Array 24mm

Designer: Woven Image

Application(s): Ceilings

Composition & Pattern

Composition	EchoPanel Baffles 100% PET (60% post-consumer recycled)
Hardware Composition	100% Powder coated Aluminum Alloy 6060
Colours Available	20

Kit & Box Content

Box Contents	Acoustic baffles plus hardware. Baffle quantities vary depending on design

Dimensions & Weight

Dimensions	Hardware and baffle dimensions will vary per design, see drawings on spec.
Unit of Sale	Box
Unit of Sale Net Weight (kg)	20.46

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Performance

Fire Test Result	ISO 9705: Group 1, BS EN 13501.1: Classification B - s1, d0, ASTM E84 Unadhered: Class 1 or A
Acoustic Performance Standard Test Method	AS ISO 11654: 2002 (2016), AS ISO 354: 2006 (R2016), ASTM C423 - 17
Noise Reduction Coefficient (NRC) Result	Direct fix: 0.85
Sound Absorption Average (SAA) Result	Direct fix: 0.83
Weighted Sound Absorption Coefficient (αw) Result	Direct fix: 0.75(MH)
Sound Absorption Class	C (Direct fix)
Equivalent Absorption Area (Aeq) in m^2 Sabins	Direct fix: 125Hz = 0.15m^2, 250Hz = 0.44m^2, 500Hz = 0.46m^2, 1000Hz = 0.70m^2, 2000Hz = 0.85m^2, and 4000Hz = 0.83m^2
Additional Acoustic Information	Baffles tested were 2400mm x 300mm x 24mm, at 300mm spacing/centres. MH = Mid to High Frequency
Colour Fastness to Light Standard Test Method	ISO 105 B02
Colour Fastness Light Rating	6 - 7
Light Reflectance Standard Test Method	ASTM E1477-98A-2017
Light Reflectance Value	Luminous Reflectance Factors (see Table 3.0 below for all tested colours)

Sustainability

VOC Emissions Results	EchoPanel 24mm achieves ASTM D5116: TVOC Emissions Rate: <0.02mg/m^2/hr (7 days), and CDPH Standard Method v1.2: TVOC Emissions Rate: <0.054mg/m^3; Formaldehyde Emissions Rate: <2µg/m^3

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Sustainability Performance





Sustainability Performance Details

EchoPanel achieves GreenTag Certification GreenRate: Level A & Health Rate Platinum, Red List Free, and has an International Living Future Institute Declare Label. Array Baffles meet the sound reducing ceiling treatment requirements to attract points under feature S04 of WELL™ Standard v2.

Instructions

Additional Information

See Woven Image EchoPanel Care & Cleaning Guide.
See Woven Image Array Installation Guide.

Exact colour matching cannot be guaranteed between batches. Fibre mix and web variation are natural characteristics of this product.

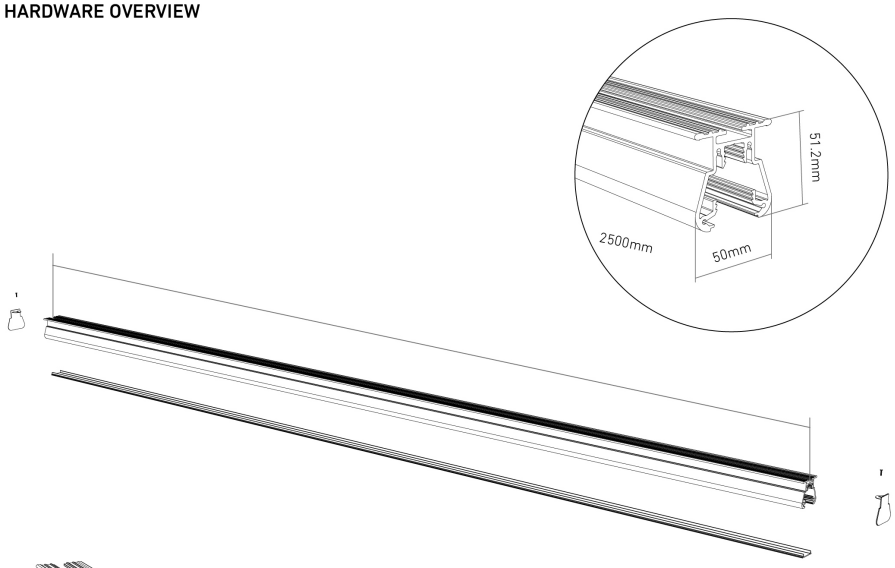
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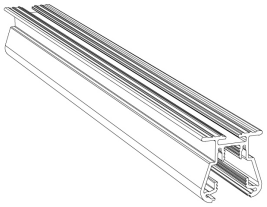
ARRAY ACOUSTIC CEILING SYSTEM (AACS)

OVERVIEW

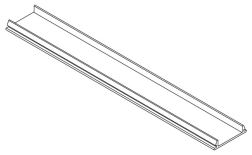
The Array Acoustic Ceiling System (AACS) is a fully scalable acoustic ceiling system that accommodates 12mm & 24mm EchoPanel® baffles. It features streamlined aluminium hardware that has been engineered for easy installation, and can be used in both ceiling or wall applications.
Below hardware all sold separately.

HARDWARE OVERVIEW





Array 2.5m rail
(available in black or white)



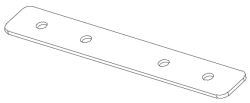
Array 2.5m snap cover
(available in black or white)



Array end cap
(available in black or white)



Array tek screw



Array joiner plate

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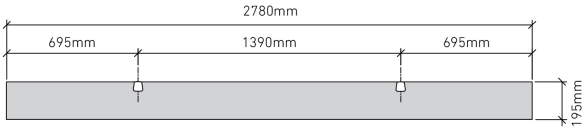
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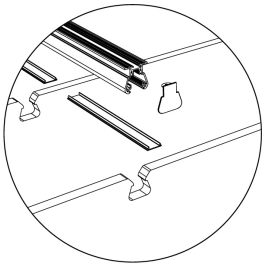
BEAM 200

ECHOPANEL® 24mm BAFFLE DESIGN

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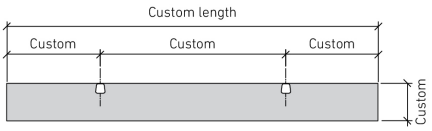
STANDARD BAFFLE SIZE

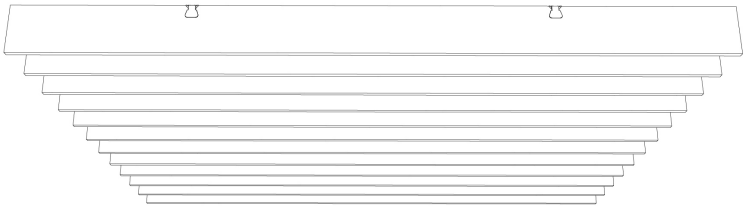


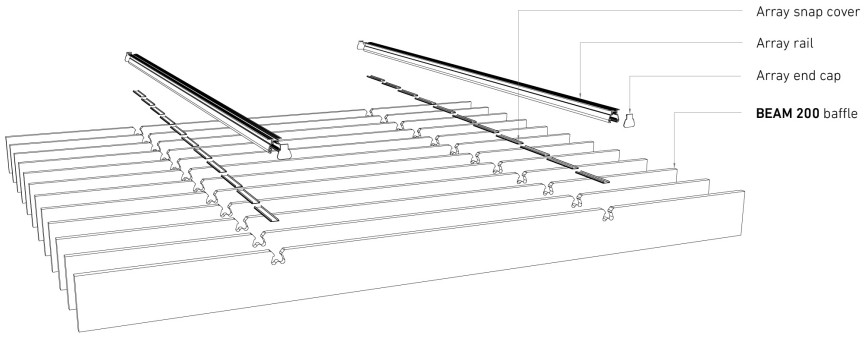


CUSTOM LENGTHS ON REQUEST

(Maximum length 2780mm)







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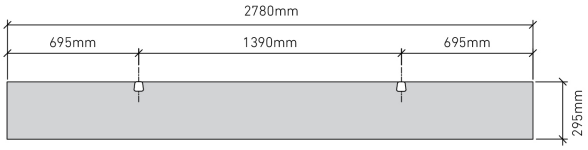
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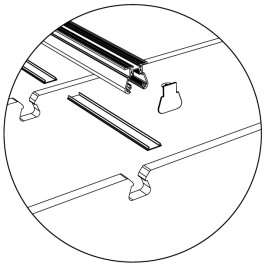
BEAM 300

ECHOPANEL® 24mm BAFFLE DESIGN

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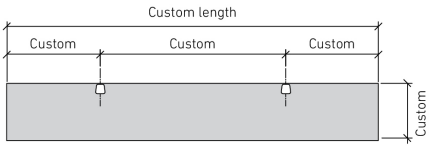
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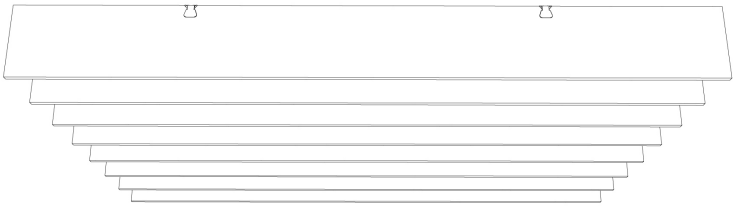


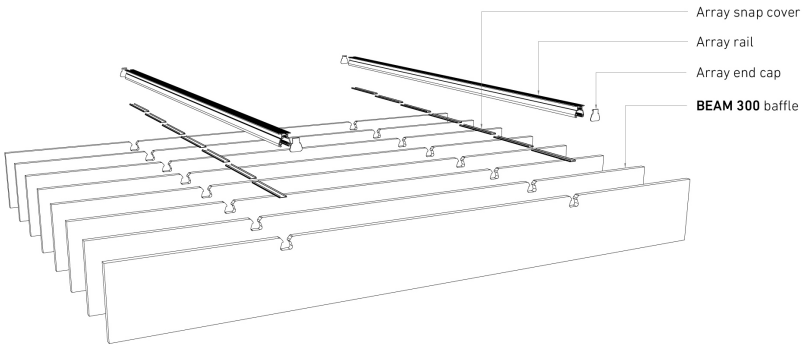


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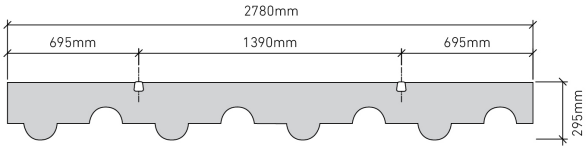
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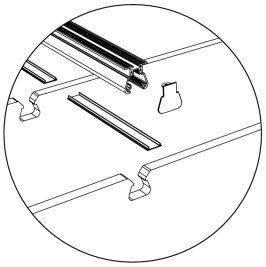
CATHEDRAL

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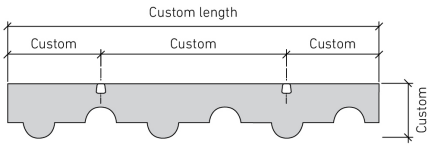
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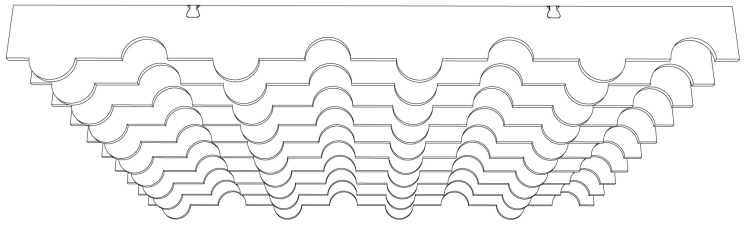


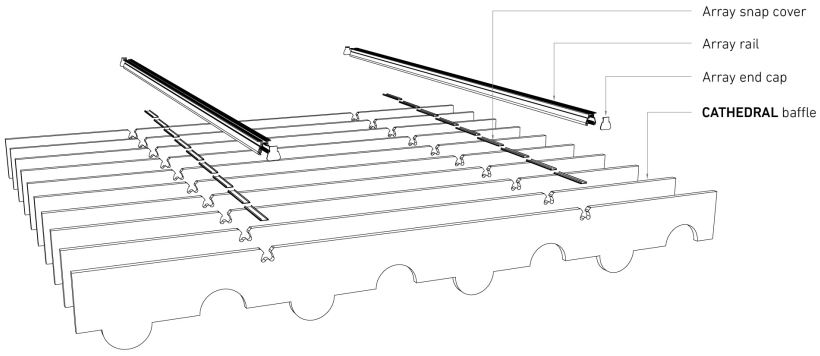


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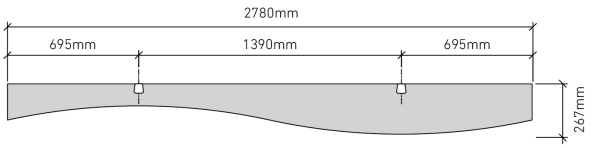
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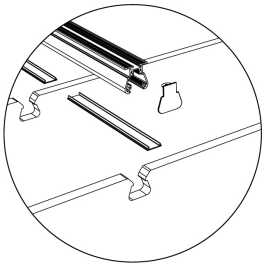
FLOW

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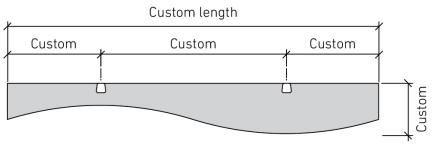
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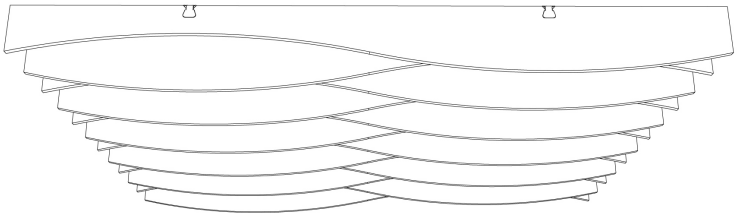


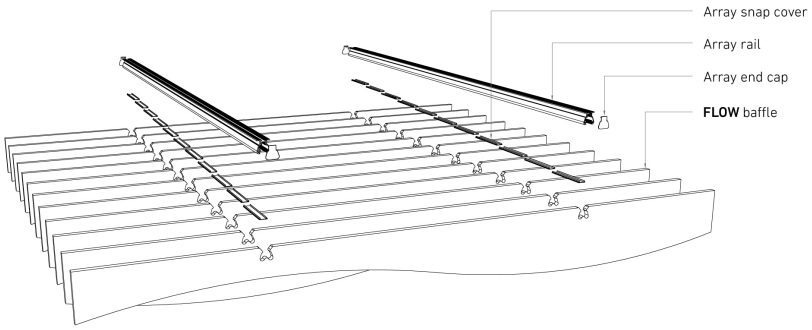


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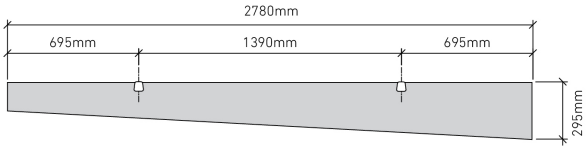
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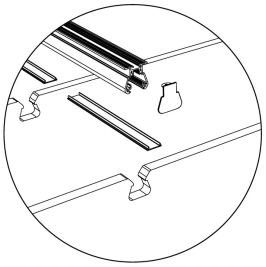
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ECHOPANEL® 24mm BAFFLE DESIGN

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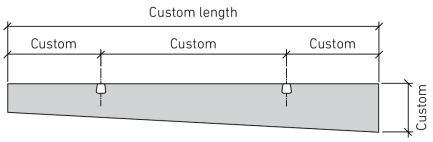
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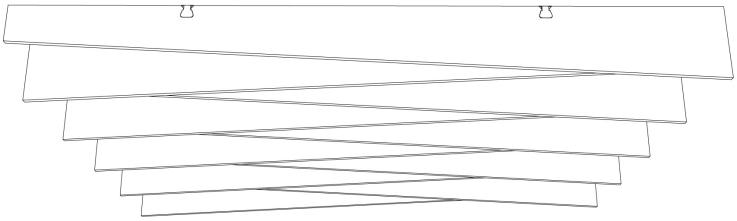


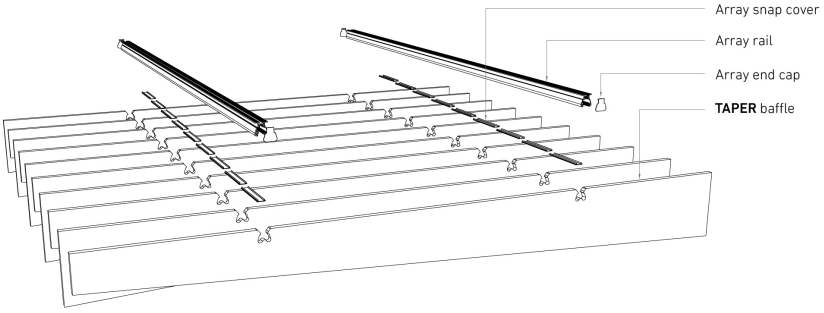


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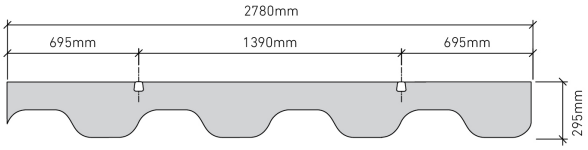
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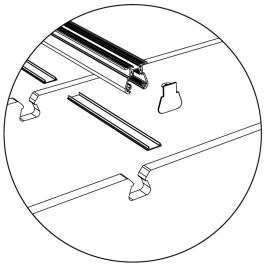
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ECHOPANEL® 24mm BAFFLE DESIGN

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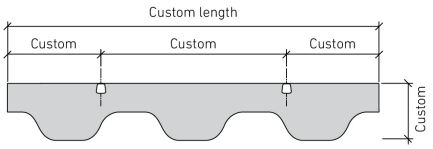
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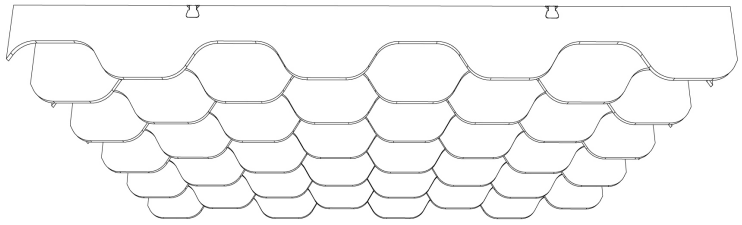


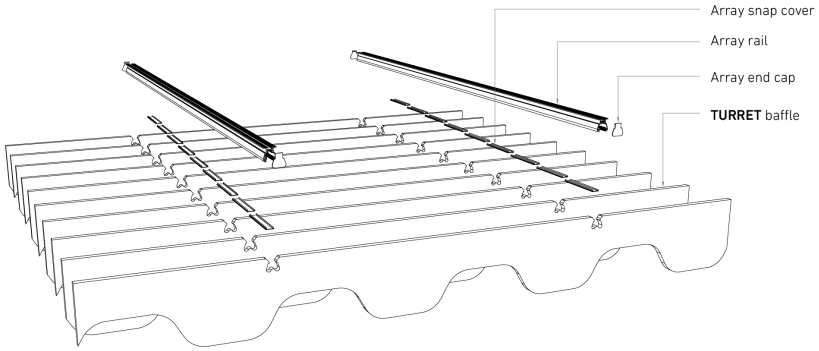


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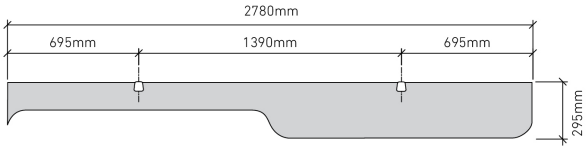
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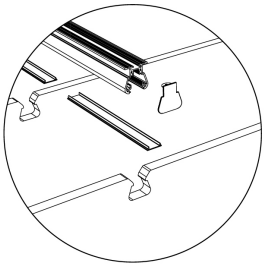
VALLEY

ECHOPANEL® 24mm BAFFLE DESIGN

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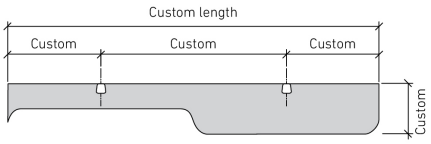
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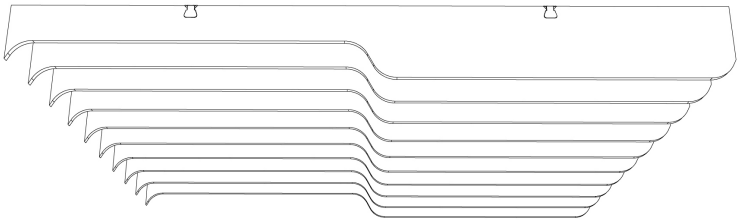


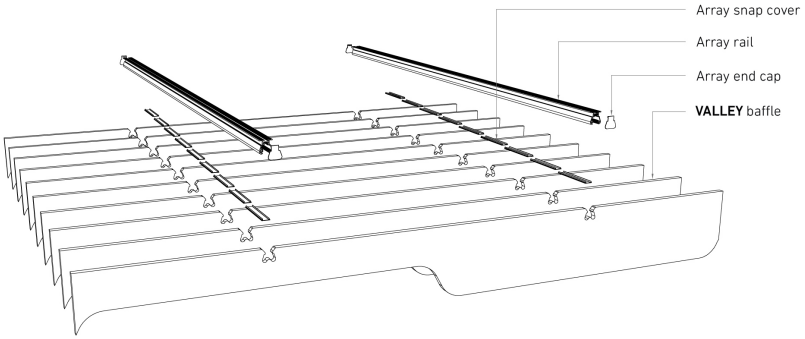


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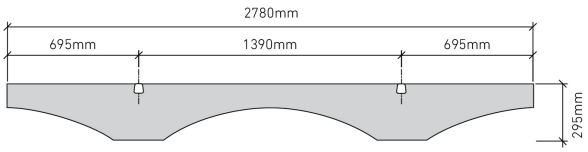
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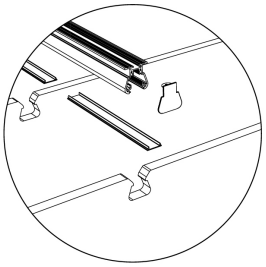
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ECHOPANEL® 24mm BAFFLE DESIGN

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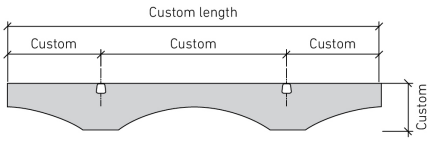
STANDARD BAFFLE SIZE

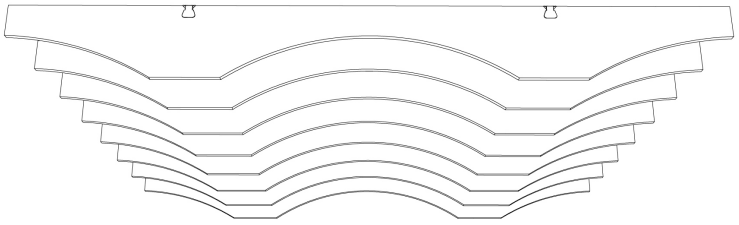


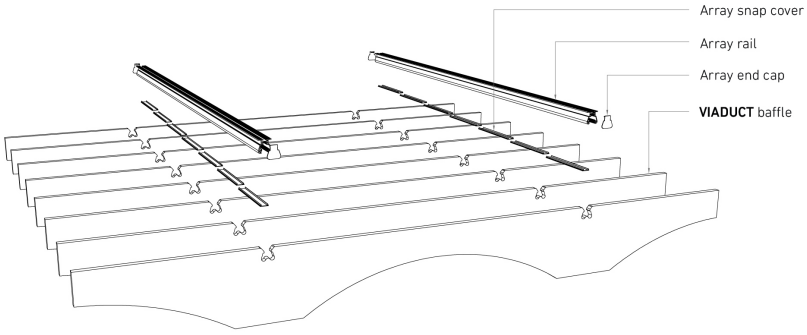


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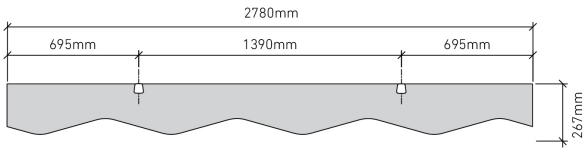
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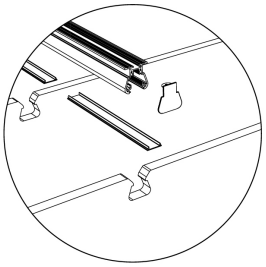
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ECHOPANEL® 24mm BAFFLE DESIGN

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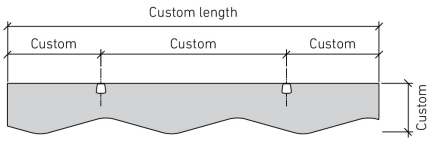
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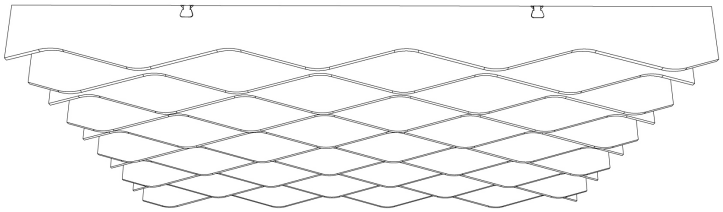


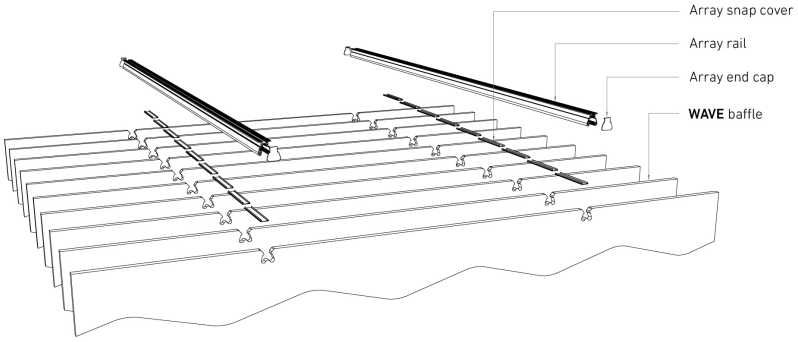


CUSTOM LENGTHS ON REQUEST

(Maximum length 2780mm)







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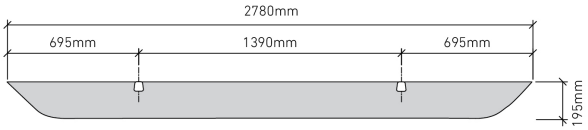
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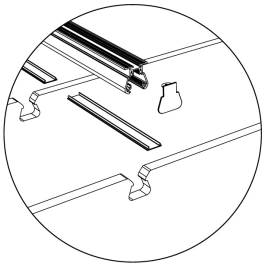
WEDGE 200

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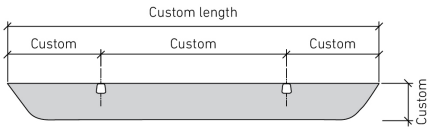
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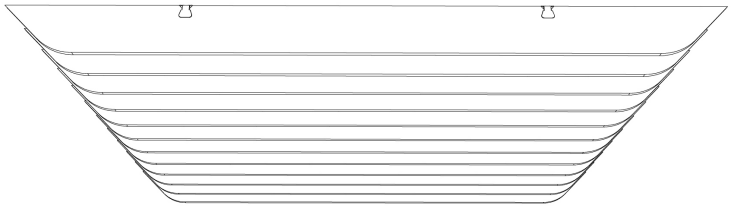


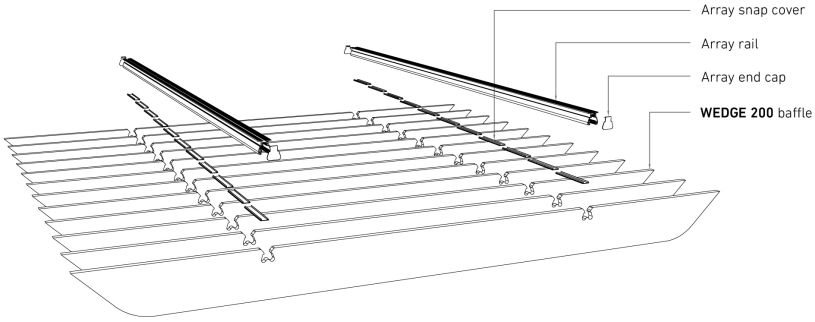


CUSTOM LENGTHS ON REQUEST

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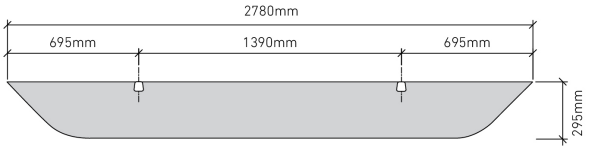
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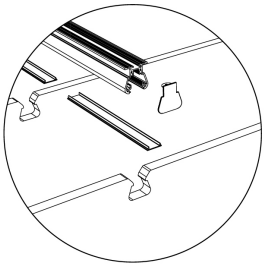
WEDGE 300

ECHOPANEL® 24mm BAFFLE DESIGN

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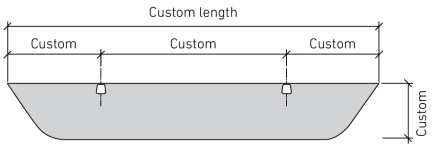
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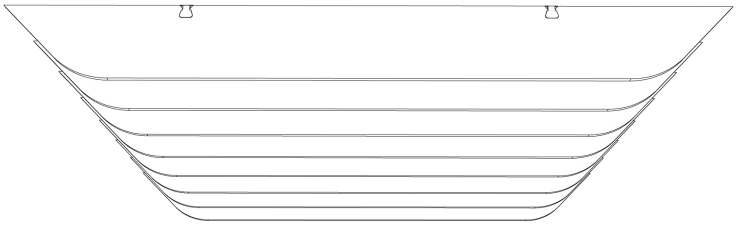


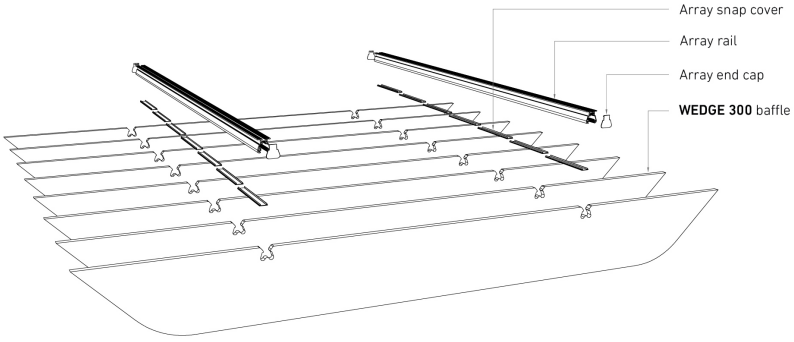


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TABLE 3.0

LUMINOUS REFLECTANCE (ASTM E1477-98A: 2017) ECHOPANEL® 24mm

COLOUR CODE	COLOUR NAME	LUMINOUS REFLECTANCE FACTOR
550	ONYX	2.76
330	IVY	7.30
269	WINE	7.34
633	PACIFIC	20.38

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