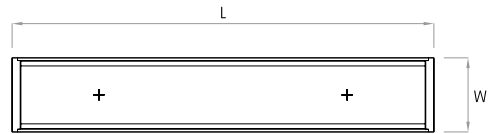


Actual (mm)

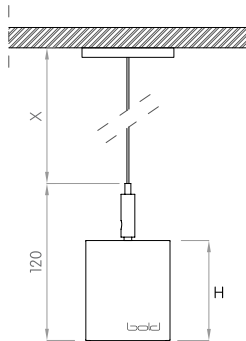
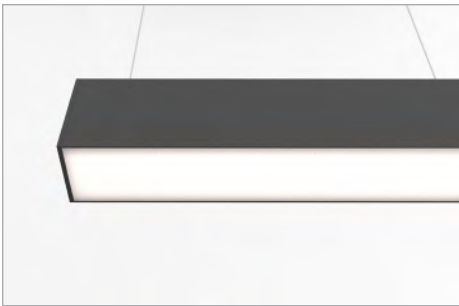
L= 313 | 613 | 913 | 1213 | 1513 | 1813 | 2113 | 2413 | 2713  
3013 | Continuous runs

W= 55

H= 65



## PENDANT



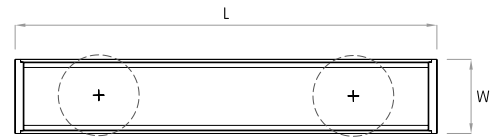
Actual (mm)

L= 313 | 613 | 913 | 1213 | 1513 | 1813 | 2113 | 2413 | 2713  
3013 | Continuous runs

W= 55


H= 65

X= 1500 or 3000

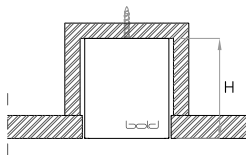
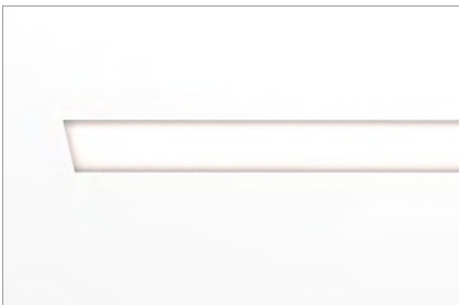


Note:

Pendants are provided with a default 5ft gray electric feed. Please request a modification if a different length or color is required.

 (L+3 x W+3)

## MILLWORK

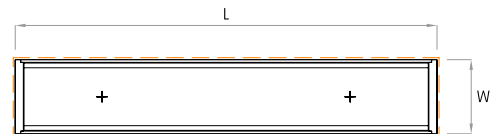


Actual (mm)

L= 313 | 613 | 913 | 1213 | 1513 | 1813 | 2113 | 2413 | 2713  
3013 | Continuous runs

W= 55

H= 65



## DELIVERED LUMEN OUTPUT

Per Meter

Output      Watts      CRI +90

STATIC-WHITE		2700K	3000K	3500K	4000K
<b>L</b>	16W	1110 lm	1175 lm	1210 lm	1235 lm
<b>M</b>	33W	2230 lm	2360 lm	2430 lm	2480 lm
<b>H</b>	49W	3345 lm	3540 lm	3645 lm	3720 lm
<b>V</b>	66W	4280 lm	4525 lm	4665 lm	4755 lm

TUNABLE WHITE 2700K-5000K		2700K	5000K
<b>U</b>	33W	2230 lm	2480 lm
<b>A</b>	66W	4280 lm	4755 lm

## DIMENSIONS TABLE

Per Meter

	12"	24"	36"	48"	60"	72"	84"	96"	108"	120"
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Height      Width      Actual Length

	Height	Width	12"	24"	36"	48"	60"	72"	84"	96"	108"	120"
<b>Surface Mounted</b>	65	55	313	613	913	1213	1513	1813	2113	2413	2713	3013
<b>Pendant</b>	65	55	313	613	913	1213	1513	1813	2113	2413	2713	3013
<b>Millwork</b>	65	55	313	613	913	1213	1513	1813	2113	2413	2713	3013

