

BILLET

INDOOR OPAL - INTEGRAL



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

INSTALLATION

Environment : Dry / Damp Location
Mounting : Ceiling Recessed (Trim & Trimless) / Wall Mounted
Millwork / Surface Mounted / Pendant
Dimensions : Refer to dimension table

OPTICS

Optical Distribution : Lambertian

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

ELECTRICAL

Input Voltage : 220-240V / UNV 120-277V - 50Hz/60Hz
Load : 16W/m to 66W/m
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
BIO	R Recessed with Trim	12 300 mm
	T Recessed Trimless	24 600 mm
	S Surface Mounted	36 900 mm
	P Pendant	48 1200 mm
	M Millwork	60 1500 mm
	W Wall Mounted	72 1800 mm
		84 2100 mm
		96 2400 mm
		108 2700 mm
		120 3000 mm
		XX Custom mm
For custom lengths and shapes, consult factory. For exact lengths refer to dimensions table.		

Code example: **BIO** - P12W - L2B - O - L927 - 0

Body Finish	Output	Voltage	Dimming	Diffuser	Beam Angle	CRI	Color Temp	Emergency
B Black	L² 1175lm/m (16W)	2 220-240V	A No Dimming	O Opal	L Opal	9 +90	27 2700K	0 No
G Grey	M² 2360lm/m (33W)	U⁴ Universal 120 to 277V	B 0-10V to 1%				30 3000K	9⁶ 90 mins
W White	H² 3540lm/m (49W)		D DALI to 1%				35 3500K	
X Custom RAL	V² 4525lm/m (66W)		E ELV Dimming				40 4000K	
	U³ 2480lm/m (33W)		F DMX				TW 2700K - 5000K	
	A³ 4755lm/m (66W)		G⁵ LUTRON					

Notes:

¹ 150 mm length increments available as a modification.

² Denotes output at 3000K, unless otherwise noted.

³ Denotes output specific to Tunable White at full on.

⁴ Not applicable for ELV dimming.

⁵ Hi-Lume, Vive, and Athena compatible.

⁶ Not applicable for integral driver.

Consult factory for lead-times.

Consult factory for systems using multiple optics and mounting configurations.



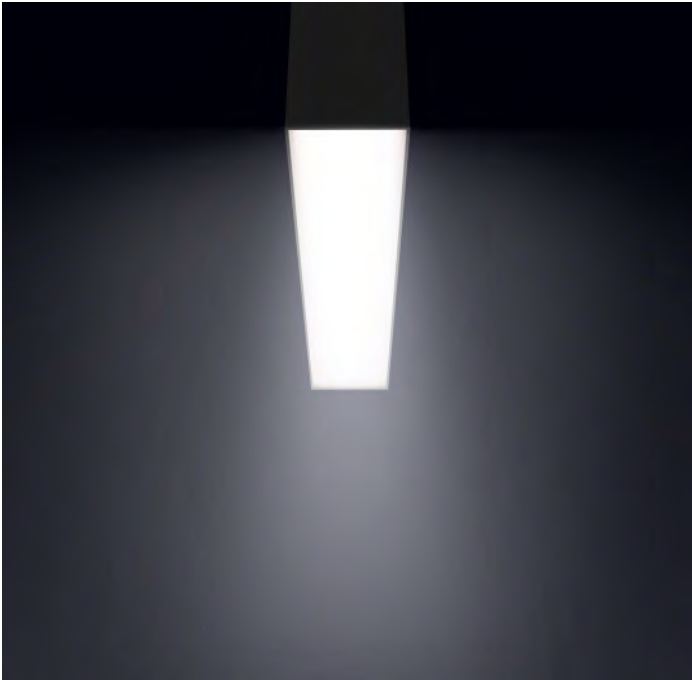
Bold Lighting

4710 Ecton Dr., Marietta, GA 30066, USA

info@boldlighting.us www.boldlighting.us t: +1-678-903-4061

OPTICAL FLEXIBILITY

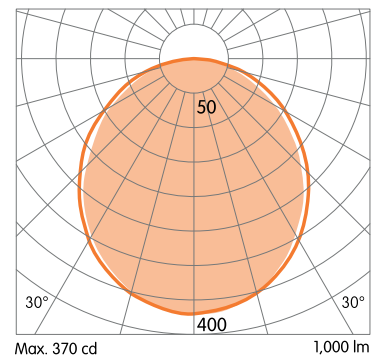
LAMBERTIAN DISTRIBUTION



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.

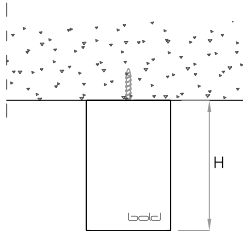
120° Beam Angle (Lambertian)



MOUNTING FLEXIBILITY

Per Millimeter

SURFACE MOUNTED

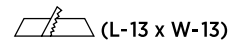
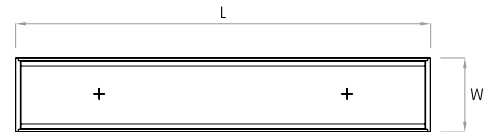


Actual (mm)

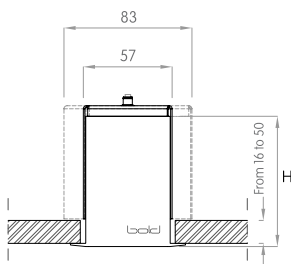
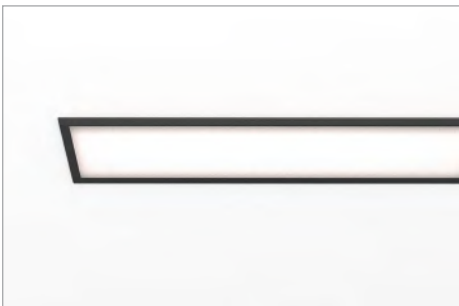
L= 308 | 608 | 908 | 1208 | 1508 | 1808 | 2108 | 2408 | 2708
3008 | Continuous runs

W= 55

H= 85



RECESSED WITH TRIM

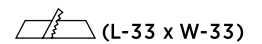
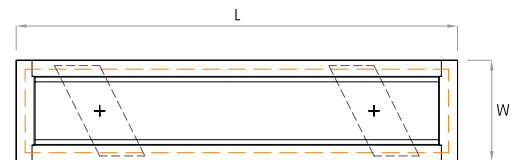


Actual (mm)

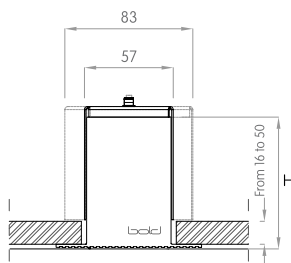
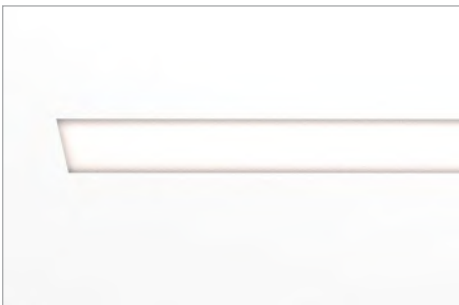
L= 328 | 628 | 928 | 1228 | 1528 | 1828 | 2128 | 2428 | 2728
3028 | Continuous runs

W= 75

H= 85



RECESSED TRIMLESS

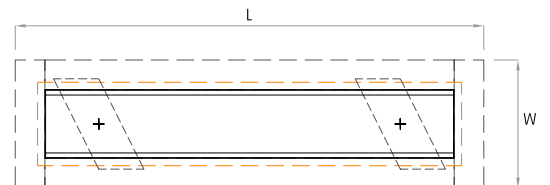


Actual (mm)

L= 348 | 648 | 948 | 1248 | 1548 | 1848 | 2148 | 2448 | 2748
3048 | Continuous runs

W= 95

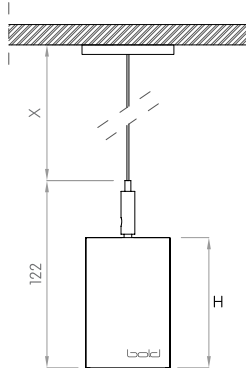
H= 85



MOUNTING FLEXIBILITY

Per Millimeter

PENDANT



Actual (mm)

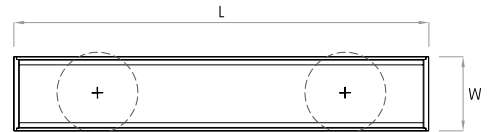
L= 308 | 608 | 908 | 1208 | 1508 | 1808 | 2108 | 2408 | 2708

3008 | Continuous runs

W= 55

H= 85

X= 1500 or 3000

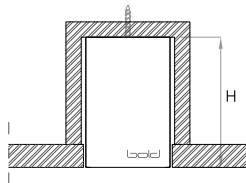
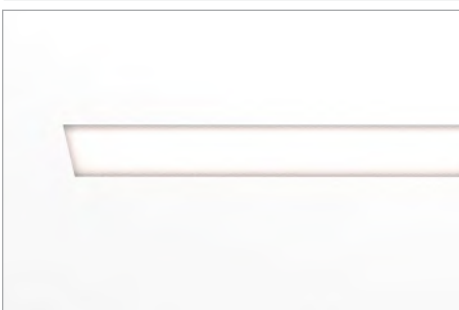


Note:

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



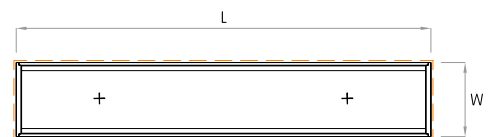
Actual (mm)

L= 308 | 608 | 908 | 1208 | 1508 | 1808 | 2108 | 2408 | 2708

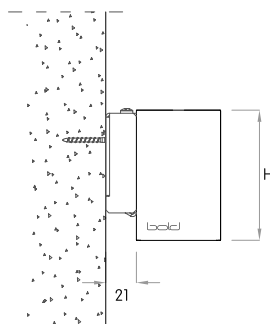
3008 | Continuous runs

W= 55

H= 85



WALL MOUNTED



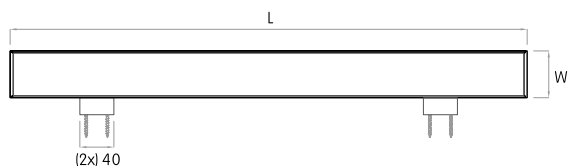
Actual (mm)

L= 308 | 608 | 908 | 1208 | 1508 | 1808 | 2108 | 2408 | 2708

3008 | Continuous runs

W= 55

H= 85



DELIVERED LUMEN OUTPUT
Per Meter

Output	Watts	CRI +90			
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STATIC-WHITE		2700K	3000K	3500K	4000K
L	16W	1110 lm	1175 lm	1210 lm	1235 lm
M	33W	2230 lm	2360 lm	2430 lm	2480 lm
H	49W	3345 lm	3540 lm	3645 lm	3720 lm
V	66W	4280 lm	4525 lm	4665 lm	4755 lm

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

DIMENSIONS TABLE
Per Meter

			12"	24"	36"	48"	60"	72"	84"	96"	108"	120"
	Height	Width	Actual Length									
Surface Mounted	85	55	308	608	908	1208	1508	1808	2108	2408	2708	3008
Recessed with Trim	85	75	328	628	928	1228	1528	1828	2128	2428	2728	3028
Recessed Trimless	85	95	348	648	948	1248	1548	1848	2148	2448	2748	3048
Pendant	85	55	308	608	908	1208	1508	1808	2108	2408	2708	3008
Millwork	85	55	308	608	908	1208	1508	1808	2108	2408	2708	3008
Wall Mounted	85	55	308	608	908	1208	1508	1808	2108	2408	2708	3008

