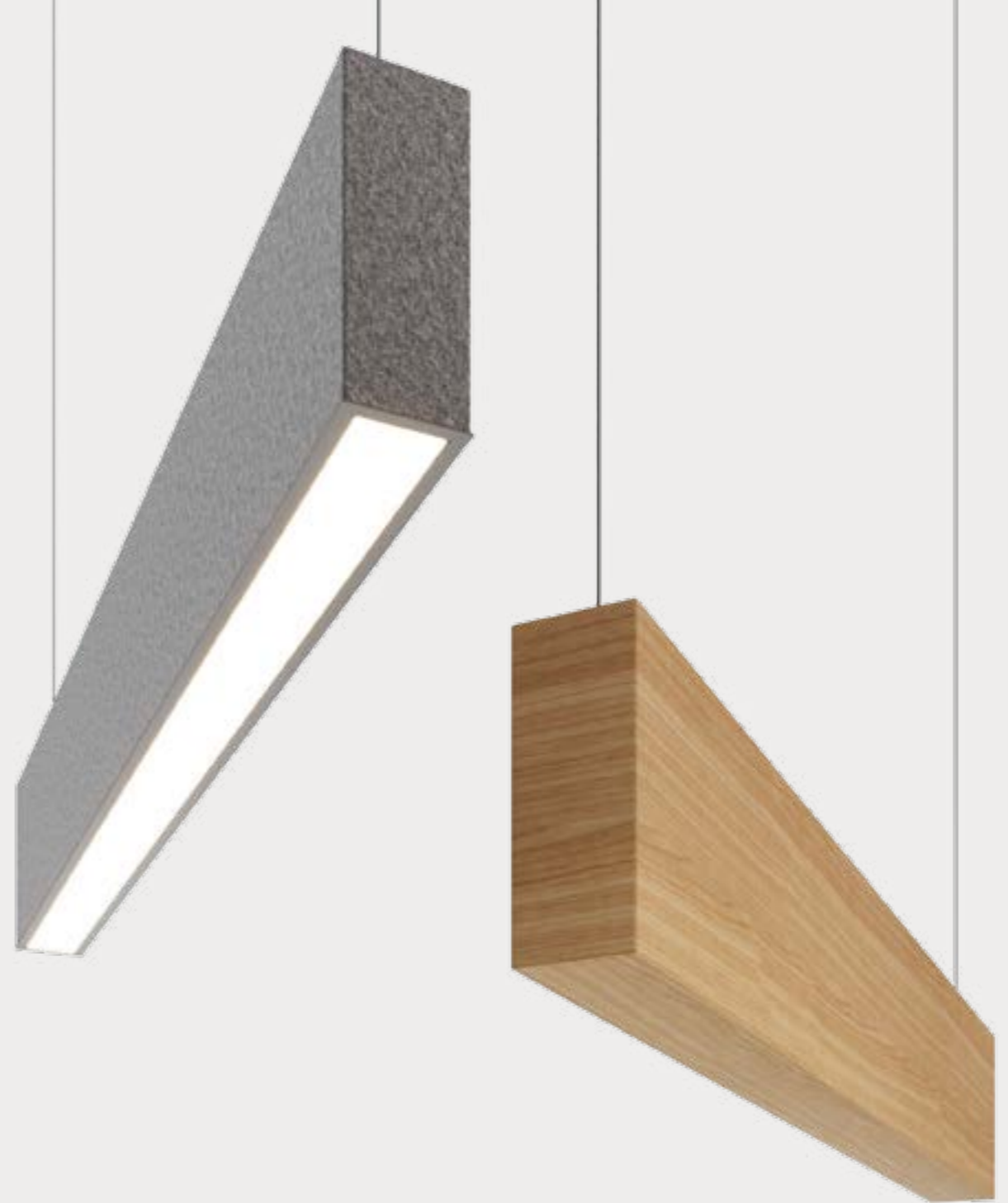




RAIL

ezoBord

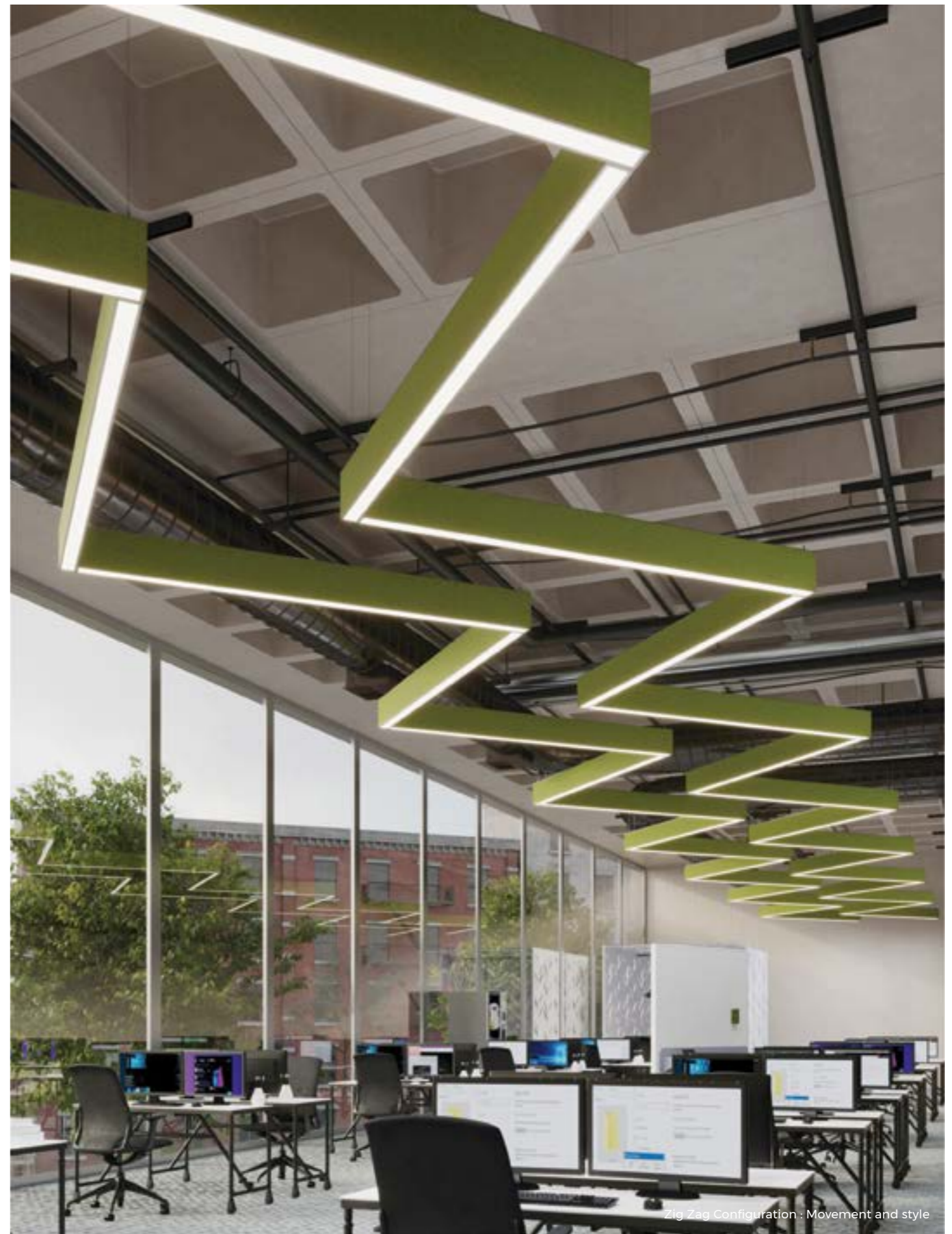


Meet **RAIL** With Rail we are going beyond illumination for interior spaces. True to our acoustic roots, we incorporate the performance of ezoBord material to LED technology providing a synergistic relation between acoustics and lighting as a solution to high-end noise levels, reverberation and poor lighting issues common to open spaces.

Rail comes with a variety of light color temperatures and as a mix with our classic Baffle Systems ("Vesi" and "Veldi").



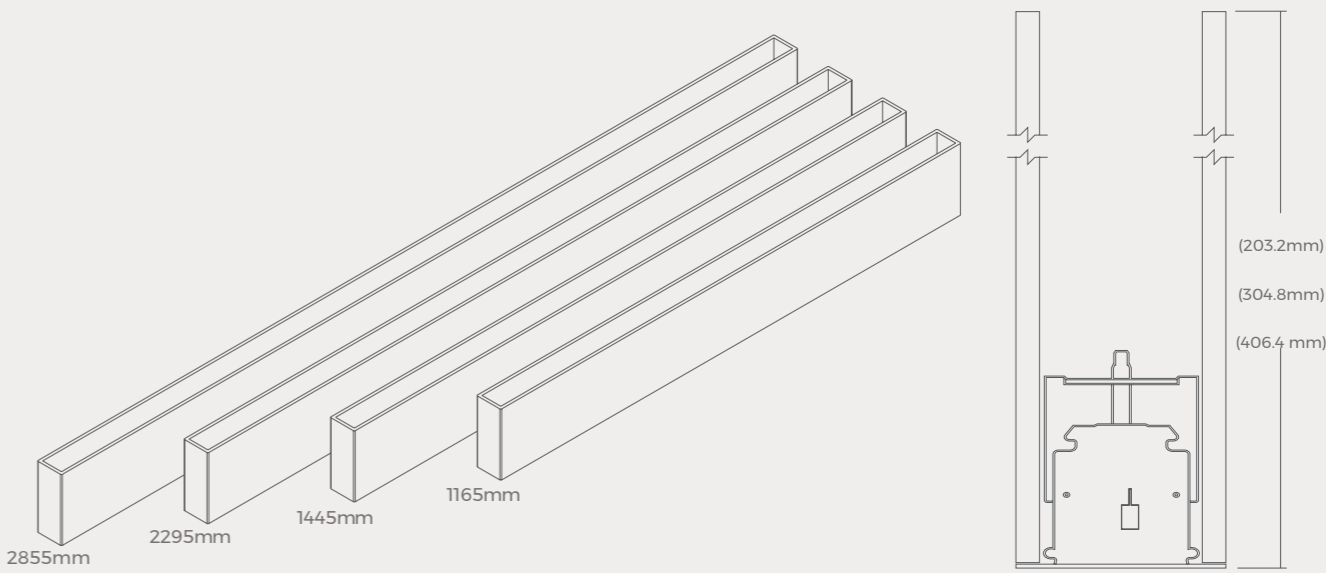
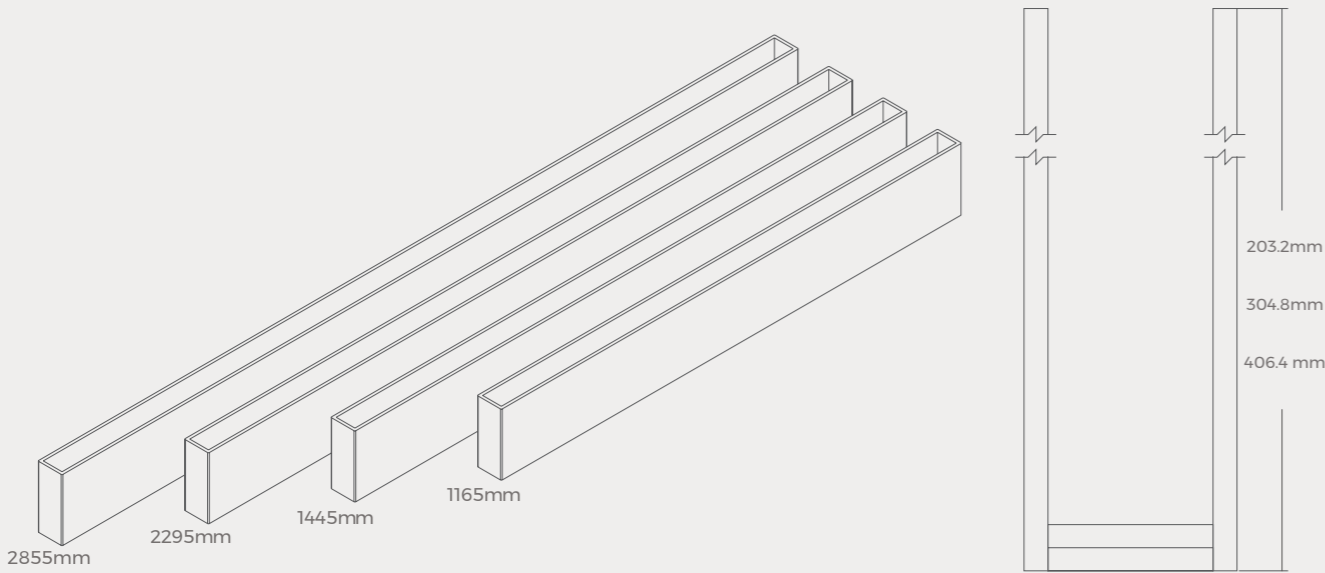
Cross Configuration: Rhythm and sequence



Zig Zag Configuration: Movement and style

# Acoustic Specifications

# LED Specifications



Dimensions

Acoustic

Dimensions

LED

**ACOUSTIC BAFFLES**

**COMPOSITION**

100% PET (min. 50% recycled content).

**THICKNESS**

Available in two thicknesses:  
 · 3/8" (9mm ) | ±0.5mm  
 · 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)

**DIMENSIONS**

**LENGTHS**

1165 mm  
 1445 mm  
 2295 mm  
 2855 mm

**HEIGHTS**

203.2mm  
 304.8mm  
 406.4mm

**FIRE TESTING**

· North America: - ASTM E-84 Class A\* - CAN ULC S102-10  
 · Europe and UK: - EN13501-1: 2007

**ENVIRONMENT**

Made of polyester fiber, min. 50% of which comes from recycled water bottles which contributes to LEED MR Credit and BREEAM Health and Wellbeing, Materials points due to recycled content, acoustic performance, and low emitting materials. No VOC's: CDPH v1.2 and REACH SVHC Compliant.

**ACOUSTICS**

Refer to ASTM C423-17 test charts for specific absorption coefficients.

· 38" (9mm): NRC 0.95 (subject to mounting conditions)  
 · 12" (12mm): NRC 1.05 (subject to mounting conditions)

**PRODUCT VARIANCES**

Variation in fiber mix and color may occur. All products will be supplied within commercial tolerances.

**GENERAL**

Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

**LED LIGHTS**

**HOUSING**

Aluminium profile, natural anodised. For cut-out ceilings. Fixing via swivel bracket or wire suspension.

**OPTICAL SYSTEM**

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

**LIGHTING TECHNOLOGY**

Direct distribution.  
 White-opal satin-finished polycarbonate extruded profile with white reflectors  
 Rated life time = L80 B10 50,000h.  
 Light colour: 4000K. Optional: 3000K. Other light colours on request

**PAINT FINISHES**

Satin aluminum, white and black are standard finishes. For custom finish, contact factory.

**WEIGHT**

0.95 kg/300mm [ 2.1 lb/ft ]

**MOUNTING**

Electrical connection via five-pole feed-in and connection terminal with plugin technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm<sup>2</sup>

**Electrical**

Factory prewired with easy wire quick connect sections.

**ENVIRONMENT**

Suitable for dry or damp locations.

Please note we reserve the right to make changes to the exact specification.

# Finishes

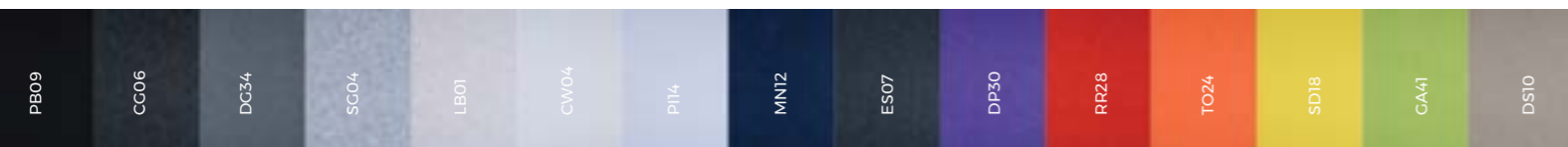


Mix & Match Your Colours

Print Wood Finish & \*Base Material

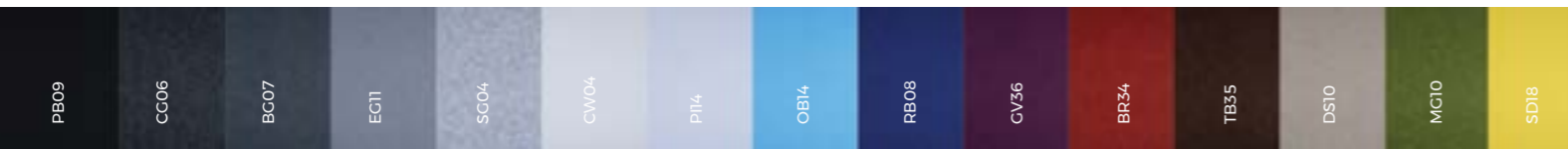
DARK OAK W-DO07	GREY OAK W-GO08	WENGE W-WNG02	APPLE W-AP05	CHERRY MATE W-CHM03	WALNUT W-WNT01	ASH W-AH06	HONEY OAK W-HNO09	WHITE MAPLE W-WM04	NATURAL BIRCH W-NB10
CC06	SC04	CC06	CC06	DS10	DC34	DS10	DS10	DS10	DS10

3/8" (9mm)



1/2" (12mm)

This colours are only used for Acoustic Baffles

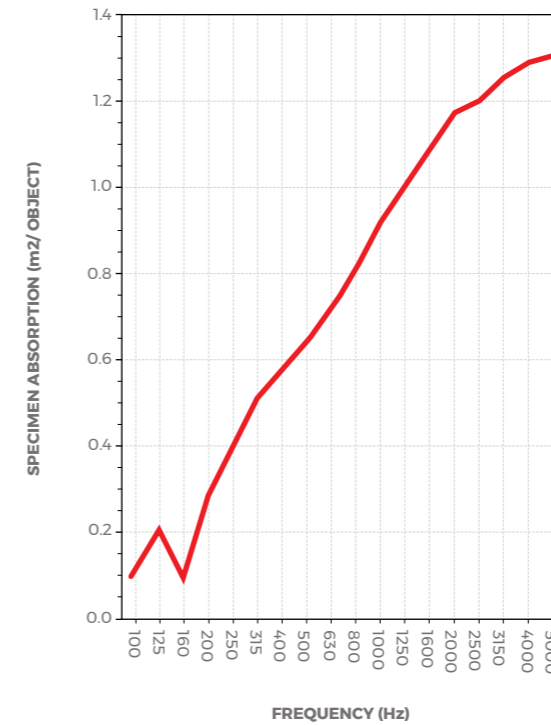


# Acoustic data

3/8" (9mm)

## SOUND ABSORPTION REPORT

Baffles for LED lighting, 9mm material (6 objects, 12 in. apart)



### ACOUSTICS

3/8" (9mm) Material:

LIT

Thickness: 3.25 in (82.6 mm)

Height: 12 in (304.8 mm)

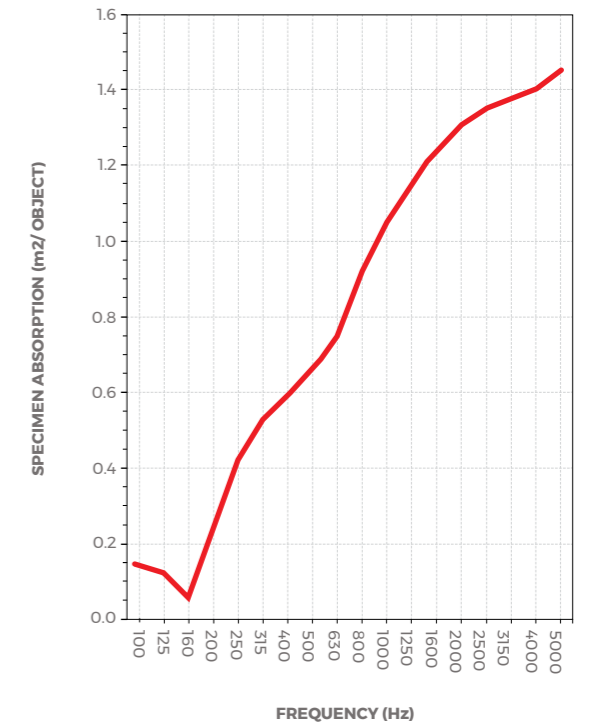
NRC: 1.10

SABINS: Per Lineal Metre: 4.35 | Per Lineal Foot: 1.33

1/2" (12mm)

## SOUND ABSORPTION REPORT

Baffles, 12mm material (6 objects, 12 in. apart)



### ACOUSTICS

1/2" (12mm) Material:

UN-LIT

Thickness: 3.125 in (79.4 mm)

Height: 11.5 in (292 mm)

NRC: 1.20

SABINS: Per Lineal Metre: 4.35 | Per Lineal Foot: 1.33

# Light data

Colour temperatures



3000K

4000K

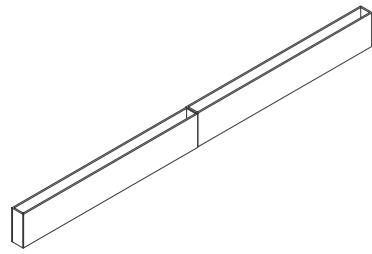
## Light Level Performance

Rated life time: L80 B10 50,000 Hours

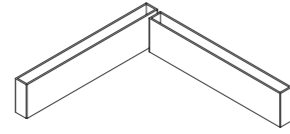
Size	LED Specification	Psys (W)	Efficacy w/lm
1165mm	2400lm 840	23w	104w/lm
1445mm	3000lm 840	30w	100w/lm
2295mm	4800lm 840	48w	100w/lm
2855mm	6000lm 840	60w	100w/lm

Product specification may change over time, exact product specification will be confirmed with order

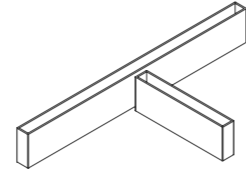
## Configuration Options



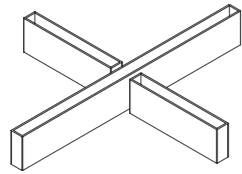
Aligned



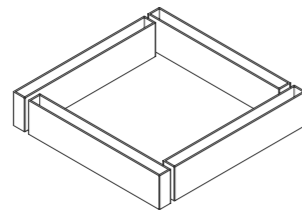
Corner



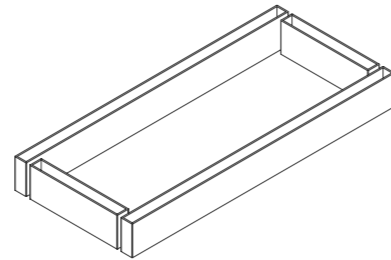
T-Shape



Cross



Square



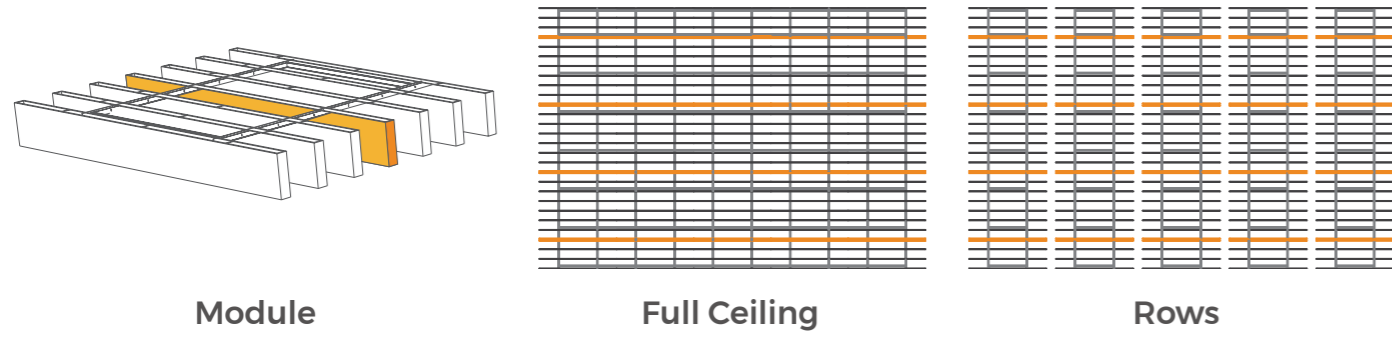
Rectangular



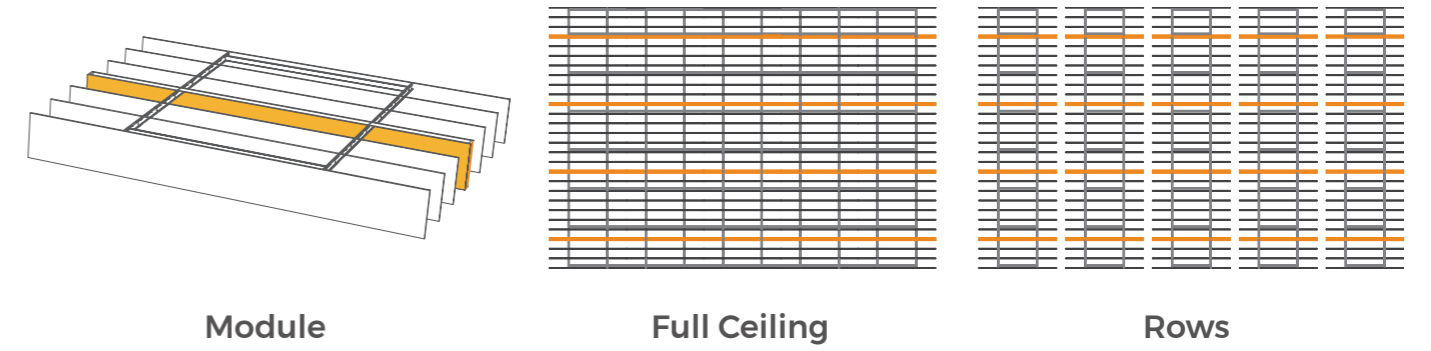
Grid Configuration: illumination and sound absorption at its best



## RAIL+RAIL Configuration



## RAIL+VESI Configuration

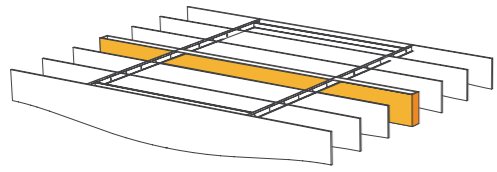


RAIL+ RAIL: acoustic and light performance design.

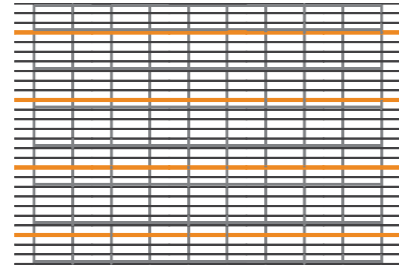


RAIL+ VESI: changing the game

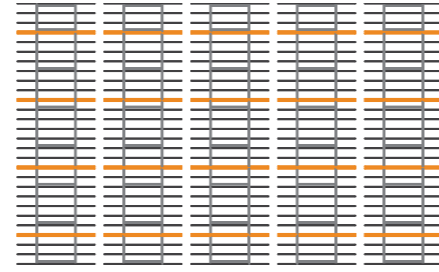
# RAIL + VELDI Configuration



Module



Full Ceiling



Rows



RAIL+ VELDI: perfect together to make an statement



Rail makes beautiful any space.



# Environment

## Our Commitment to the Environment

There are approximately 50 billion water bottles consumed around the world each year, and only about half of those get recycled. The rest end up in landfills, littered through our neighborhoods, or floating in our oceans.

Bottled water consumption has more than doubled since 2000; in 2015 there was the equivalent of more than 5 bottles of water consumed for every person in the USA every single week. This, of course, means that the amount of oil required to produce the energy used for the water bottling process continues to grow.

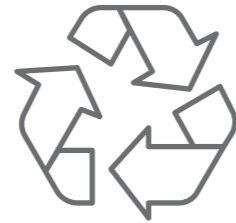
In 2007, the last year global statistics of oil consumption were available, between 32 million and 54 million barrels of oil were used to produce the bottled water that was consumed in the USA alone. This energy is used to make the bottles from PET pellets (1 million tons in the USA), treat water, bottle the water, label the bottles, and transport the bottled water. Most of the energy consumption occurs in the creation of the bottles themselves. To help in the lifecycle of this plastic product, we have chosen to manufacture our material so that it recycles these PET bottles. We are doing our part to reduce the waste. This acoustical and tackable material is made from PET bottles in a zero-waste 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



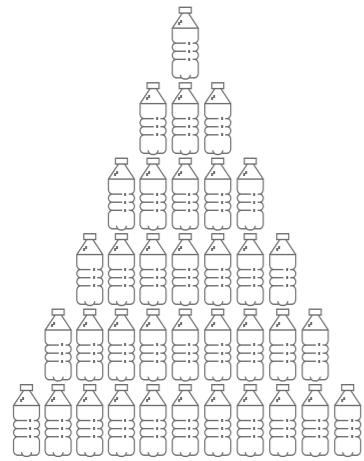
- low VOC
- formaldehyde free

## 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%.

## + - 36 PET BOTTLES



are used to make one 9mm thick ezoBord sheet

## + - 27 PET BOTTLES



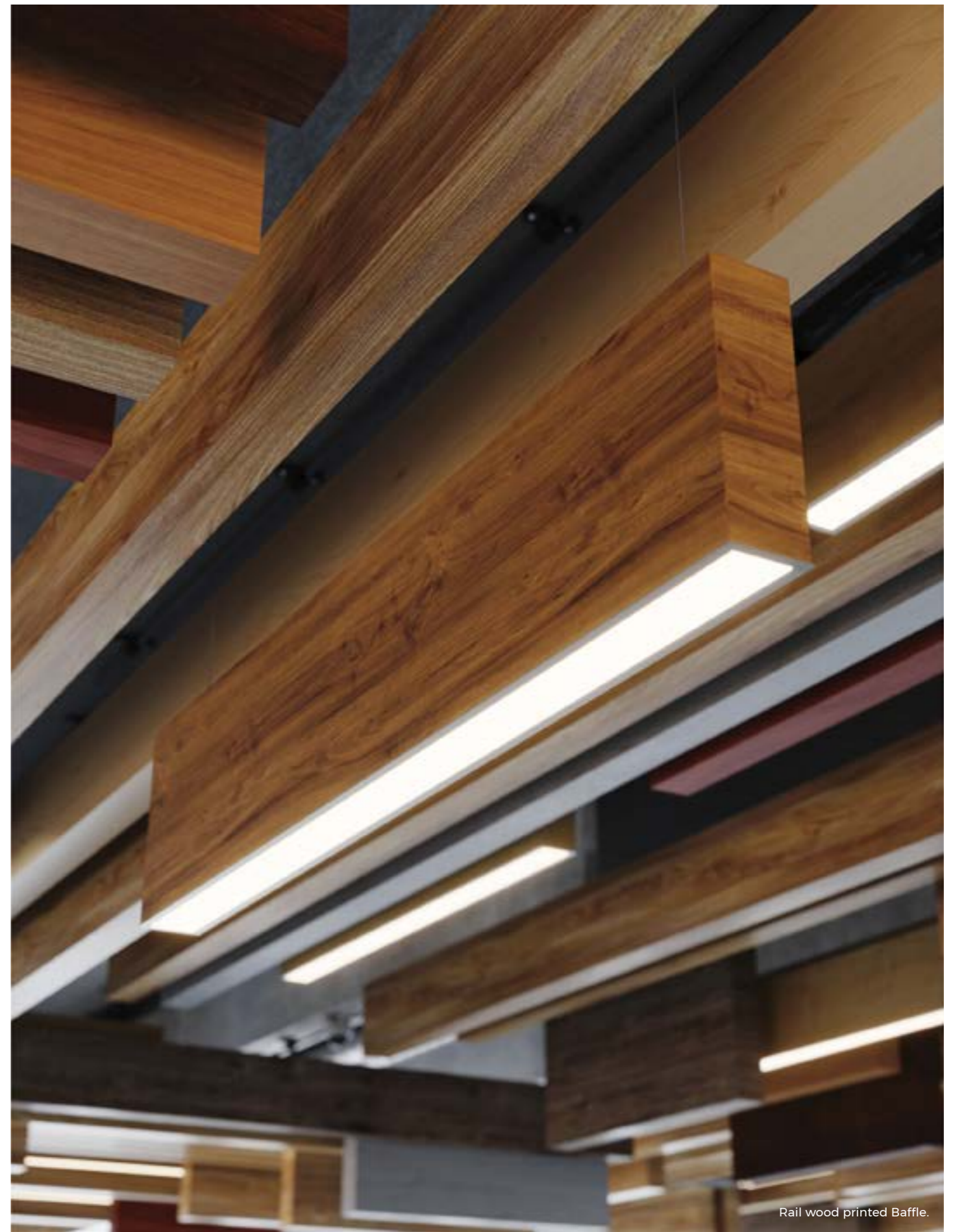
are used to make one 12mm thick ezoBord sheet



Rail enhances any space.



Design configurations are limitless.



Rail wood printed Baffle.

# ezoBord™

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+447973629382  
E: [sales@ezobord.co.uk](mailto:sales@ezobord.co.uk)



[www.ezobord.com](http://www.ezobord.com)