

BILLET

INDOOR PENDANT - DIRECT/INDIRECT
OPAL

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 linear lenses deliver bold vertical and horizontal illumination perfect for ambient lighting and washing. 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
Chicago plenum rated

INSTALLATION

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

OPTICS

Optical Distribution : Direct - Lambertian
Indirect - Lambertian / Batwing

LIGHT SOURCE

Direct Light Source : Mid-power LEDs
Luminous Output : [Direct - from 1110lm/m to 4755lm/m (Delivered)]
[Indirect - 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	Body Finish	
BIIO	A4 Pendant (Aircraft Cable-4')	24 600 mm	W White	
	P2 Pendant (Rigid Stem-2')	36 900 mm	B Black	
	P3 Pendant (Rigid Stem-3')	48 1200 mm	G Grey	
	P4 Pendant (Rigid Stem-4')	60 1500 mm	X Custom RAL	
	WO 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: **BIIO**-A424W-LL2B-O-LL927-0

Output (Direct) ¹	Output (Indirect) ¹	Voltage	Dimming	Diffuser	Distribution (Direct)	Distribution (Indirect)	CRI	Color Temp	Emergency
L² 1175lm/m (16W)	L² 1175lm/m (16W)	2 220-240V	A No Dimming	O Opal	L Opal	B Batwing	9 +90	27 2700K	0 No
M² 2360lm/m (33W)	M² 2360lm/m (33W)	U² Universal 120 to 277V	B 0-10V to 1%			L Opal		30 3000K	9⁶ 90 mins
H² 3540lm/m (49W)	H² 3540lm/m (49W)		D DALI to 1%				35 3500K		
V² 4525lm/m (66W)	V² 4525lm/m (66W)		E ELV Dimming				40 4000K		
U³ 2480lm/m (33W)	U³ 2480lm/m (33W)		F DMX				TW 2700K - 5000K		
A³ 4755lm/m (66W)	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.

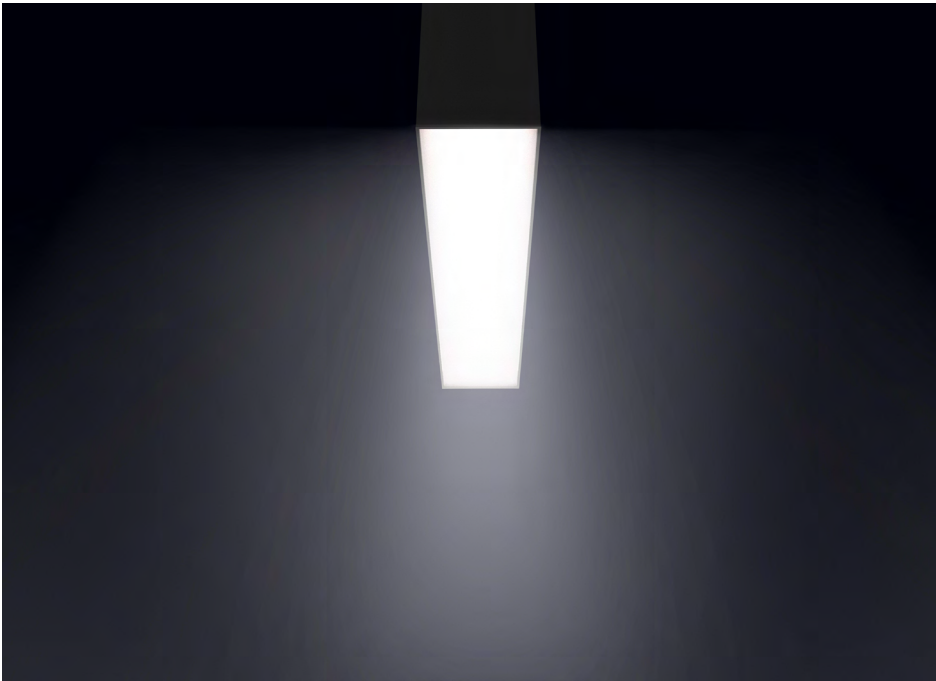
Consult factory for lead-times.
 Consult factory for systems using multiple optics and mounting configurations.



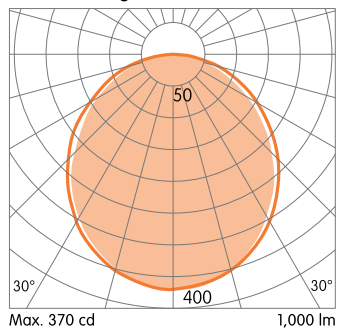
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OPTICAL FLEXIBILITY (DIRECT)

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. Bille's opal lens is ideal for commercial, retail, institutional, and any other environment where comfortable and even illumination is needed.

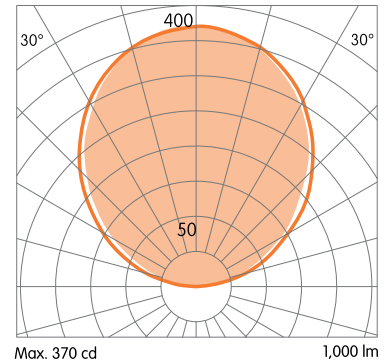
OPTICAL FLEXIBILITY (INDIRECT)

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

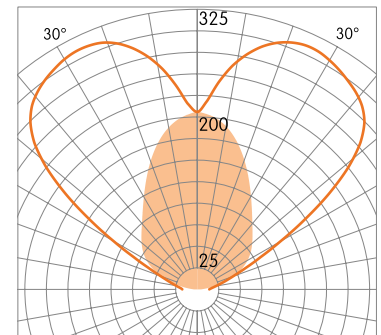
1,000 lm

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
Per Millimeter

PENDANT



DIRECT

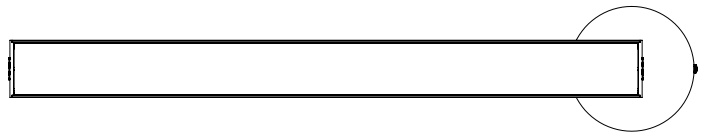
Actual (mm)

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

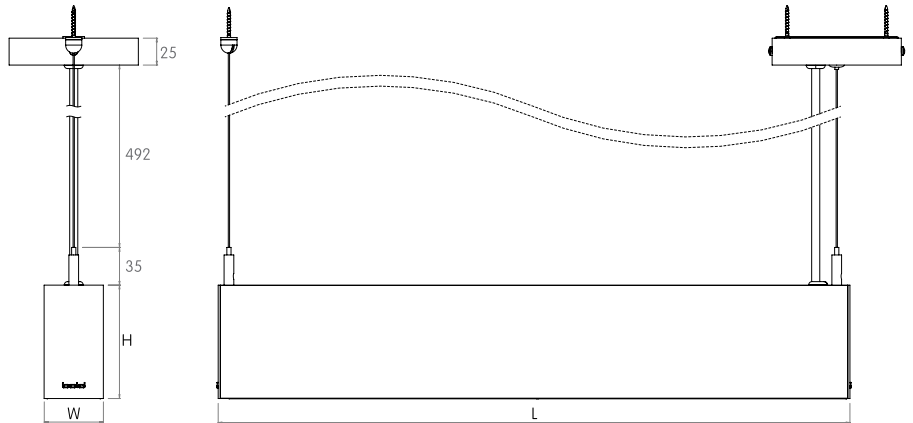
Continuous runs

W= 55

H= 85



INDIRECT



MOUNTING FLEXIBILITY
Per Millimeter

WALL MOUNTED



DIRECT



INDIRECT

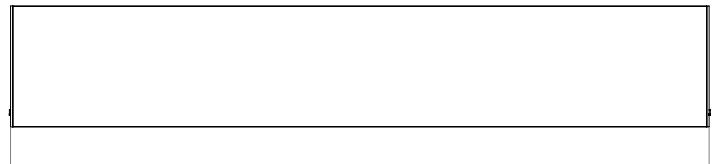
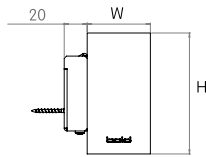
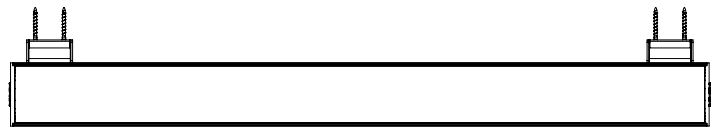
Actual (mm)

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

Continuous runs

W= 55

H= 85



L

DELIVERED LUMEN OUTPUT (DIRECT)

Per Meter

Output Watts CRI +90

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

DELIVERED LUMEN OUTPUT (INDIRECT)

Per Meter

Output Watts CRI +90

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 Millimeter

		24"	36"	48"	60"	72"	84"	96"	108"	120"	
	Height	Width									
	Actual Length										
Pendant	85	55	608	908	1208	1508	1808	2108	2408	2708	3008
Wall Mounted	85	55	608	908	1208	1508	1808	2108	2408	2708	3008

