

BILLET

INDOOR PENDANT - DIRECT/INDIRECT
HONEYCOMB TIR

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 Honeycomb was designed to provide performance illumination and a decorative aesthetic while maintaining minimal glare. Like all Bold products, the Billet Honeycomb 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

LIGHT SOURCE

Direct Light Source : Hi-power LEDs
Mid-power LEDs
Luminous Output : [Direct - from 450lm/ft. to 2700lm/ft. (Delivered)]
[Indirect - from 290lm/ft. to 1570lm/ft. (Delivered)]
Light Source CCT : 2700K / 3000K / 3500K
4000K / Tunable White (2700K-5000K)
Color Rendering Index : Ra80 / Ra90

INSTALLATION

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

OPTICS

Optical Distribution : Direct - 10° / 20° / 35°
50° / Elliptical (10°x40°) (25°x50°)
Indirect - Batwing / Lamberian
Glare Control : UGR<19

ELECTRICAL

Input Voltage : UNV 120-277V - 50Hz/60Hz
Load : 4W/ft. to 19W/ft.
Output Type : Constant Current
Driver Type : Integral
Dimming : 0-10V / DALI / ELV / DMX
Lutron Hi-Lume

Series	Mounting	Nominal Length	Body Finish
BXIH	A4 Pendant (Aircraft Cable-4')	24 24"	W White
	P2 Pendant (Rigid Stem-2')	36 36"	B Black
	P3 Pendant (Rigid Stem-3')	48 48"	G Grey
	P4 Pendant (Rigid Stem-4')	60 60"	X Custom RAL
	XX Custom		
	LX Elbow		

For exact lengths refer to dimensions table.

Code example: **BXIH**-A412W-LL1B-W-SL827-0

Output (Direct) ¹	Output (Indirect) ¹	Voltage	Dimming	Louver	Beam Angle (Direct)	Distribution (Indirect)	CRI	Color Temp	Emergency
L 530lm/ft (4W)	L 360lm/ft (4W)	1 120V	A No Dimming	W Flat White	S 10°	B Batwing	8 +80	27 2700K	0 None
M 1050lm/ft (9W)	M 690lm/ft (9W)	U² Universal 120V to 277V	B 0-10V to 1%	B Flat Black	M 20°	L Opal	9 +90	30 3000K	9 90 mins
H 1580lm/ft (15W)	H 1220lm/ft (15W)		C 0-10V to Fade-off	N Black Nickel	F 35°			35 3500K	
V 1890lm/ft (19W)	V 1450lm/ft (19W)		D DALI to 1%	C Specular Chrome	W 50°			40 4000K	
U 2020lm/ft (9W)	U 1140lm/ft (12W)		E ELV Dimming	G Bright Gold	E 10°x 40°			TW⁴ 2700K - 5000K	
A 3290lm/ft (18W)	A 1890lm/ft (22W)		F DMX	E Diffuse Gold	G 25°x 50°				
			G³ LUTRON	X Custom					

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 Tunable White at full on.

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



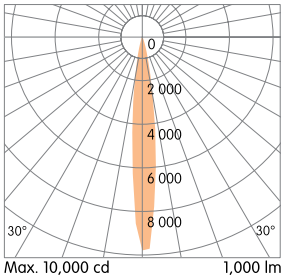
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OPTICAL FLEXIBILITY (DIRECT)

SUPER-NARROW DISTRIBUTION



10° Beam Angle

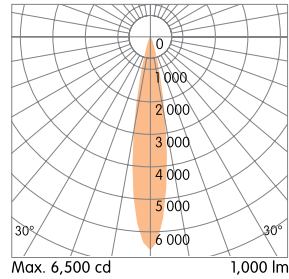


A super-narrow 10° optic is ideal for high-ceiling applications and for emphasizing texture on vertical surfaces and architectural elements.

NARROW DISTRIBUTION

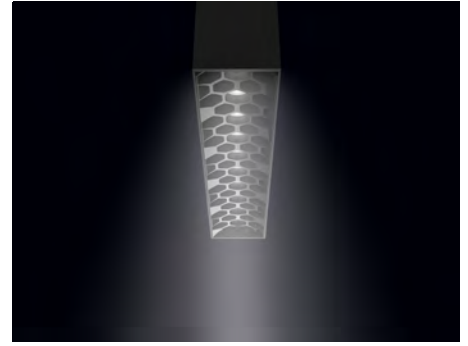


20° Beam Angle

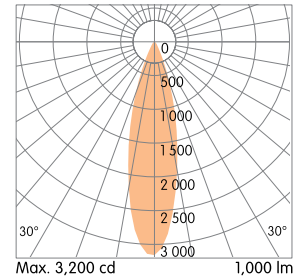


The narrow 20° beam can be used to provide a subtle graze around a perimeter or on vertical surfaces. It is also ideal for general illumination where double or triple height spaces present challenges.

MEDIUM DISTRIBUTION



35° Beam Angle

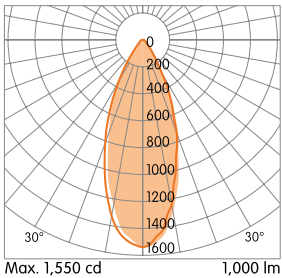


The 35° medium beam is a versatile distribution that can be used in a wide range of spaces and is a good balance between light punch and ambient uniformity.

WIDE BEAM DISTRIBUTION

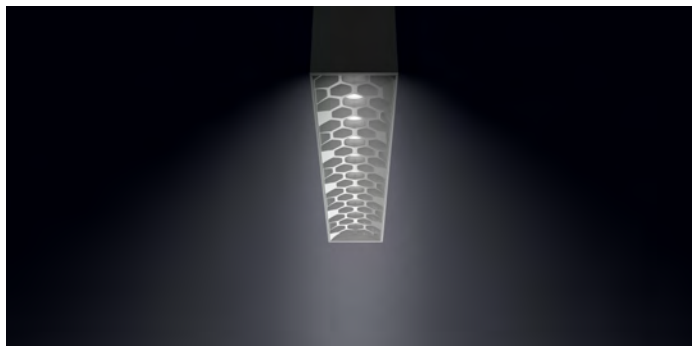


50° Beam Angle

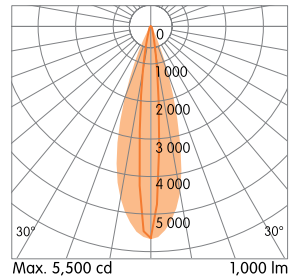


The 50° wide beam is a versatile distribution that can be used in a wide range of spaces and is a good balance between light punch and ambient uniformity.

ELLIPTICAL BEAM DISTRIBUTION

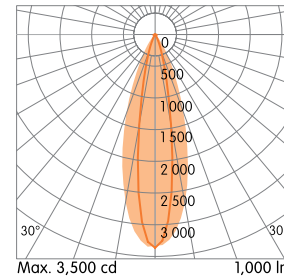


10° x 40° Beam Angle



The elliptical beam is optimal for grazing applications and is an effective solution for the illumination of long narrow spaces.

25° x 50° Beam Angle



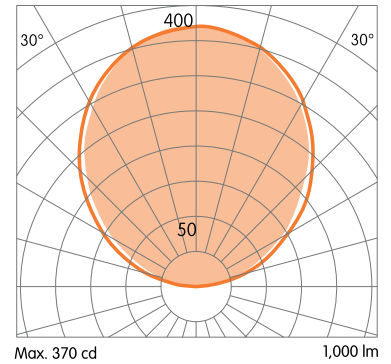
OPTICAL FLEXIBILITY (INDIRECT)

LAMBERTIAN DISTRIBUTION

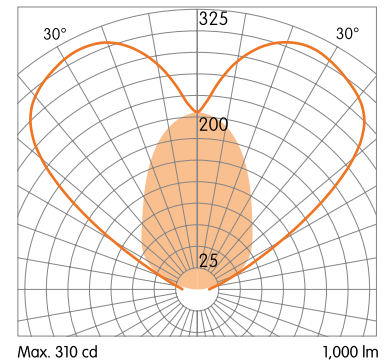


Lambertian distributions are optimal for general lighting, providing a soft and uniform illumination on both horizontal and vertical surfaces. Billef's opal lens is ideal for commercial, retail, institutional, and any other environment where comfortable and even illumination is needed.

120° Beam Angle (Lambertian)



90° Beam Angle (Batwing)



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.



MOUNTING FLEXIBILITY

PENDANT



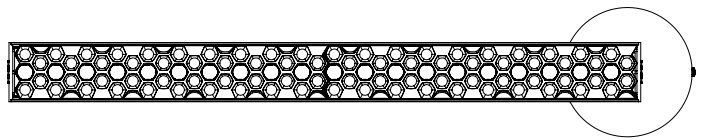
DIRECT

Actual

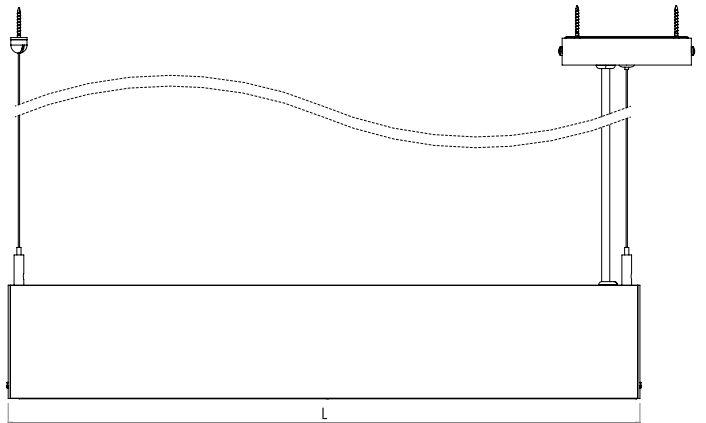
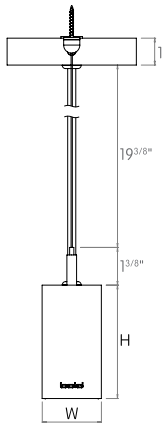
L= 23¹/₈" | 34⁷/₁₆" | 45³/₄" | 57" | Continuous runs

W= 2³/₁₆"

H= 4¹/₈"



INDIRECT



DELIVERED LUMEN OUTPUT (DIRECT)

Output		Watts	CRI +80			CRI +90		
STATIC-WHITE			2700K	3000K	4000K	2700K	3000K	4000K
L	4W		530lm	530lm	750lm	450lm	450lm	650lm
M	9W		1050lm	1050lm	1500lm	900lm	900lm	1300lm
H	15W		1580lm	1580lm	2250lm	1350lm	1350lm	1950lm
V	19W		1890lm	1890lm	2700lm	1620lm	1620lm	2340lm
TUNABLE WHITE 2700K-5000K			2700K		5000K	2700K		5000K
U	9W		1660lm		2020lm	1420lm		1540lm
A	18W		2710lm		3290lm	2320lm		2510lm

DELIVERED LUMEN OUTPUT (INDIRECT)

Output		Watts	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
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					
	mm	inch	mm	inch	mm	inch	mm	inch				
Pendant	105	4 1/8	55	4 3/16	586.5	23 1/8	873.5	34 7/16	1160.5	45 3/4	1447.5	57

