

# BILLET

INDOOR HONEYCOMB TIR - 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 Honeycomb was designed to provide unmatched performance and a decorative aesthetic while maintaining minimal glare. 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** : Ceiling Recessed (Trim & Trimless) / Wall Recessed (Trim & Trimless)  
Millwork / Surface Mounted / Pendant  
**Dimensions** : Refer to dimension table

## OPTICS

**Optical Distribution** : 10° / 20° / 35° / 60°  
Elliptical (10°x40°) (25°x50°)  
**Glare Control** : UGR<19

## LIGHT SOURCE

**Direct Light Source** : Hi-power LEDs  
**Luminous Output** : from 1600lm/m to 5110lm/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 <sup>1</sup> |
|------------|-------------------------------------------------|-----------------------------|
| <b>BXH</b> | <b>R</b> Recessed with Trim                     | <b>12</b> 300 mm            |
|            | <b>T</b> Recessed Trimless                      | <b>24</b> 600 mm            |
|            | <b>S</b> Surface Mounted                        | <b>36</b> 900 mm            |
|            | <b>P</b> Pendant                                | <b>48</b> 1200 mm           |
|            | <b>M</b> Millwork                               | <b>60</b> 1500 mm           |
|            |                                                 | <b>72</b> 1800 mm           |
|            |                                                 | <b>84</b> 2100 mm           |
|            |                                                 | <b>96</b> 2400 mm           |
|            |                                                 | <b>108</b> 2700 mm          |
|            |                                                 | <b>120</b> 3000 mm          |
|            |                                                 | <b>XX</b> Custom mm         |
|            | For custom lengths and shapes, consult factory. |                             |
|            | For exact lengths refer to dimensions table.    |                             |

Code example: **BXH** - P12W - L2B - W - E927 - 0

| Body Finish         | Output                              | Voltage                                                         | Dimming                     | Baffles                  | Beam Angle        | CRI          | Color Temp              | Emergency                                   |
|---------------------|-------------------------------------|-----------------------------------------------------------------|-----------------------------|--------------------------|-------------------|--------------|-------------------------|---------------------------------------------|
| <b>B</b> Black      | <b>L<sup>2</sup></b> 1600lm/m (16W) | <b>2</b> 220-240V<br><b>U<sup>4</sup></b> Universal 120 to 277V | <b>A</b> No Dimming         | <b>W</b> Flat White      | <b>S</b> 10°      | <b>9</b> +90 | <b>27</b> 2700K         | <b>0</b> No<br><b>9<sup>6</sup></b> 90 mins |
| <b>G</b> Grey       | <b>M<sup>2</sup></b> 2785lm/m (33W) |                                                                 | <b>B</b> 0-10V to 1%        | <b>B</b> Flat Black      | <b>N</b> 20°      |              | <b>30</b> 3000K         |                                             |
| <b>W</b> White      | <b>H<sup>2</sup></b> 3835lm/m (49W) |                                                                 | <b>D</b> DALI to 1%         | <b>N</b> Black Nickel    | <b>M</b> 35°      |              | <b>35</b> 3500K         |                                             |
| <b>X</b> Custom RAL | <b>V<sup>2</sup></b> 5110lm/m (66W) |                                                                 | <b>E</b> ELV Dimming        | <b>C</b> Specular Chrome | <b>W</b> 60°      |              | <b>40</b> 4000K         |                                             |
|                     | <b>U<sup>4</sup></b> 2785lm/m (33W) |                                                                 | <b>F</b> DMX                | <b>E</b> Diffuse Gold    | <b>E</b> 10°x 40° |              | <b>TW</b> 2700K - 5000K |                                             |
|                     | <b>A<sup>4</sup></b> 5110lm/m (66W) |                                                                 | <b>G<sup>5</sup></b> LUTRON | <b>X</b> Custom          | <b>G</b> 25°x 50° |              |                         |                                             |

### Notes:

- <sup>1</sup> 150 mm length increments available as a modification.
- <sup>2</sup> Denotes output at 3000K, unless otherwise noted.
- <sup>3</sup> Denotes output specific to Tunable White at full on.
- <sup>4</sup> Not applicable for ELV dimming.
- <sup>5</sup> Hi-lume, Vive, and Athena compatible.
- <sup>6</sup> Not applicable for integral driver.

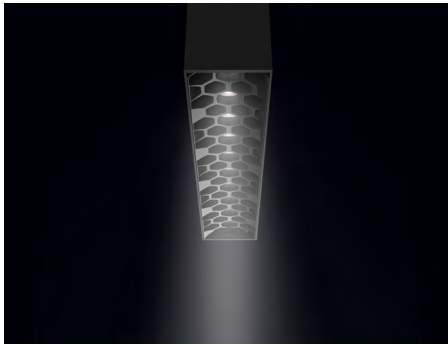
Consult factory for lead-times.  
Consult factory for systems using multiple optics and mounting configurations.



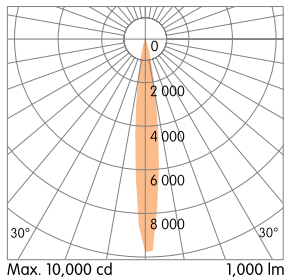
**Bold Lighting**  
4710 Ecton Dr., Marietta, GA 30066, USA  
info@boldlighting.us www.boldlighting.us t: +1-678-903-4061

## OPTICAL FLEXIBILITY

### SUPER-NARROW DISTRIBUTION

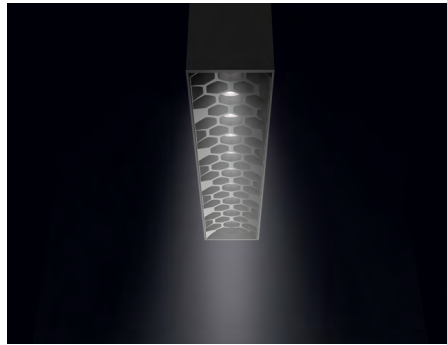


10° Beam Angle

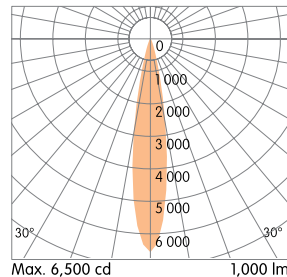


A super-narrow 10° optic is ideal for high-ceiling applications and for emphasizing texture on vertical surfaces and architectural elements.

### NARROW DISTRIBUTION

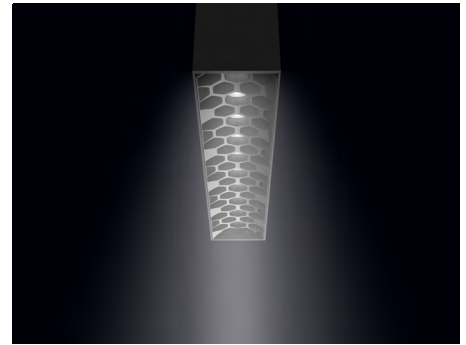


20° Beam Angle

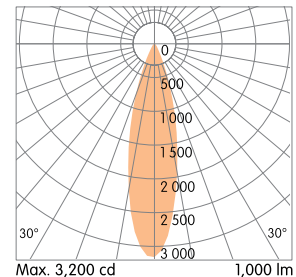


The narrow 20° beam can be used to provide a subtle graze around a perimeter or on vertical surfaces. It is also ideal for general illumination where double or triple height spaces present challenges.

### MEDIUM DISTRIBUTION



35° Beam Angle

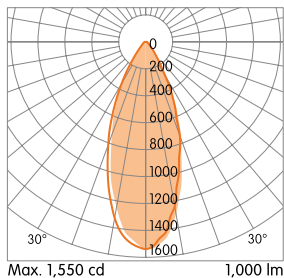


The 35° medium beam is a versatile distribution that can be used in a wide range of spaces and is a good balance between light punch and ambient uniformity.

### WIDE BEAM DISTRIBUTION

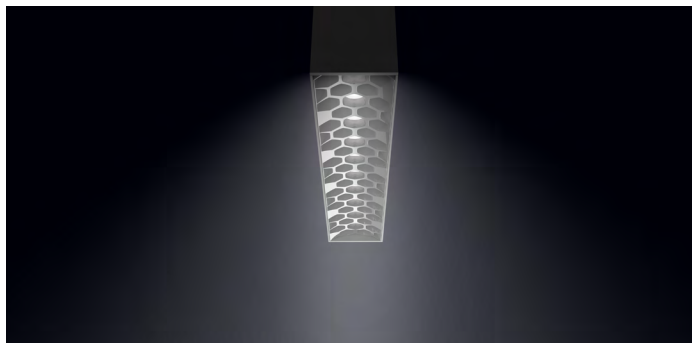


60° Beam Angle

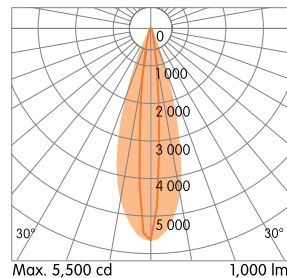


The 60° wide beam is a versatile distribution that can be used in a wide range of spaces and is a good balance between light punch and ambient uniformity.

### ELLIPTICAL BEAM DISTRIBUTION

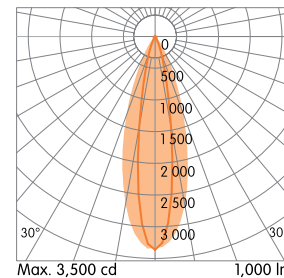


10° x 40° Beam Angle



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

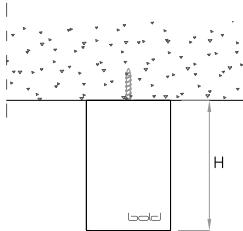
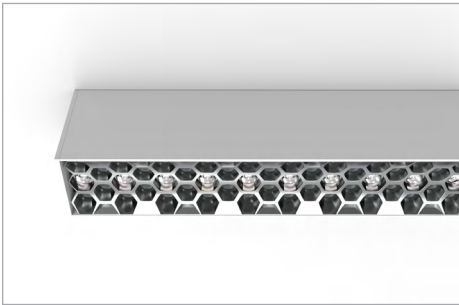
25° x 50° Beam Angle



# MOUNTING FLEXIBILITY

Per Millimeter

## SURFACE MOUNTED

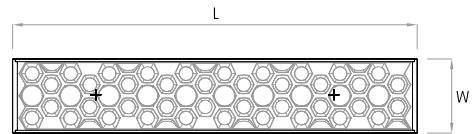


Actual (mm)

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

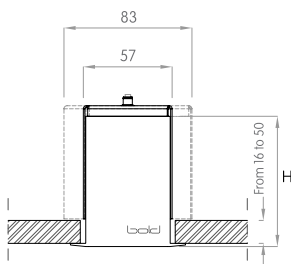
W= 55

H= 85



 (L-13 x W-13)

## RECESSED WITH TRIM

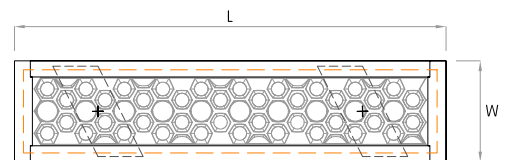


Actual (mm)

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

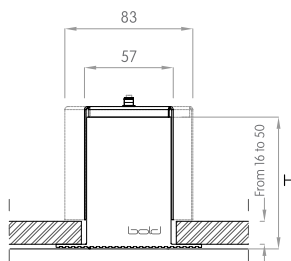
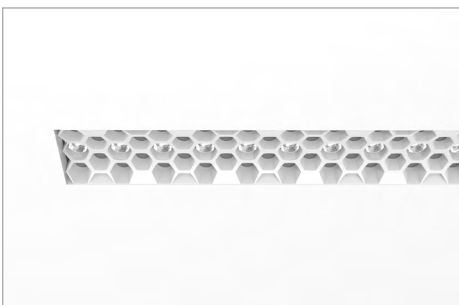
W= 75

H= 85



 (L-33 x W-33)

## RECESSED TRIMLESS

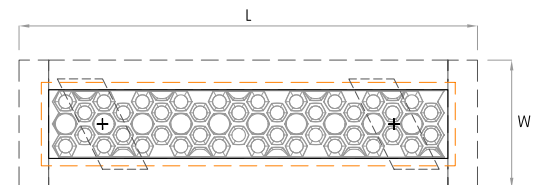


Actual (mm)

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

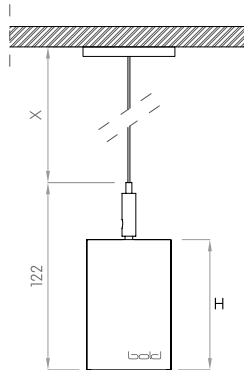
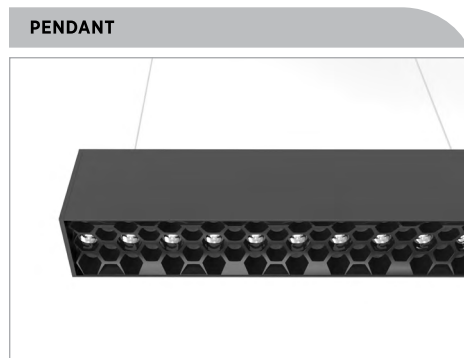
W= 95

H= 85



## MOUNTING FLEXIBILITY

Per Millimeter



Actual (mm)

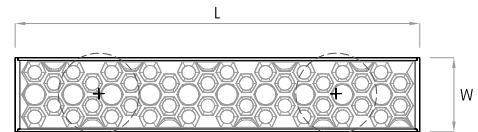
L= 308 | 608 | 908 | 1208 | 1508 | 1808 | 2108 | 2408 | 2708

3008 | Continuous runs

W= 55

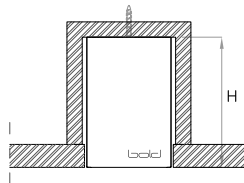
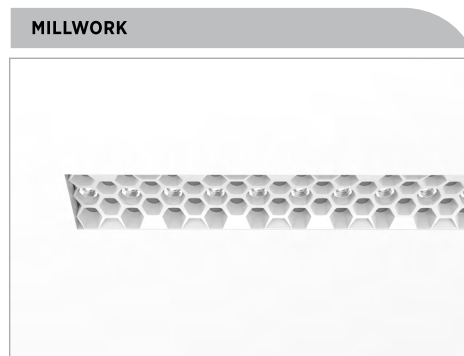
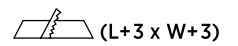
H= 85

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.



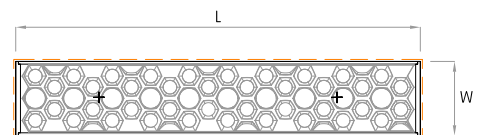
Actual (mm)

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 |  |  |  |
|--------|-------|---------|--|--|--|
|--------|-------|---------|--|--|--|

| STATIC-WHITE |     | 2700K   | 3000K   | 3500K   | 4000K   |
|--------------|-----|---------|---------|---------|---------|
| L            | 16W | 1600 lm | 1600 lm | 1600 lm | 1600 lm |
| M            | 33W | 2785 lm | 2785 lm | 2785 lm | 2785 lm |
| H            | 49W | 3835 lm | 3835 lm | 3835 lm | 3835 lm |
| V            | 66W | 5110 lm | 5110 lm | 5110 lm | 5110 lm |

| TUNABLE WHITE<br>2700K-5000K |     | 2700K   | 5000K   |
|------------------------------|-----|---------|---------|
| U                            | 33W | 2785 lm | 2785 lm |
| A                            | 66W | 5110 lm | 5110 lm |

DIMENSIONS TABLE  
Per Meter

|  | 12"           | 24" | 36" | 48" | 60" | 72" | 84" | 96" | 108" | 120" |
|--|---------------|-----|-----|-----|-----|-----|-----|-----|------|------|
|  | 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 |