

BILLET

INDOOR SYMMETRIC BAFFLES - INTEGRAL

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 Symmetrical Baffles were designed to provide unmatched performance while maintaining minimal glare. 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 : Ceiling Recessed (Trim & Trimless) / Wall Recessed (Trim & Trimless) / Millwork / Surface Mounted / Pendant
Dimensions : Refer to dimension table

OPTICS

Optical Distribution : 10° / 20° / 28° / 50°
 Elliptical (10°x28°) / (10°x36°)
Glare Control : UGR<19

LIGHT SOURCE

Direct Light Source : Hi-power LEDs
Luminous Output : from 480lm/ft. to 1840lm/ft. (Delivered)
Light Source CCT : 2700K / 3000K / 3500K / 4000K / Tunable White (2700K-5000K) / Dim-to-Warm (3000K-1800K) / RGBW
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 : Constant Current
Driver Type : Integral
Dimming : 0-10V / DALI / ELV / DMX / Lutron Hi-Lume
Code Compliance : ETL / CSA / CE

Series	Mounting	Nominal Length ¹
BIS	R Recessed with Trim	12 12"
	T Recessed Trimless	24 24"
	S Surface Mounted	36 36"
	P Pendant	48 48"
	M Millwork	60 60"
		XX Custom in

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

Code example: **BIS** - P12W-L1B-W-E927-0

Body Finish	Output	Voltage	Dimming	Baffles	Beam Angle	CRI	Color Temp	Emergency
B Black	L² 550lm/ft (5W)	1 120V	A No Dimming	W Flat White	S 10°	9 +90	27 2700K	0 No
G Grey	M² 950lm/ft (10W)	U⁶ Universal 120 to 277V	B 0-10V to 1%	B Flat Black	N 20°		30 3000K	9⁹ 90 mins
W White	H² 1330lm/ft (15W)		D DALI to 1%	N Black Nickel	M 28°		35 3500K	
X Custom RAL	V² 1720lm/ft (20W)		E ELV Dimming	C Specular Chrome	F 50°		40 4000K	
	D³ 520lm/ft (9W)		F DMX	E Diffuse Gold	E 10°x 28°		WD 3000K-1800K	
	W³ 1475lm/ft (18W)		G⁷ LUTRON	X Custom	G 10°x 36°		TW 2700K - 5000K	
	U⁴ 805lm/ft (10W)						CC⁸ RGBW	
	A⁴ 1480lm/ft (20W)							
	C⁵ 1240lm/ft (20W)							

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 Denotes RGBW (C) output with all colors at full power.
⁶ Not applicable for ELV dimming.
⁷ Hi-lume, Vive, and Athena compatible.
⁸ Only available with DMX dimming.
⁹ Not applicable for integral driver.

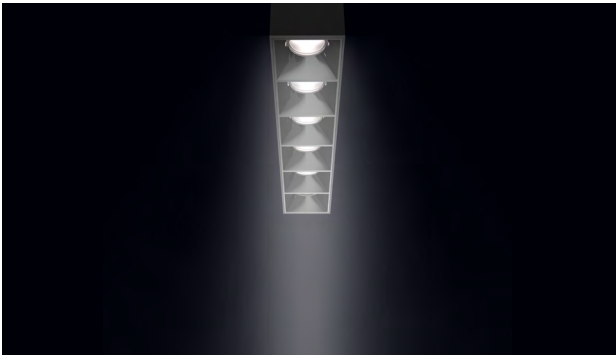
Consult factory for lead-times.
 Consult factory for systems using multiple optics and mounting configurations.



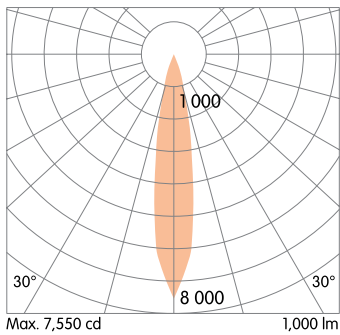
Bold Lighting
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OPTICAL FLEXIBILITY

SUPER-NARROW BEAM SYMMETRICAL BAFFLE



10° Beam Angle

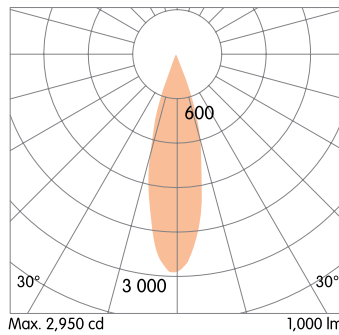


A super-narrow 10° beam is ideal for high-ceiling applications and for emphasizing texture on vertical surfaces and architectural elements.

NARROW BEAM SYMMETRICAL BAFFLE



20° Beam Angle

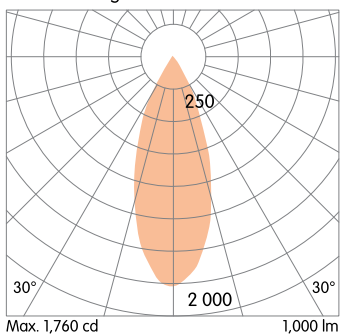


The 20° narrow beam is a versatile distribution that works in a wide range of applications and spaces. This optic is a nice balance between light punch and ambient uniformity.

FLOOD BEAM SYMMETRICAL BAFFLE



50° Beam Angle

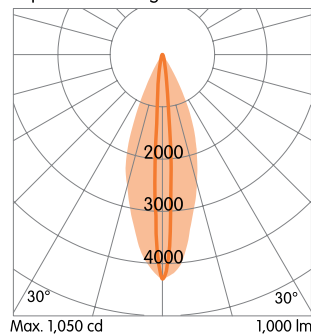


A 50° flood beam is the optimal option for achieving efficient ambient lighting with excellent uniformity and very low glare.

ELLIPTICAL DISTRIBUTION



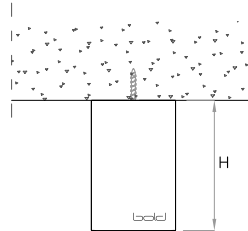
Elliptical Beam Angle



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

MOUNTING FLEXIBILITY

SURFACE MOUNTED

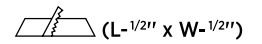
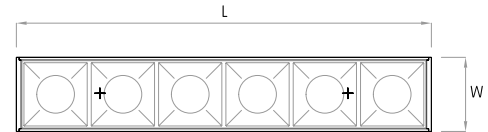


Actual

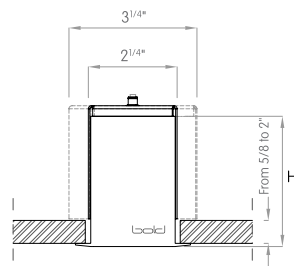
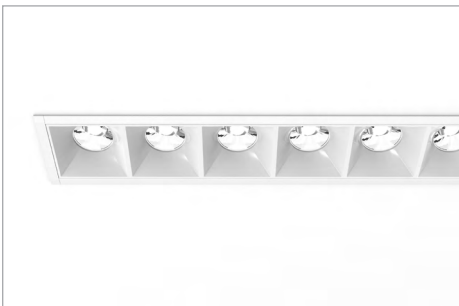
L= 12^{1/8"} | 23^{15/16"} | 35^{3/4"} | 47^{9/16"} | 59^{3/8"} | Continuous runs

W= 2^{3/16"}

H= 3^{3/8"}



RECESSED WITH TRIM

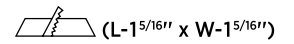
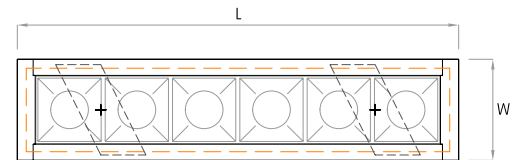


Actual

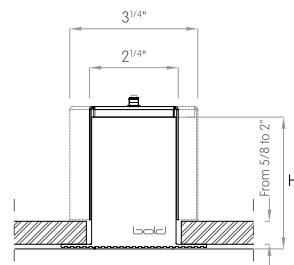
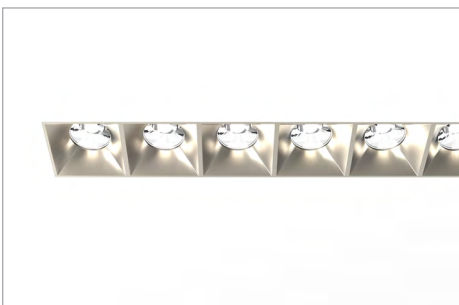
L= 12^{15/16"} | 24^{3/4"} | 36^{1/2"} | 48^{3/8"} | 60^{3/16"} | Continuous runs

W= 3"

H= 3^{3/8"}



RECESSED TRIMLESS

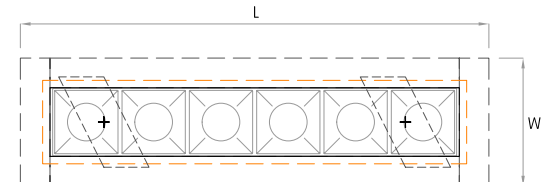


Actual

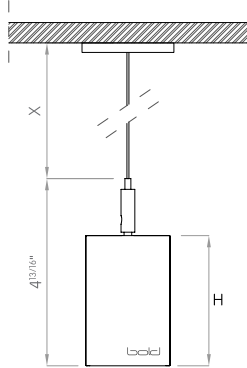
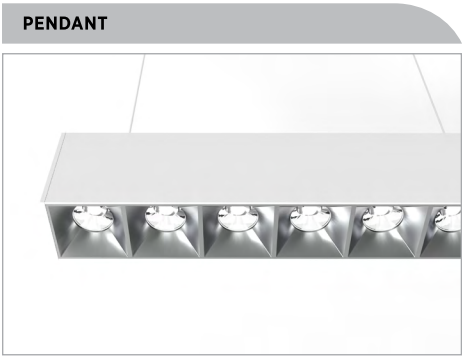
L= 13^{11/16"} | 25^{1/2"} | 37^{5/16"} | 49^{1/8"} | 60^{15/16"} | Continuous runs

W= 3^{3/4"}

H= 3^{3/8"}



MOUNTING FLEXIBILITY



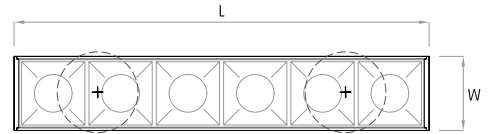
Actual


L= 12¹/₈" | 23¹⁵/₁₆" | 35³/₄" | 47⁹/₁₆" | 59³/₈" | Continuous runs


W= 2³/₁₆"

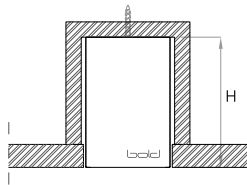
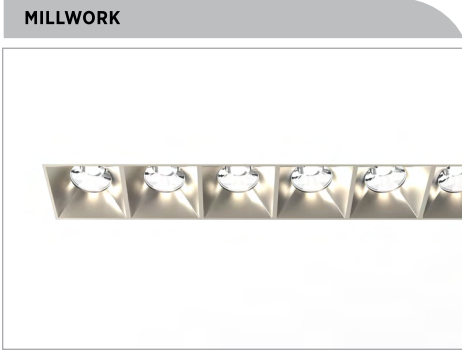
H= 3³/₈"

X= 59" or 118"



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

 (L+¹/₈" x W+¹/₈")

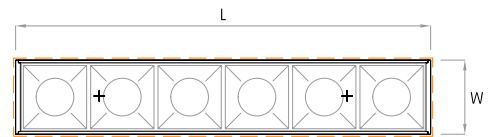


Actual

L= 12¹/₈" | 23¹⁵/₁₆" | 35³/₄" | 47⁹/₁₆" | 59³/₈" | Continuous runs

W= 2³/₁₆"

H= 3³/₈"



DELIVERED LUMEN OUTPUT

Per Linear Foot

Output Watts CRI +90

STATIC-WHITE		2700K	3000K	3500K	4000K
L	5W	480 lm	550 lm	515 lm	525 lm
M	10W	895 lm	950 lm	965 lm	985 lm
H	15W	1305 lm	1330 lm	1405 lm	1435 lm
V	20W	1670 lm	1720 lm	1805 lm	1840 lm

DIM-TO-WARM 3000K-1800K		3000K			
D	9W	520 lm			
W	18W	1475 lm			

TUNABLE WHITE 2700K-5000K		2700K	5000K		
U	10W	805 lm	805 lm		
A	20W	1480 lm	1480 lm		

RGBW		R	G	B	W
TOTAL	20W	765 lm	1240 lm	190 lm	1185 lm

DIMENSIONS TABLE

		12"		24"		36"		48"		60"				
		Height		Width		Actual Length								
Surface Mounted	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
		85	3 3/8	55	2 3/16	308	12 1/8	608	23 15/16	908	35 3/4	1208	47 9/16	1508
Recessed with Trim	85	3 3/8	75	3	328	12 15/16	625	24 3/4	925	36 1/2	1228	48 3/8	1528	60 3/16
Recessed Trimless	85	3 3/8	95	3 3/4	348	13 11/16	648	25 1/2	948	37 5/16	1248	49 1/8	1548	60 15/16
Pendant	85	3 3/8	55	2 3/16	308	12 1/8	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8
Millwork	85	3 3/8	55	2 3/16	308	12 1/8	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8

