

BILLET

HONEYCOMB INTEGRAL - WET LOCATION

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 : IP67 Inground

IP66 Ceiling Recessed

IK Rating : IK10

Drive Over Rating : Billet Inground is designed to bear static loads up to 2500 lbs. from vehicles with pneumatic tires. This product is not intended to be used for traffic lanes. Chicago plenum rated

INSTALLATION

Environment : Wet Location

Mounting : Inground
 Ceiling Recessed (Trim & Trimless)
 Wall Recessed (Trim & Trimless)
 Surface Mounted / Pendant

OPTICS

Optical Distribution : 10° / 20° / 35° / 50°
 Elliptical (10°x40°) (25°x50°)

Glare Control : UGR<19

LIGHT SOURCE

Direct Light Source : Hi-power LEDs

Luminous Output : from 1405lm/m to 4500lm/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 |
|------------|-----------------------------|-----------------------------|
| BHS | R Recessed with Trim | 12 300 mm |
| | T Recessed Trimless* | 24 600 mm |
| | S Surface Mounted | 36 900 mm |
| | P Pendant | 48 1200 mm |
| | I Inground* | 60 1500 mm |
| | | XX Custom mm |

* For Inground "I" and Recessed Trimless "T" mountings, the housings will show on the price quote and order as a separate item to allow us to ship them ahead of the fixtures if required by the contractor.

For custom lengths and shapes, consult factory.
 For exact lengths refer to dimensions table.

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

| Body Finish | Output | Voltage | Dimming | Baffles | Beam Angle | CRI | Color Temp | Emergency |
|---------------------|-------------------------------------|--|----------------------|--------------------------|-------------------|--------------|-------------------------|-------------|
| B Black | L² 1405lm/m (16W) | 2 220-240V | A No Dimming | W Flat White | S 10° | 9 +90 | 27 2700K | 0 No |
| G Grey | M² 2450lm/m (33W) | U⁴ Universal 120 to 277V | B 0-10V to 1% | B Flat Black | M 20° | | 30 3000K | |
| W White | H² 3375lm/m (49W) | | D DALI to 1% | N Black Nickel | F 35° | | 35 3500K | |
| X Custom RAL | V² 4500lm/m (66W) | | E ELV Dimming | C Specular Chrome | W 50° | | 40 4000K | |
| | U³ 2450lm/m (33W) | | F DMX | E Diffuse Gold | E 10°x 40° | | TW 2700K - 5000K | |
| | A³ 4500lm/m (66W) | G⁵ LUTRON | X Custom | E 25°x 50° | | | | |

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.

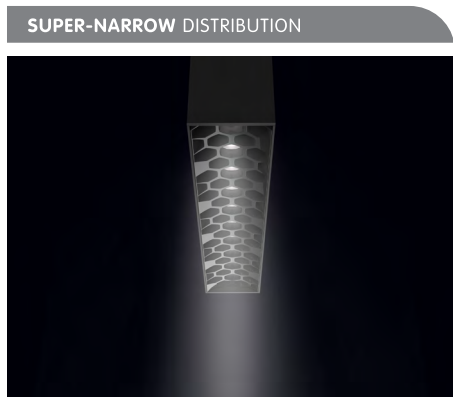
⁵ Hi-lume, Vive, and Athena compatible.

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

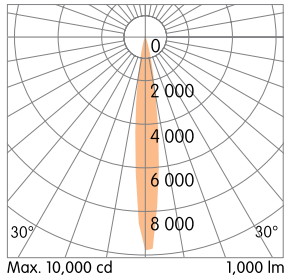


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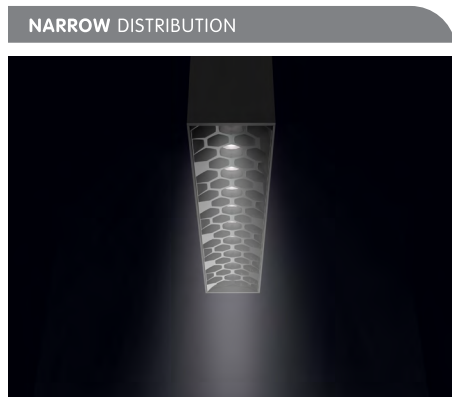
OPTICAL FLEXIBILITY



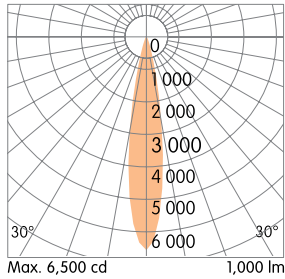
10° Beam Angle



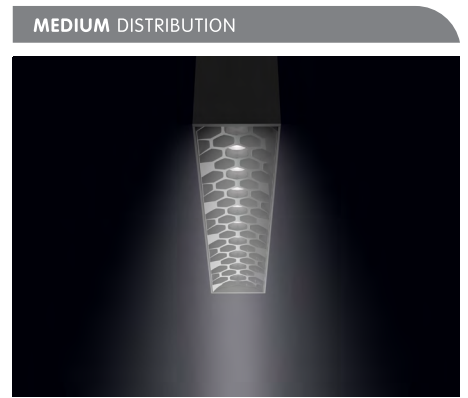
A super-narrow 10° optic is ideal for high-ceiling applications and for emphasizing texture on vertical surfaces and architectural elements.



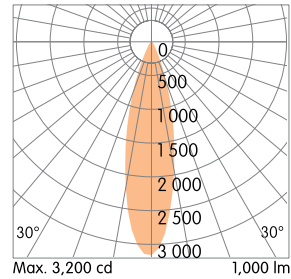
20° Beam Angle



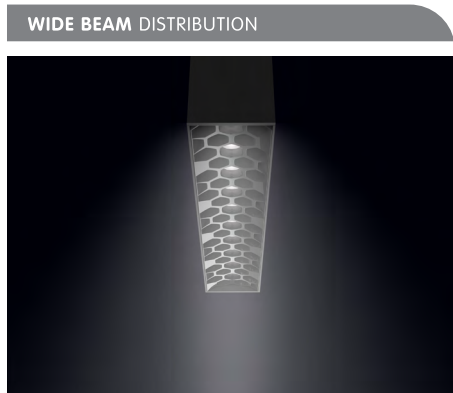
The narrow 20° beam can be used to provide a subtle graze around a perimeter or on vertical surfaces. It is also ideal for general illumination where double or triple height spaces present challenges.



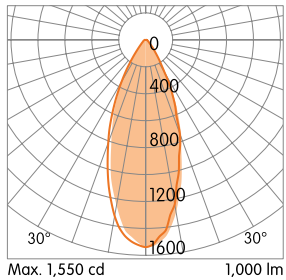
35° Beam Angle



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.



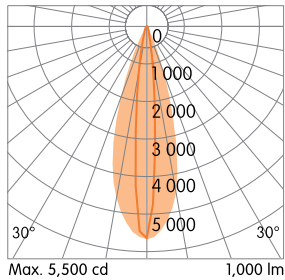
50° Beam Angle



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.

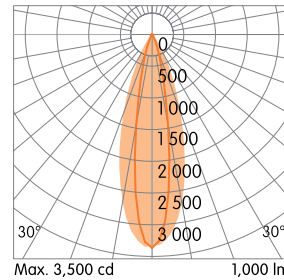


10° x 40° Beam Angle



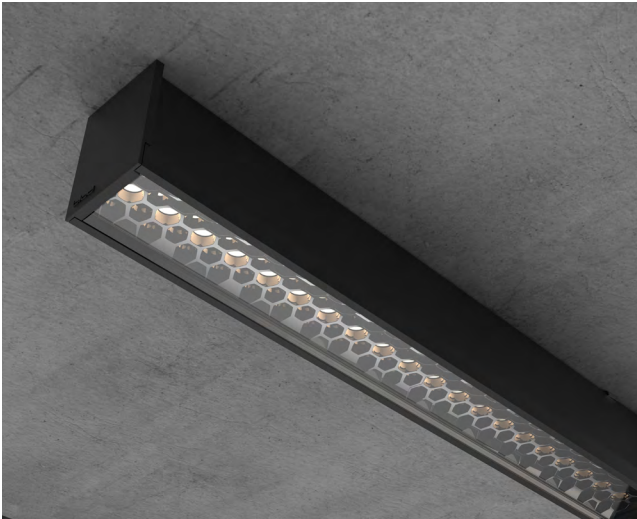
The elliptical beam is optimal for grazing applications and is an effective solution for the illumination of long narrow spaces.

25° x 50° Beam Angle

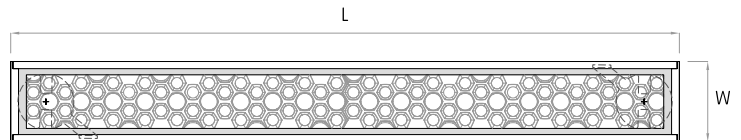
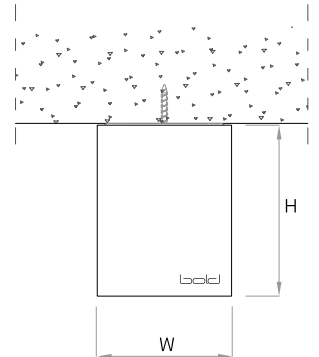


MOUNTING FLEXIBILITY
Per Millimeter

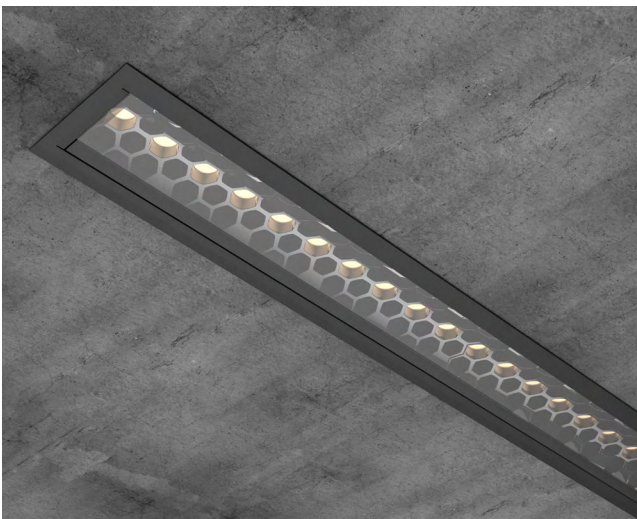
SURFACE MOUNTED




Actual (mm)
L= 622 | 922 | 1222 | 1522 |
Continuous runs
W= 72
H= 91

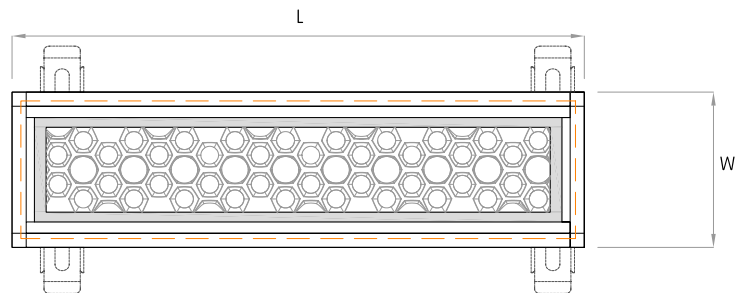
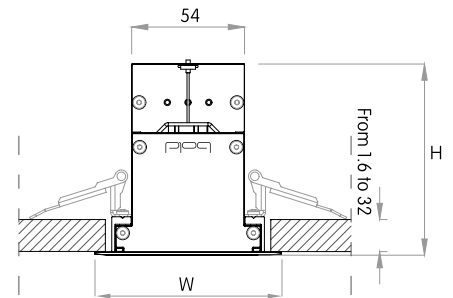


RECESSED WITH TRIM



 (L-20 x W-20)


Actual (mm)
L= 334 | 634 | 934 | 1234 |
1534 | Continuous runs
W= 80
H= 91



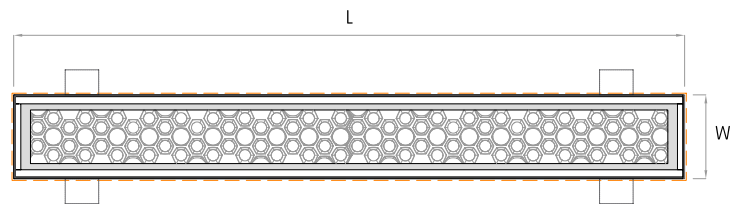
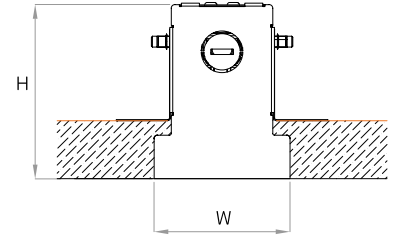
MOUNTING FLEXIBILITY
Per Millimeter

RECESSED TRIMLESS

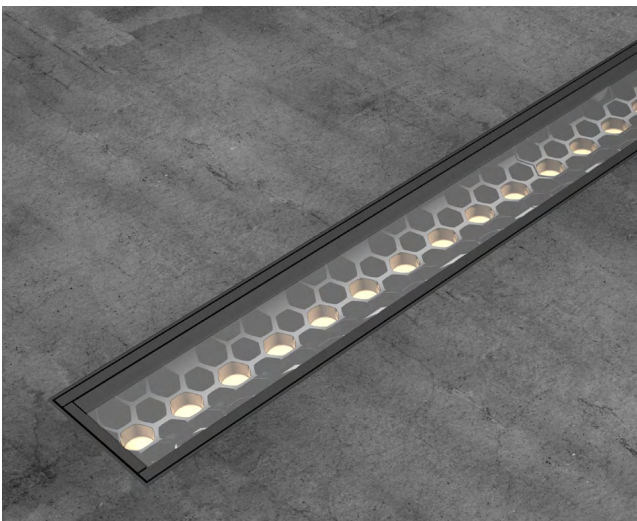


 (L+1.6 x W+1.6)

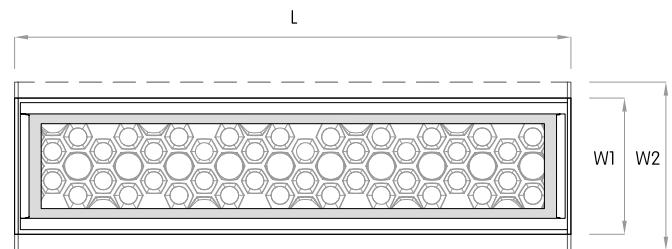
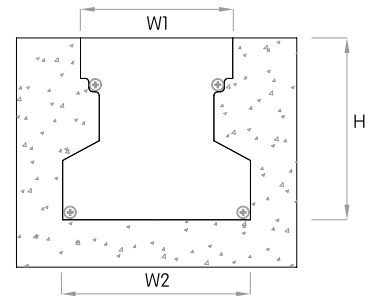
Actual (mm)
L= 624 | 924 | 1224 | 1524 |
Continuous runs
W= 75
H= 97



INGROUND



Actual (mm)
L= 325 | 625 | 925 | 1225 |
1525 | Continuous runs
W1= 77 | W2= 95
H= 92

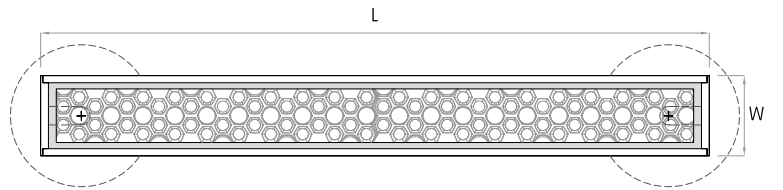
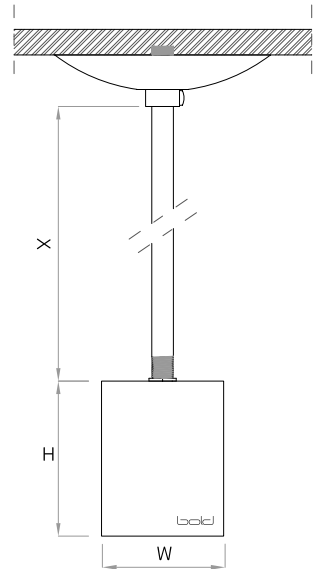


MOUNTING FLEXIBILITY
Per Millimeter

PENDANT



Actual (mm)
L= 622 | 922 | 1222 | 1522 |
Continuous runs
W= 72
H= 91
X= 1500



DELIVERED LUMEN OUTPUT

Per Meter

Output Watts CRI +90

| STATIC-WHITE | | 2700K | 3000K | 3500K | 4000K |
|--------------|-----|---------|---------|---------|---------|
| L | 16W | 1405 lm | 1405 lm | 1405 lm | 1405 lm |
| M | 33W | 2450 lm | 2450 lm | 2450 lm | 2450 lm |
| H | 49W | 3375 lm | 3375 lm | 3375 lm | 3375 lm |
| V | 66W | 4500 lm | 4500 lm | 4500 lm | 4500 lm |

| TUNABLE WHITE 2700K-5000K | | 2700K | 5000K |
|------------------------------|-----|---------|---------|
| U | 33W | 2450 lm | 2450 lm |
| A | 66W | 4500 lm | 4500 lm |

DIMENSIONS TABLE

| | | 12" | | 24" | | 36" | | 48" | | 60" | | | | |
|-------------------------|----|-----------------|------|---------|------|---------------|------|--------|------|----------|------|---------|------|----------|
| | | Height | | Width | | Actual Length | | | | | | | | |
| | | mm | Inch | mm | Inch | mm | Inch | mm | Inch | mm | Inch | mm | Inch | |
| | | Surface Mounted | 91 | 3 9/16 | 72 | 2 13/16 | | | 622 | 24 1/2 | 922 | 36 5/16 | 1222 | 48 1/8 |
| Recessed with Trim | 91 | 3 9/16 | 88 | 3 7/16 | 335 | 13 3/16 | 634 | 25 | 934 | 36 13/16 | 1234 | 48 5/8 | 1534 | 60 7/16 |
| Recessed Trimless | 97 | 3 13/16 | 75 | 2 15/16 | | | 624 | 24 5/8 | 924 | 36 3/8 | 1224 | 48 1/4 | 1524 | 60 |
| Pendant | 91 | 3 9/16 | 72 | 2 13/16 | | | 622 | 24 1/2 | 922 | 36 5/16 | 1222 | 48 1/8 | 1522 | 59 15/16 |
| Inground (with housing) | 92 | 3 5/8 | 95 | 3 3/4 | 325 | 12 13/16 | 625 | 24 5/8 | 925 | 36 7/16 | 1225 | 48 1/4 | 1525 | 60 |

