

BILLET

INDOOR PENDANT - DIRECT/INDIRECT
WALLGRAZER/WALLWASHER

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 wallwasher/wallgrazer delivers unmatched vertical illumination with virtually zero glare. Like all Bold products, 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

INSTALLATION

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

OPTICS

Optical Distribution : Direct - Wallgraze (15°) / Wallwash (25°)
Indirect - Batwing / Lambertian
Glare Control : UGR<19

LIGHT SOURCE

Direct Light Source : Hi-power LEDs
Mid-power LEDs
Luminous Output : [Direct - from 410lm/ft. to 2680lm/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 22W/ft.
Output Type : Constant Current
Driver Type : Integral
Dimming : 0-10V / DALI / ELV / DMX
Lutron Hi-Lume

Series	Mounting	Nominal Length	Body Finish
BIWO	A4	Pendant (Aircraft Cable-4')	24 24"
			30 30"
	P2	Pendant (Rigid Stem-2')	36 36"
			42 42"
	P3	Pendant (Rigid Stem-3')	48 48"
			54 54"
	P4	Pendant (Rigid Stem-4')	60 60"
			XX Custom
			LX Elbow
			For exact lengths refer to dimensions table.
		W White	
		B Black	
		G Grey	
		X Custom RAL	

Code example: **BIWO**-A424W-LL1B-W-GL827-0

Output (Direct) ¹	Output (Indirect) ¹	Voltage	Dimming	Baffles	Distribution (Direct)	Distribution (Indirect)	CRI	Color Temp	Emergency
L 510lm/ft (4W)	L 360lm/ft (4W)	1 120V	A No Dimming	W Flat White	G 15° - Grazer	B Batwing	8 +80	27 2700K	0 no
M 1090lm/ft (9W)	M 690lm/ft (9W)	U² Universal 120V to 277V	B 0-10V to 1%	B Flat Black	W 25° - Washer	L Opal	9 +90	30 3000K	9 90 mins
H 1770lm/ft (15W)	H 1220lm/ft (15W)		C 0-10V to Fade-off	N Black Nickel				35 3500K	
V 2530lm/ft (22W)	V 1450lm/ft (19W)		D DALI to 1%	C Specular Chrome				40 4000K	
D 890lm/ft (9W)	D 790lm/ft (12W)		E ELV Dimming	G Bright Gold				WD⁴ 3000K-1800K	
W 1700lm/ft (18W)	W 1510lm/ft (22W)		F DMX	E Diffuse Gold				TW⁵ 2700K-5000K	
U 1940lm/ft (12W)	U 1140lm/ft (12W)		G³ LUTRON	X Custom					
A 3130lm/ft (22W)	A 1890lm/ft (22W)								

Notes:

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

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



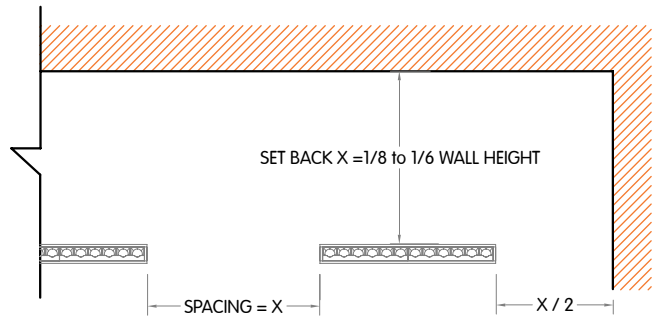
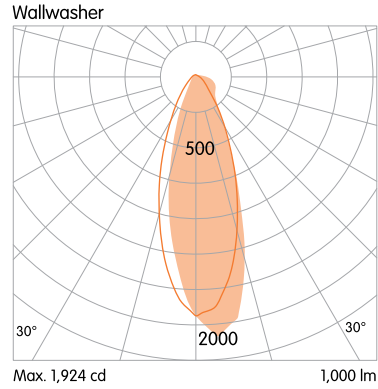
Bold Lighting
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OPTICAL FLEXIBILITY (DIRECT)

BAFFLED WALLWASHER



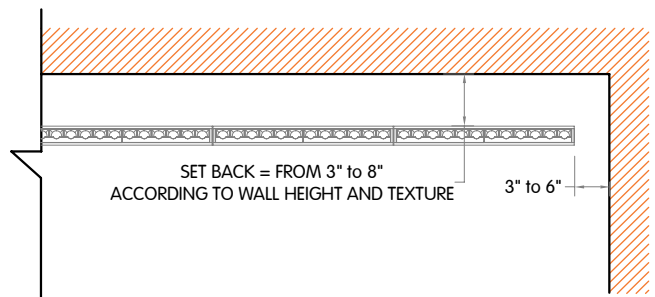
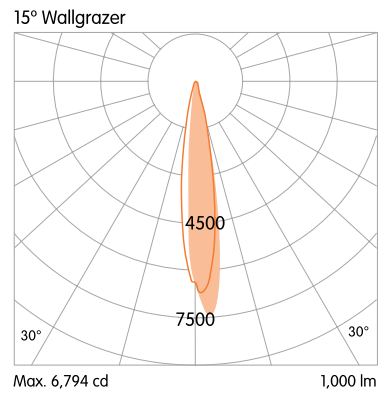
Billet wallwash provides even illumination of vertical surfaces with a flexible setback of 1/8 to 1/6 of the wall height. This optic is ideal for washing large areas where exceptional uniformity is required.



BAFFLED WALLGRAZER



Billet wallgrazer delivers maximum performance for emphasizing textured and rough vertical surfaces. The standard output illuminates walls up to 14'-0" with outstanding transversal and longitudinal glare control.



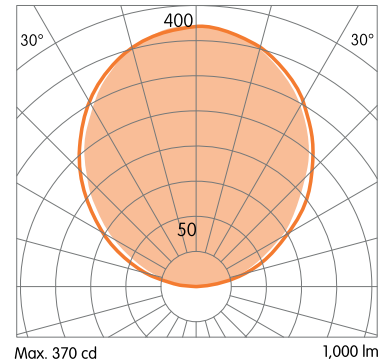
OPTICAL FLEXIBILITY (INDIRECT)

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

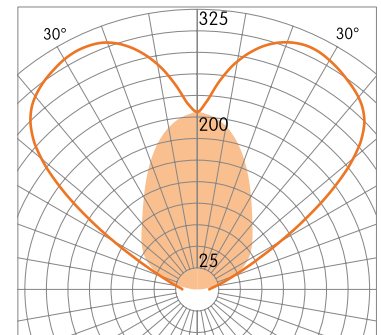
1,000 lm

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)



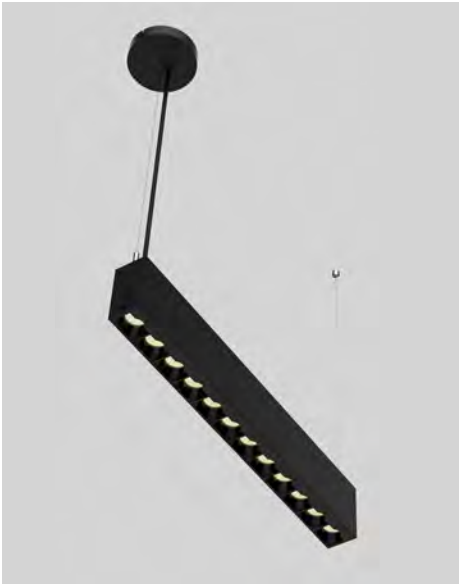
Max. 310 cd

1,000 lm



MOUNTING FLEXIBILITY

PENDANT



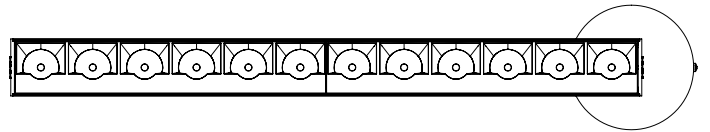
DIRECT

Actual

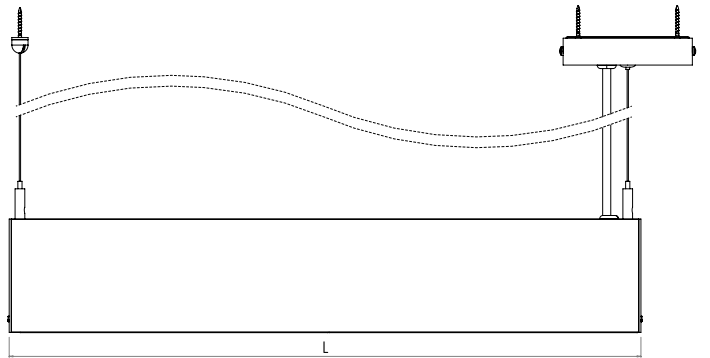
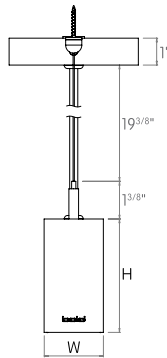
L= 23¹/₈" | 34⁷/₁₆" | 45³/₄" | 57" | Continuous runs

W= 2³/₁₆"

H= 4¹/₈"



INDIRECT



DELIVERED LUMEN OUTPUT (DIRECT)

Output		CRI +80			CRI +90		
STATIC-WHITE		2700K	3000K	4000K	2700K	3000K	4000K
L	4W	490lm	510lm	640lm	410lm	420lm	450lm
M	9W	1050lm	1090lm	1160lm	870lm	900lm	970lm
H	15W	1700lm	1770lm	1880lm	1410lm	1460lm	1580lm
V	22W	2430lm	2530lm	2680lm	2020lm	2080lm	2250lm
DIM-TO-WARM 3000K-1800K					3000K		
D	9W				890lm		
W	18W				1700lm		
TUNABLE WHITE 2700K-5000K		2700K	5000K		2700K	5000K	
U	12W	1590lm	1940lm		1370lm	1480lm	
A	22W	2580lm	3130lm		2210lm	2390lm	

DELIVERED LUMEN OUTPUT (INDIRECT)

Output		CRI +80			CRI +90		
STATIC-WHITE		2700K	3000K	4000K	2700K	3000K	4000K
L	4W	350lm	360lm	390lm	290lm	300lm	320lm
M	9W	660lm	690lm	750lm	550lm	580lm	600lm
H	15W	1170lm	1220lm	1320lm	970lm	1020lm	1070lm
V	19W	1390lm	1450lm	1570lm	1140lm	1200lm	1270lm
DIM-TO-WARM 3000K-1800K					3000K		
D	12W				790lm		
W	22W				1510lm		
TUNABLE WHITE 2700K-5000K		2700K	5000K		2700K	5000K	
U	12W	1000lm	1140lm		830lm	920lm	
A	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		
Pendant	105	4 1/8	55	4 3/16	608	23 15/16	908	35 11/16	1208	47 7/16	1508	59 3/16

