

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 bold illumination while maintaining minimal 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 : Ceiling Recessed (Trim & Trimless) / Wall Recessed (Trim & Trimless) / Millwork / Surface Mounted / Pendant
Dimensions : Refer to dimension table

OPTICS

Optical Distribution : 10° / 25° / 40° / Elliptical (10°x28°) / (10°x36°)
Glare Control : UGR<19

LIGHT SOURCE

Direct Light Source : Hi-power LEDs
Luminous Output : from 351lm/ft. to 1833lm/ft. (Delivered)
Light Source CCT : 2700K / 3000K / 3500K / 4000K / Tunable White (2700K-5000K)³ / Dim-to-Warm (3000K-1800K)³
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 |
|------------|-----------------------------|---------------------|
| 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 |
| | | LX Elbow |

For exact lengths refer to dimensions table.

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

| Body Finish | Output ¹ | Voltage | Dimming | Baffles | Beam Angle | CRI | Color Temp | Emergency |
|---------------------|----------------------------|---|-----------------------------|--------------------------|-------------------|--------------|-------------------------------------|------------------|
| W White | L 358lm/ft (4W) | 1 120V | A No Dimming | W Flat White | S 10° | 9 +90 | 27 2700K | 0 no |
| B Black | M 687lm/ft (9W) | U² Universal 120V to 277V | B 0-10V to 1% | B Flat Black | M 20° | | 30 3000K | 9 90 mins |
| G Grey | H 1081lm/ft (15W) | | C 0-10V to Fade-off | N Black Nickel | F 28° | | 35 3500K | |
| X Custom RAL | V 1561lm/ft (19W) | | D DALI to 1% | C Specular Chrome | B 50° | | 40 4000K | |
| | D 1054lm/ft (12.5W) | | E ELV Dimming | G Bright Gold | E 10°x 28° | | WD⁴ 3000K- 1800K | |
| | W 1446lm/ft (22W) | | F DMX | E Diffuse Gold | G 10°x 36° | | TW⁵ 2700K - 5000K | |
| | U 1131lm/ft (12W) | | G³ LUTRON | X Custom | | | | |
| | A 1833lm/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.

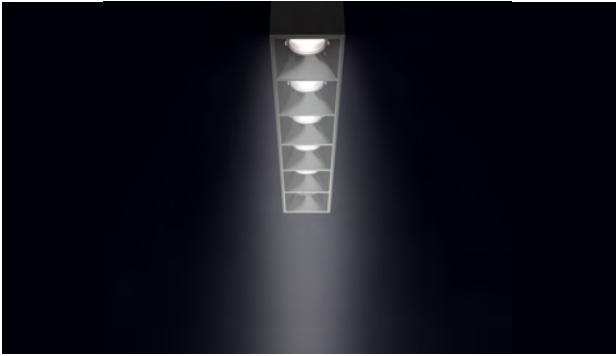
Consult factory for lead-times.
 Consult factory for systems using multiple optics and mounting configurations.



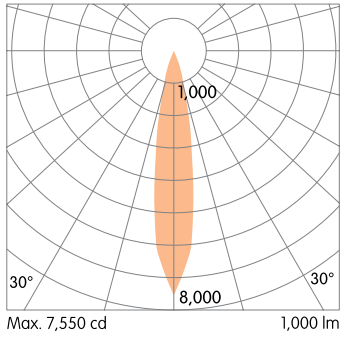
Bold Lighting
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OPTICAL FLEXIBILITY

NARROW BEAM SYMMETRICAL BAFFLE

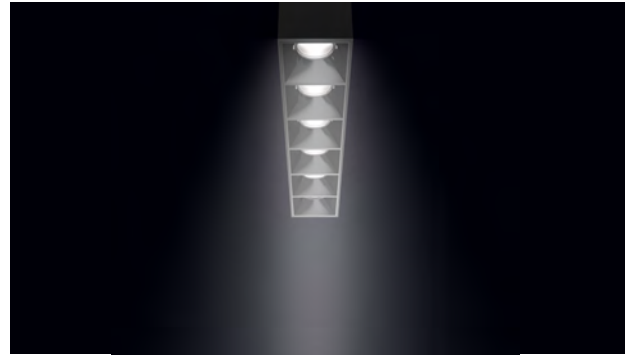


10° Beam Angle

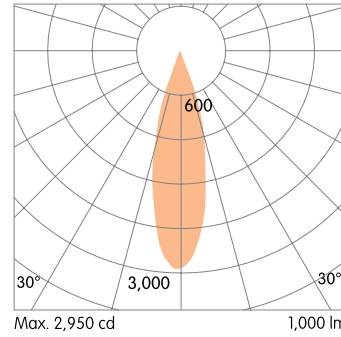


A narrow 10° beam is ideal for high-ceiling applications and for emphasizing texture on vertical surfaces and architectural elements.

MEDIUM BEAM SYMMETRICAL BAFFLE



25° Beam Angle

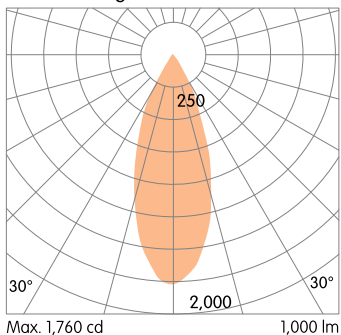


The 25° medium beam is a versatile distribution that works in a wide range of applications and spaces. This optic is a nice balance between light punch and ambient uniformity.

FLOOD BEAM SYMMETRICAL BAFFLE



40° Beam Angle

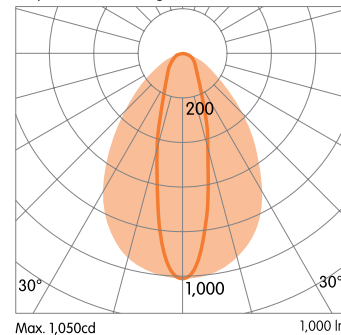


A 40° flood beam is the optimal option for achieving efficient ambient lighting with excellent uniformity and very low glare.

ELLIPTICAL DISTRIBUTION



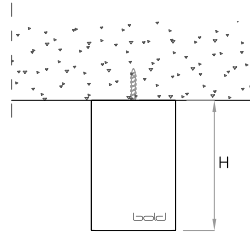
Elliptical Beam Angle



Elliptical distributions can be used anywhere focused illumination is needed. Billet'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

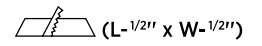
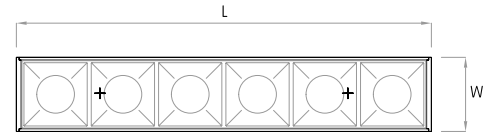


Actual

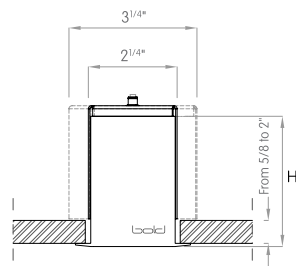
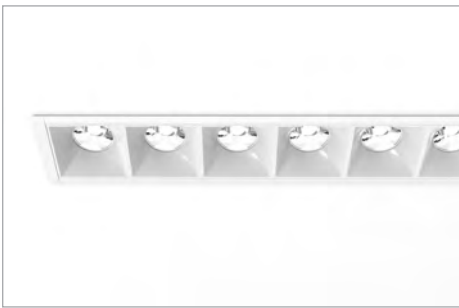
L= 12^{1/8"} | 23^{15/16"} | 35^{3/4"} | 47^{9/16"} | 59^{3/8"} | Continuous runs

W= 2^{3/16"}

H= 3^{3/8"}



RECESSED WITH TRIM

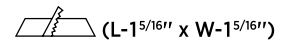
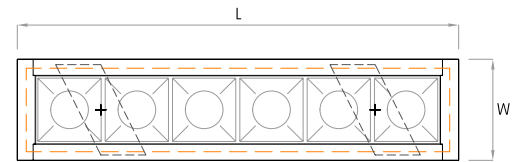


Actual

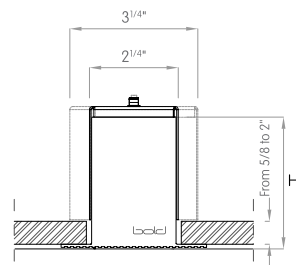
L= 12^{15/16"} | 24^{3/4"} | 36^{1/2"} | 48^{3/8"} | 60^{3/16"} | Continuous runs

W= 3"

H= 3^{3/8"}



RECESSED TRIMLESS

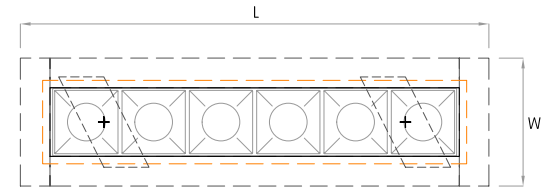


Actual

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

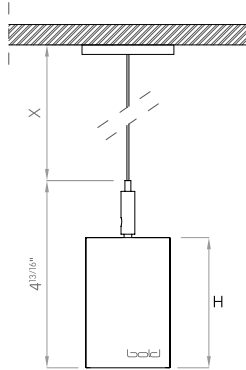
W= 3^{3/4"}

H= 3^{3/8"}



MOUNTING FLEXIBILITY

PENDANT



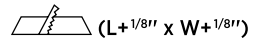
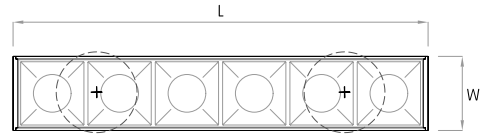
Actual

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

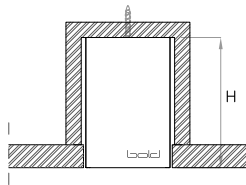
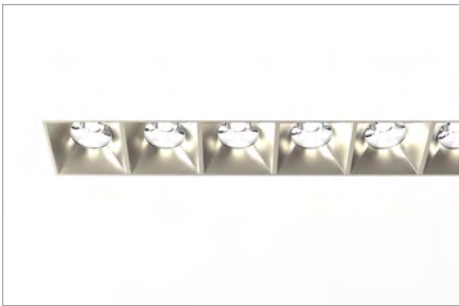
W= 2³/₁₆"

H= 3³/₈"

X= 59" or 118"



MILLWORK

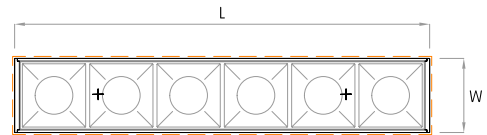


Actual

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

W= 2³/₁₆"

H= 3³/₈"



DELIVERED LUMEN OUTPUT

| Output | | Watts | | | CRI +90 | | |
|--------------|-----|--------|--------|--------|---------|--|--|
| STATIC-WHITE | | 2700K | 3000K | 4000K | | | |
| L | 4W | 351lm | 358lm | 394lm | | | |
| M | 9W | 666lm | 687lm | 745lm | | | |
| H | 15W | 1053lm | 1081lm | 1174lm | | | |
| V | 19W | 1511lm | 1561lm | 1690lm | | | |

| DIM-TO-WARM 3000K-1800K | | 3000K | | |
|----------------------------|-------|--------|--|--|
| D | 12.5W | 1054lm | | |
| W | 18W | 1446lm | | |

| TUNABLE WHITE 2700K-5000K | | 2700K | 5000K | | |
|------------------------------|-----|--------|--------|--|--|
| U | 12W | 1045lm | 1131lm | | |
| A | 22W | 1690lm | 1833lm | | |

DIMENSIONS TABLE

| | | 12" | | 24" | | 36" | | 48" | | 60" | | | | |
|-------------------|--------------------|--------|-------|--------|-----|---------------|----------|---------------|--------|---------------|--------|---------|--------|----------|
| | | Height | | Width | | Actual Length | | Actual Length | | Actual Length | | | | |
| Surface Mounted | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | | |
| | Recessed with Trim | 85 | 3 3/8 | 75 | 3 | 328 | 12 15/16 | 628 | 24 3/4 | 928 | 36 1/2 | 1228 | 48 3/8 | 1528 |
| 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 |

