

BILLET

OPAL - WET LOCATION

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 : IP67 Inground
 IP66 Ceiling Recessed
IK Rating : IK10
 Chicago plenum rated

LIGHT SOURCE

Direct Light Source : Mid-Power LEDs
Luminous Output : from 280lm/ft. to 1216lm/ft. (Delivered)
Light Source CCT : 2700K / 3000K / 3500K
 4000K / Tunable White (2700K-5000K) /
 Dim-to-Warm (3000K-1800K)
Color Rendering Index : Ra90

INSTALLATION

Environment : Wet Location
Mounting : Inground / Ceiling Recessed
 (Trim & Trimless) / Wall Recessed
 (Trim & Trimless) / Wall Mounted /
 Surface Mounted / Pendant

OPTICS

Optical Distribution : Elliptical (20°x40°)
 Asymmetric / Lambertian
Glare Control : UGR<19

ELECTRICAL

Input Voltage : 120V / UNV 120-277V -
 50Hz/60Hz
Load : 4W/ft. to 22W/ft.
Output Type : Constant Current
Driver Type : Integral
Dimming : 0-10V / DALI / ELV / DMX
 Lutron Hi-Lume
Code Compliance : ETL / CSA / CE

Series	Mounting	Nominal Length ¹
BOO	R Recessed with Trim	12 12"
	T Recessed Trimless	24 24"
	S Surface Mounted	36 36"
	P Pendant	48 48"
	I Inground	60 60"
	W Wall Mounted	XX Custom in
For custom lengths and shapes, consult factory. For exact lengths refer to dimensions table.		

Code example: **BOO**-P12W-L1B-O-E927-0

Body Finish	Output	Voltage	Dimming	Diffuser	Beam Angle	CRI	Color Temp	Emergency
B Black	L² 293lm/ft (4W)	1 120V	A No Dimming	O Opal	L Opal	9 +90	27 2700K	0 No
G Grey	M² 572lm/ft (9W)	U⁵ Universal 120V to 277V	B 0-10V to 1%		A Asymmetric		30 3000K	9 90 mins
W White	H² 910lm/ft (15W)		C 0-10V to Fade-off		E Elliptical		35 3500K	
X Custom RAL	V² 1138lm/ft (19W)		D DALI to 1%				40 4000K	
	D³ 713lm/ft (12.5W)		E ELV Dimming				WD 3000K-1800K	
	W³ 982lm/ft (18W)		F DMX				TW 2700K-5000K	
	U⁴ 299lm/ft (12W)		G⁶ LUTRON					
	A⁴ 494lm/ft (22W)							

Notes:

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

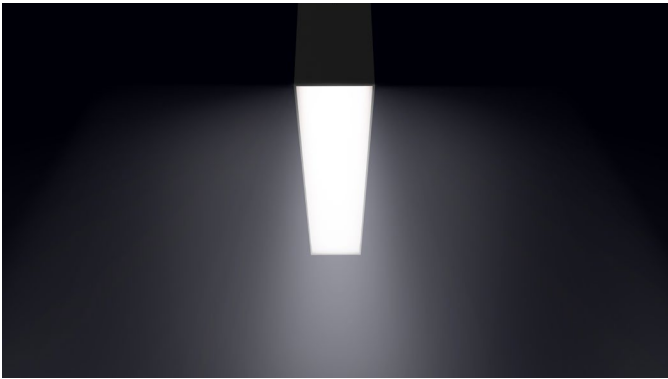
Consult factory for lead-times.
 Consult factory for systems using multiple optics and mounting configurations.



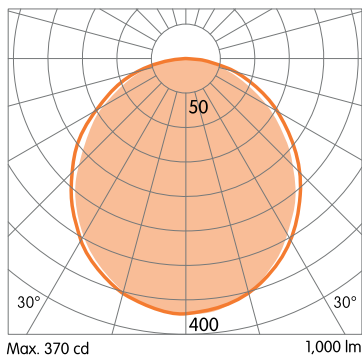
Bold Lighting
 4710 Ecton Dr., Marietta, GA 30066, USA
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OPTICAL FLEXIBILITY

LAMBERTIAN DISTRIBUTION

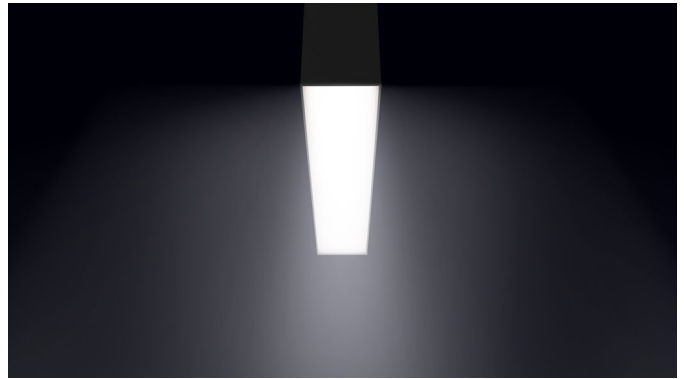


120° Beam Angle (Lambertian)

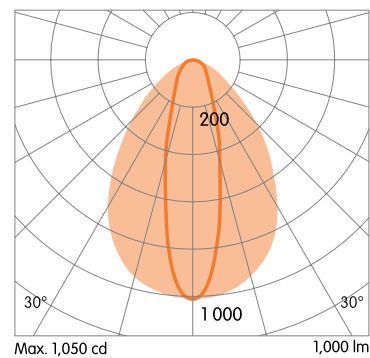


Lambertian distributions are optimal for general lighting, providing a soft and uniform illumination on both horizontal and vertical surfaces. Billet's opal lens is ideal for commercial, retail, institutional, and any other environment where comfortable and even illumination is needed.

ELLIPTICAL DISTRIBUTION

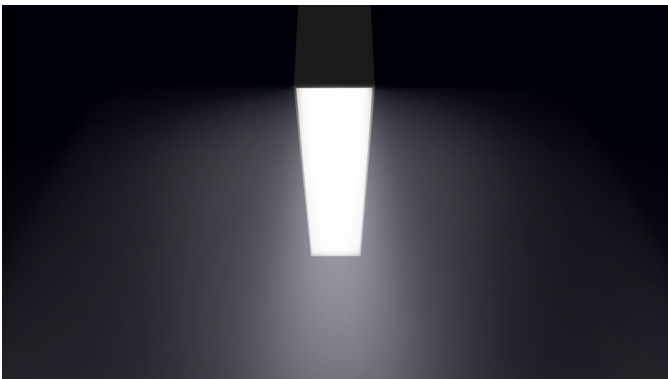


Elliptical Beam Angle

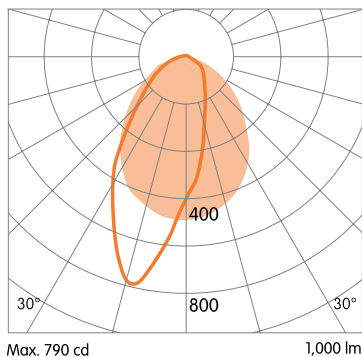


Elliptical distributions can be used anywhere focused illumination is needed. Billet's elliptical beam is ideal for applications such as grazing texture on vertical surfaces and illuminating long narrow spaces without scallops.

ASYMMETRIC DISTRIBUTION



Asymmetric Beam



Asymmetric distributions are optimal for evenly wallwashing vertical surfaces, as well as providing asymmetric illumination on horizontal surfaces. Billet's asymmetric lens provides a high uniformity and performance for all applications.

MOUNTING FLEXIBILITY

SURFACE MOUNTED



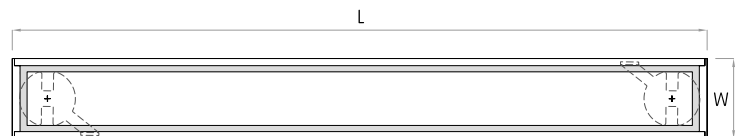
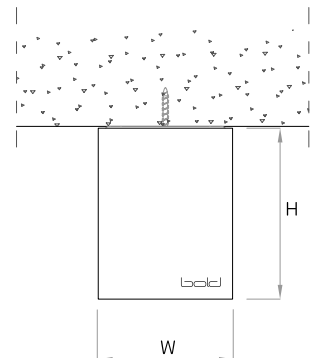
Actual

L= 24^{1/2"} | 36^{5/16"} | 48^{1/8"} | 59^{5/16"} |

Continuous runs

W= 2^{13/16"}

H= 3^{9/16"}



RECESSED WITH TRIM



(L-13^{1/16"} x W-13^{1/16"})

Actual

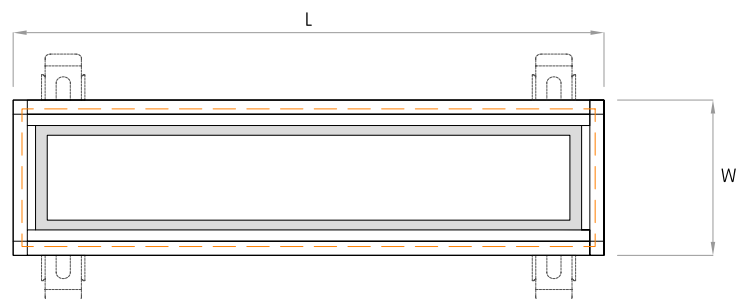
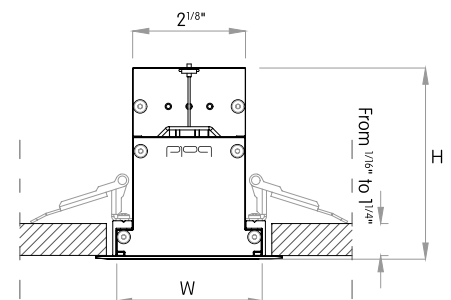
L= 13^{3/16"} | 25" | 36^{13/16"} |

48^{5/8"} | 60^{7/16"} |

Continuous runs

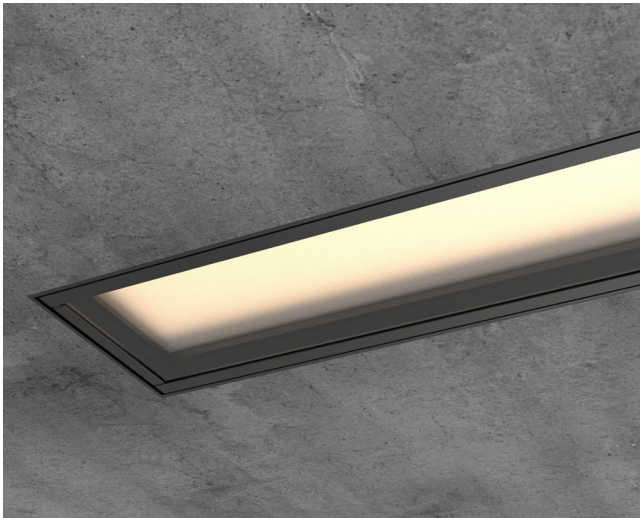
W= 3^{7/16"}

H= 3^{9/16"}



MOUNTING FLEXIBILITY

RECESSED TRIMLESS



$$(L + 1/16" \times W + 1/16")$$

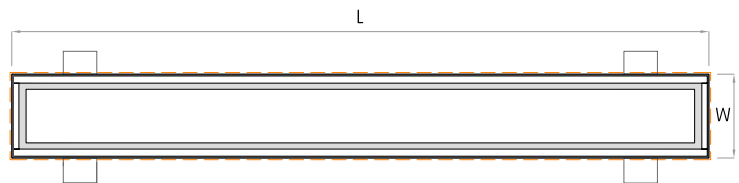
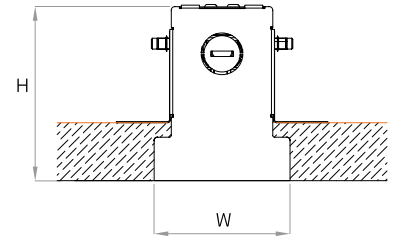
Actual

L = 24⁵/₈" | 36³/₈" | 48¹/₄" | 60"

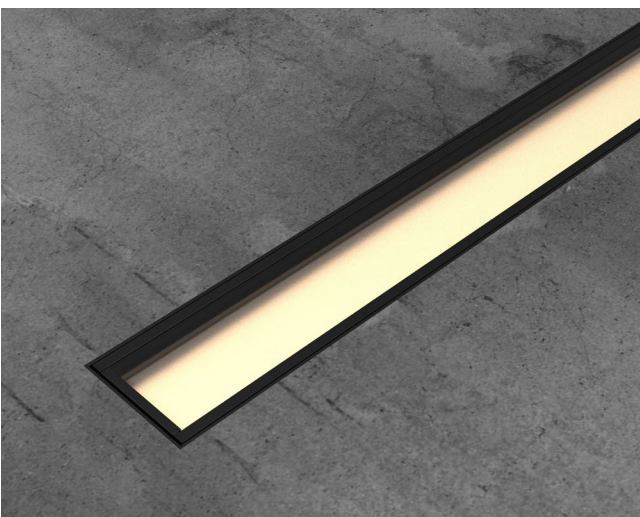
Continuous runs

W = 2¹⁵/₁₆"

H = 3¹¹/₁₆"



INGROUND



Actual

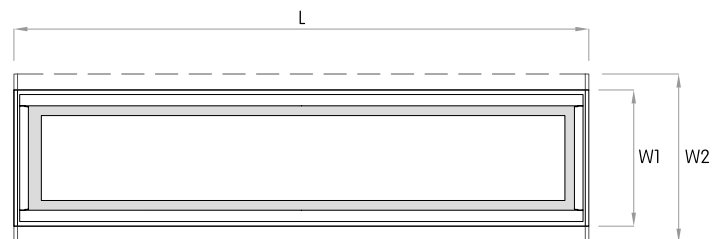
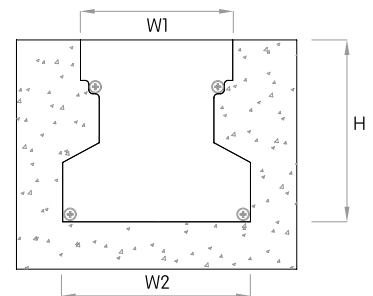
L = 12¹³/₁₆" | 24⁵/₈" | 36⁷/₁₆" |

48¹/₄" | 60"

Continuous runs

W1 = 3" | W2 = 3³/₄"

H = 3⁵/₈"



MOUNTING FLEXIBILITY

PENDANT



Actual

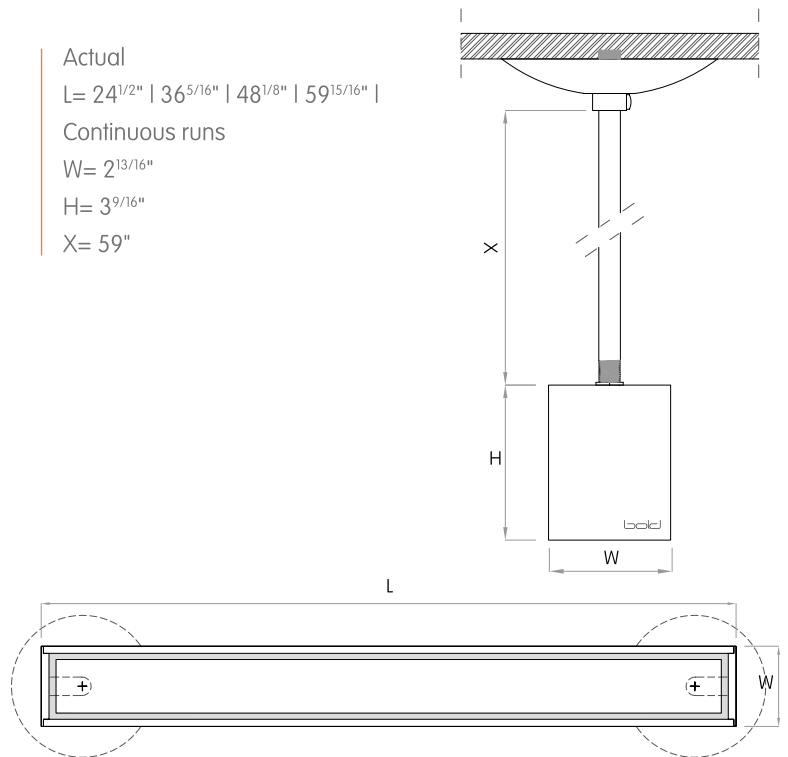
L= 24¹/₂" | 36⁵/₁₆" | 48¹/₈" | 59¹⁵/₁₆" |

Continuous runs

W= 2¹³/₁₆"

H= 3⁹/₁₆"

X= 59"



WALL MOUNTED



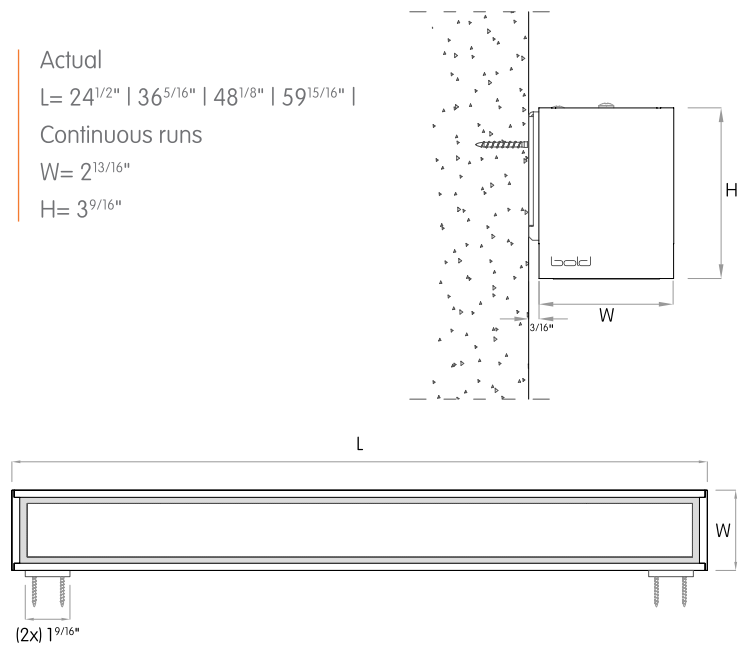
Actual

L= 24¹/₂" | 36⁵/₁₆" | 48¹/₈" | 59¹⁵/₁₆" |

Continuous runs

W= 2¹³/₁₆"

H= 3⁹/₁₆"



DELIVERED LUMEN OUTPUT

Output	Watts	CRI +90			
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STATIC-WHITE		2700K	3000K	3500K	4000K
L	4W	280lm	293lm	307lm	312lm
M	9W	546lm	572lm	601lm	611lm
H	15W	871lm	910lm	956lm	975lm
V	19W	1092lm	1138lm	1194lm	1216lm

DIM-TO-WARM 3000K-1800K		3000K
D	12.5W	713lm
W	18W	982lm

TUNABLE WHITE 2700K-5000K		2700K	5000K
U	12W	267lm	299lm
A	22W	449lm	494lm

DIMENSIONS TABLE

					12"		24"		36"		48"		60"	
Height			Width		Actual Length		Actual Length		Actual Length		Actual Length		Actual Length	
Surface Mounted	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
	91	3 9/16	72	2 13/16			623	24 1/2	923	36 5/16	1223	48 1/8	1523	59 15/16
Recessed with Trim	91	3 9/16	88	3 7/16	335	13 3/16	635	25	935	36 13/16	1235	48 5/8	1535	60 7/16
Recessed Trimless	93	3 11/16	75	2 15/16			625	24 5/8	925	36 3/8	1225	48 1/4	1525	60
Pendant	91	3 9/16	72	2 13/16			623	24 1/2	923	36 5/16	1223	48 1/8	1523	59 15/16
Inground (with housing)	92	3 5/8	95	3 3/4	325	12 13/16	625	24 5/8	925	36 7/16	1225	48 1/4	1525	60
Wall Mounted	91	3 9/16	72	2 13/16			623	24 1/2	923	36 5/16	1223	48 1/8	1523	59 15/16