

RAIL



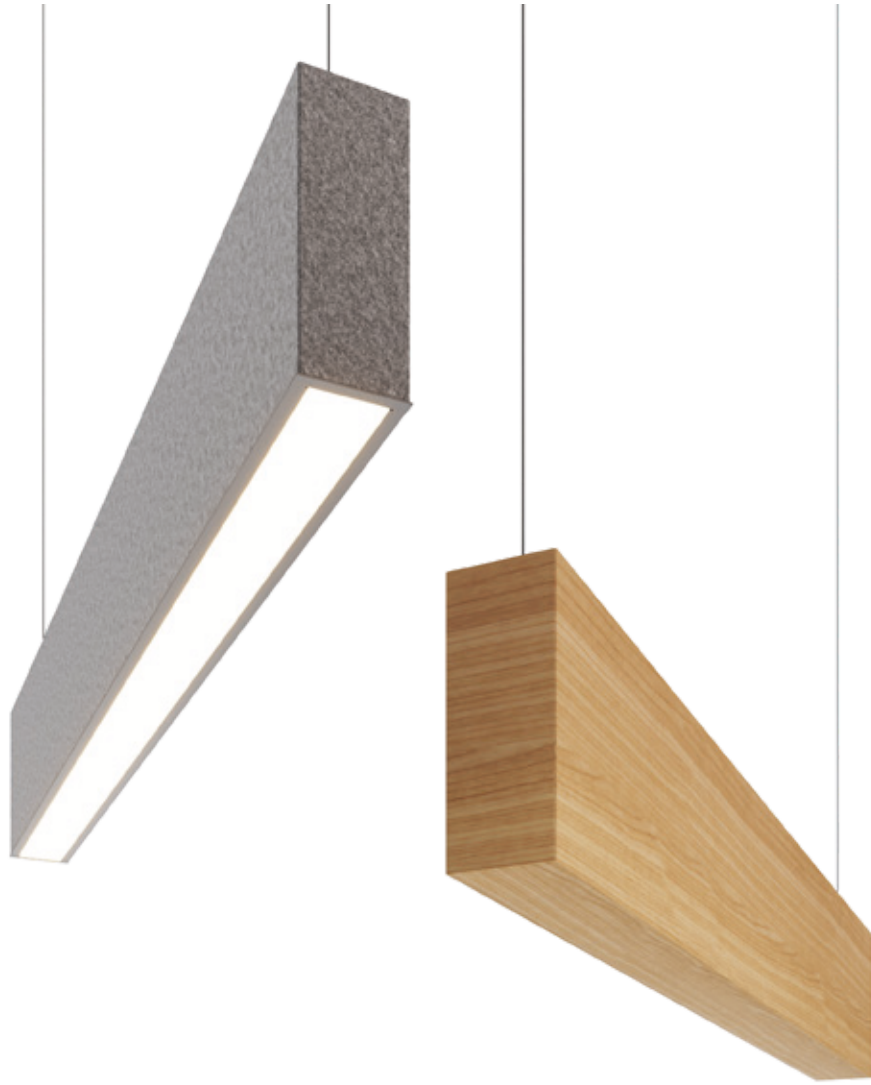
ezo
BOARD

RADIUS
OFFICE

info@radiusoffice.com
www.radiusoffice.com

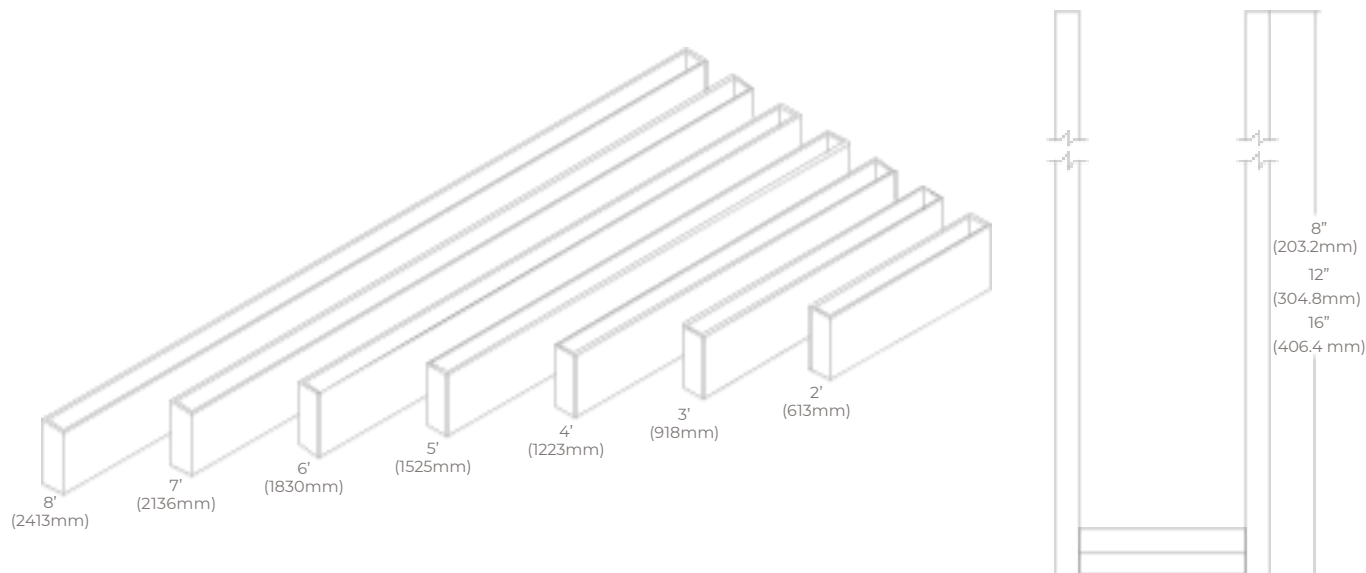


MEET RAIL



With Rail we are going beyond illumination for interior spaces. Designed in collaboration with Metalumen, Rail comes True to our acoustic roots, we incorporate the performance of EzoBord material to LED technology with our classic Baffle Systems ("Vesi" and "Veldi"), providing a synergistic relation between acoustics and lighting as a solution to high-end noise levels, reverberation and poor lighting issues common to open spaces.

RAIL ACOUSTIC Baffles



LENGTHS

2' (609.6 mm)	6' (1828.8 mm)
3' (914.4 mm)	7' (2133.6 mm)
4' (1219.2 mm)	8' (2438.4 mm)
5' (1524 mm)	

HEIGHTS

8" (203.2mm)
12" (304.8mm)
16" (406.4mm)

thickness 3/8" (9mm) or 1/2" (12mm) | ±0.5mm

weight 3/8" (9mm) sheet: 8.4lbs (3.8kg) | ±5%
1/2" (12mm) sheet: 16.0lbs (7.26kg) | ±5%

hardness 60-65 (Shore C)

COMPOSITION ENVIRONMENT

100% pet (min. %50 recycled content) Made of polyester fiber, min. 50% of which comes from recycled water bottles which contributes to LEED MR

PRODUCT VARIANCES Credit and BREEAM Health and Wellbeing, Materials Variation in fiber mix and colour may occur. All points due to recycled content, acoustic performance, products will be supplied within commercial tolerances and low emitting materials. No VOC's: CDPH v1.2 and REACH SVHC Compliant.

FIRE TESTING

north america: PRODUCT VARIANCES

ASTM E-84 Class A* Variation in fiber mix and color may occur.
CAN ULC S102-10 All products will be supplied within commercial

europa and uk: tolerances.

EN13501-1: 2007

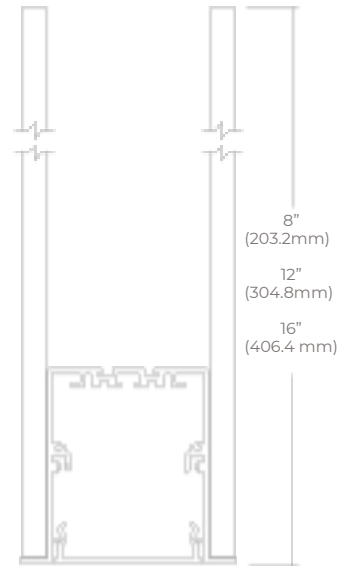
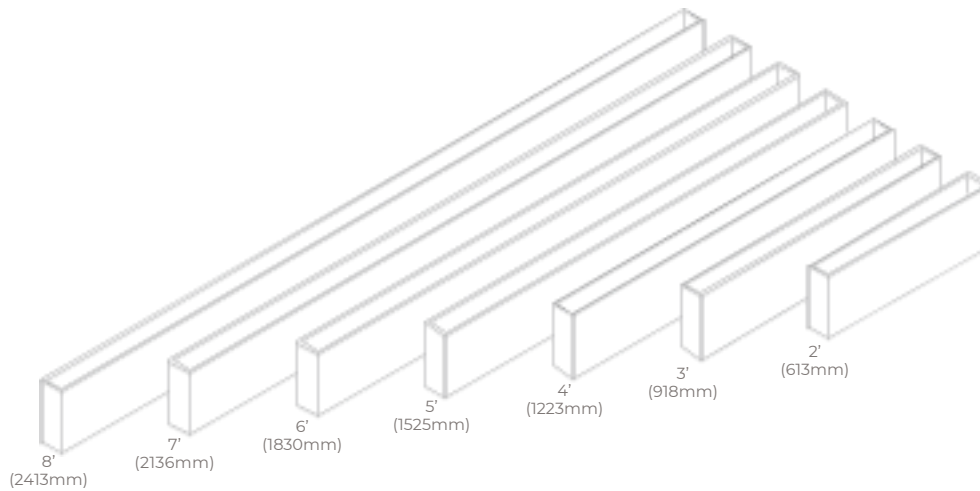
GENERAL

ACOUSTIC Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly. Refer to ASTM C423 test chart for specific absorption rates/frequency.

3/8" (9mm): NRC 0.75 (subject to mounting conditions and geometrical properties)

1/2" (12mm): NRC 0.85 (subject to mounting conditions and geometrical properties)

RAIL LED LIGHTS



LENGTHS

2' (609.6 mm)
3' (914.4 mm)
4' (1219.2 mm)
5' (1524 mm)
6' (1828.8 mm)
7' (2133.6 mm)
8' (2438.4 mm)

HEIGHTS

8" (203.2mm)
12" (304.8mm)
16" (406.4mm)

thickness Aluminum end caps. OPTICAL SYSTEM

Metalumen luminaires are designed to utilize leading edge LED technology combined with luminaire optimized reflectors and our custom diffusers, resulting in industry leading optical performance.

weight 0.95 kg/300mm [2.1 lb/ft]

HOUSING ELECTRICAL

Rigid extruded aluminum body, 2.0mm (0.08") Factory prewired with easy wire quick connect sections. nominal wall

DRIVERS

CRIMetalumen offers 0-10V dimming* as a standard on our 83+ for 3500K, 80 minimum for all CCTs in standardentire LED product offering. Dimming range is 1%-100%. configurations. Power factor is > 90%. Class 2 rating. Drivers are integral.

LUMEN MAINTENANCE APPROVALS

Minimum 50,000h with TM-21 lumen maintenance of All components are UL/ CSA/QPS recognized or listed. 85% @ 25°C ambient temperature (calculated based on RoHS compliant. This product is cULus listed. IESNA LM-80-08 LED test data). L70: ≥60,000hrs.

ENVIRONMENT

PAINT FINISHESuitable for dry or damp locations. Satin aluminum, white and black are standard finishes.

For custom finish, contact factory. *Standard drivers compatible with passive/ sinking dimmers. Please contact Metalumen if active/sourcing

MOUNTINGdimmer support is required.

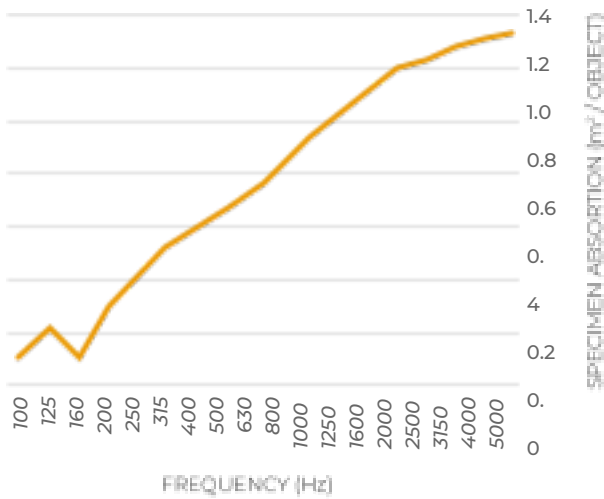
Aircraft cable yoke complete with a Quick-Grip field adjustable suspension system. Threaded rod for t-bar and unistrut metal framing system.

NOISE REDUCTION - 3/8" (9MM)

Baffles for LED lighting SABINS:
 3/8" (9mm) material Per Lineal Metre: 4.35
 Model: LIT Per Lineal Foot: 1.33
 (6 objects, 12 in. apart)

SOUND ABSORPTION COEFFICIENTS (ASTM C423-17)

NRC	125	250	500	1000	2000	4000
1.10	0.2	0.39	0.64	0.92	1.17	1.29

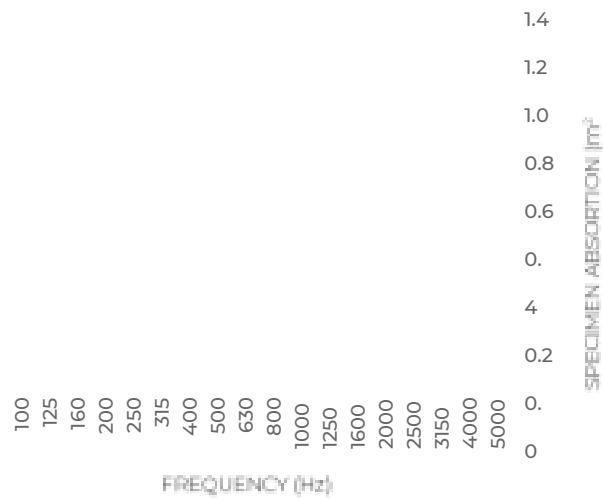


NOISE REDUCTION - 1/2" (12MM)

Baffles for LED lighting SABINS:
 1/2" (12mm) material Per Lineal Metre: 4.35
 Model: UN-LIT Per Lineal Foot: 1.33
 (6 objects, 12 in. apart)

SOUND ABSORPTION COEFFICIENTS (ASTM C423-17)

NRC	125	250	500	1000	2000	4000
1.20	0.13	0.43	0.66	1.06	1.31	1.4



LIGHT DATA

COLOR TEMPERATURES



3000K



3500K



4000K

LIGHT LEVEL PERFORMANCE

3500K, 80 CRI, 0-10V Dimming (Standard)
 per 60000 HOURS of use

Light Level	Lumens per foot	Wattage per foot	Efficacy (lm/W)
L1	500	5.0	99
L2	750	7.6	99
L3	1000	10.1	99

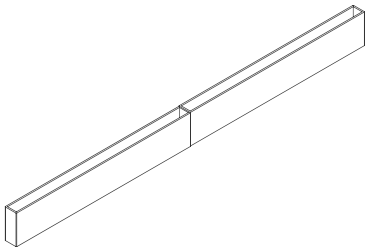


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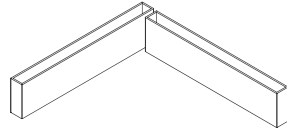
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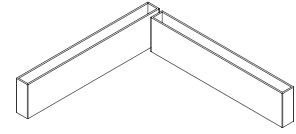
CONFIGURATION OPTIONS



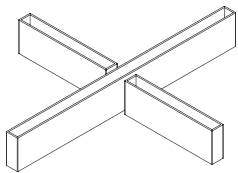
ALIGNED



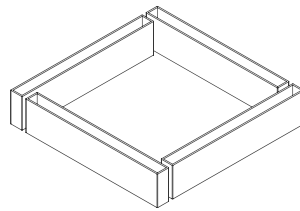
CORNER



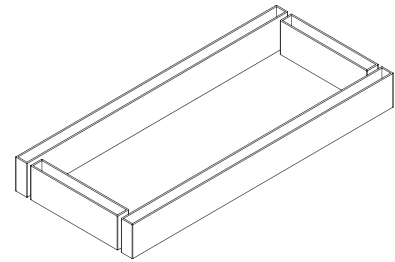
T-SHAPE



CROSS



SQUARE

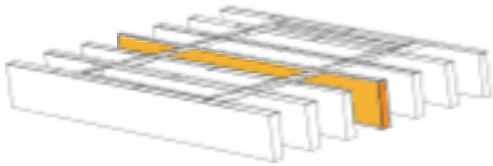


RECTANGULAR

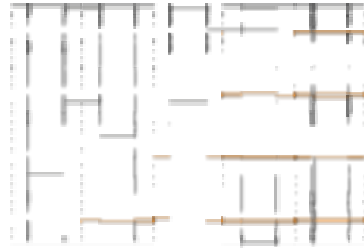




RAIL+RAIL CONFIGURATION



MODULE

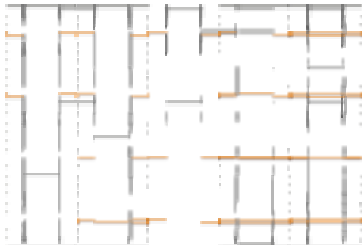


FULL CEILING

ROWS



RAIL+VESI CONFIGURATION



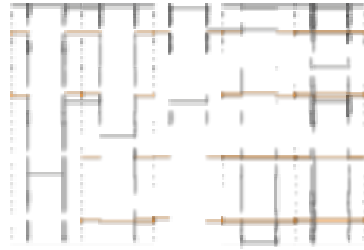
MODULE

FULL CEILING

ROWS



RAIL + VELDİ CONFIGURATION



MODULE

FULL CEILING

ROWS





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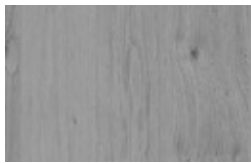


MIX & MATCH YOUR COLORS

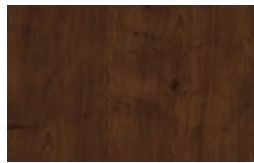
PRINT WOOD FINISH & *BASE MATERIAL



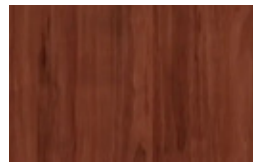
DARK OAK
W-DO-07



GREY OAK
W-GO-08



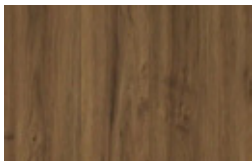
WENGE
W-WE-02CG06



APPLE
W-AP-05CG06



CHERRY MATE
W-CM-03DS10



WALNUT
W-WA-01DG34



ASH
W-AS-06DS10



YELLOW OAK
W-YO-09DS10



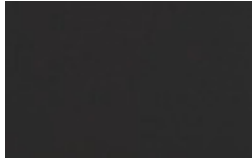
MARMAR MAPLE
W-MM-04DS10



BIRCH SAND
W-BS-10DS10

COLOR & FINISHES

COLORS 3/8" (9MM)



PURE BLACK
PB09



CHARCOAL GRAY
CG06



EBONY SLATE
ES07



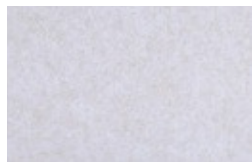
DARK GRAY
DG34



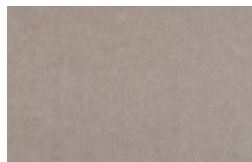
SILVER GRAY
SG04



CLASSIC WHITE
CW04



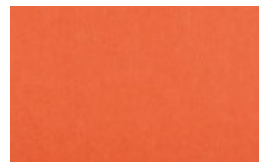
LIGHT BEIGE
LB01



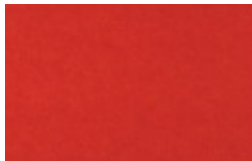
DESERT SAND
DS10



SUNNY DAYS
SD18



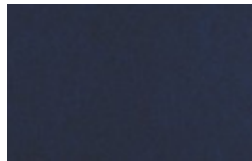
TIGER ORANGE
TO24



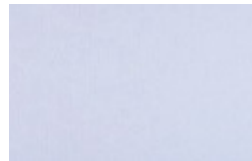
RUBY RED
RR28



DEEP PURPLE
DP30



MIDNIGHT NAVY
MN12

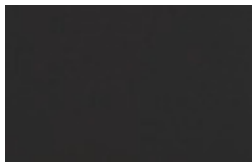


POLAR ICE
PI14

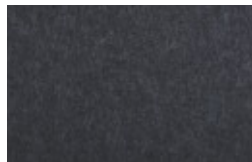


GREEN APPLE
GA41

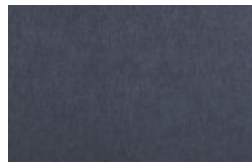
COLORS 1/2" (12MM)



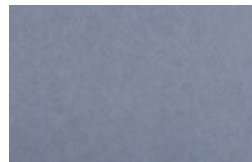
PURE BLACK
PB09



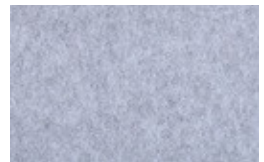
CHARCOAL GRAY
CG06



BOLD GRAY
BG07



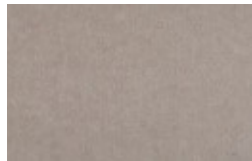
ELEPHANT GRAY
EG11



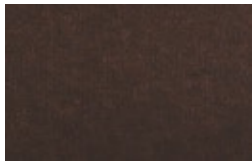
SILVER GRAY
SG04



CLASSIC WHITE
CW04



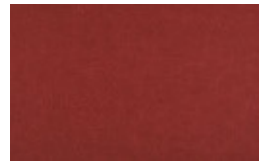
DESERT SAND
DS10



TREE BARK
TB35



SUNNY DAYS
SD18



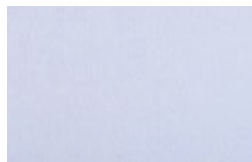
BRICK RED
BR34



GRAPE VINE
GV36



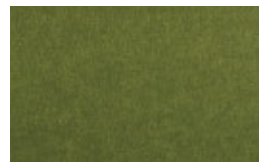
ROYAL BLUE
RB08



POLAR ICE
PI14



OCEAN BLUE
OB14



MOSS GREEN
MG10



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ENVIRONMENT

Our Commitment to the Environment

In 2007, the last year global statistics of oil consumption were available, between 32 million and 54 million

There are approximately 50 billion water bottles/barrels of oil were used to produce the bottled water consumed around the world each year, and only about that was consumed in the USA alone. This energy is half of those get recycled. The rest end up in landfills, used to make the bottles from PET pellets (1 million littered through our neighborhoods, or floating in our tons in the USA), treat water, bottle the water, label the oceans, bottles, and transport the bottled water. Most of the

energy consumption occurs in the creation of the

Bottled water consumption has more than doubled bottles themselves. To help in the lifecycle of this plastic since 2000; in 2015 there was the equivalent of more product, we have chosen to manufacture our material than 5 bottles of water consumed for every person in so that it recycles these PET bottles. We are doing our the USA every single week. This, of course, means that part to reduce the waste. This acoustical and tackable the amount of oil required to produce the energy used material is made from PET bottles in a zero-waste for the water bottling process continues to grow. process with postindustrial recycling. An

environmentally friendly, sustainable, and waste reduced alternative to traditional acoustical/tackable material that looks great in any office, education, or

open space installation.

EzoBord is



- low VOC
- formaldehyde free

PET BOTTLES



DID YOU KNOW...



For every pound of recycled PET bottles (approximately 23) energy use is reduced by 84% and greenhouse gas emissions are reduced by 71%.

± 166 pet bottles are used to make one 3/8" 9mm thick EzoBord sheet.

± 318 pet bottles are used to make one 1/2" 12mm thick EzoBord sheet.

