acoufelt

Wing
Ceiling Baffles

Premier Collection

Wing Ceiling Baffles give designers a new angle to play with scale and form, light and shadow, color and tone. Combine them with other baffle shapes if you like. They easily install to create a sound-absorbing mass, drop room reverberation, and add visual interest anywhere. Ceiling baffles are a great first course in your soundscaping strategy.

Specifications

Surface	Ceiling
Material	FilaSorb™ polyester felt
Weight	2400gsm 4800gsm
Standard Sizes	*Height ranges from end-to-end (2:1)* Height A: 102mm up to 610mm H (51mm increments) Height B: 51mm up to 305mm H (25mm increments) Lengths: Range from 305mm up to 2794mm *See page 4 for more details. Custom sizes available*

Wing Ceiling Baffles in Grey

Technical

NRC Rating	**12mm*** 1.30 **24mm*** 1.15
Fire Test	AS ISO 9705:2003 (according to AS 5637.1:2015 requirements) Group 1 0.93
Water Sorption	ASTM C1104-2019 (A Modified) Water sorbed by weight: 0.20% (based on a 12mm thick panel)
Colorfastness	ISO 105-B02, 6-7

** Test results available upon request*

Details

Lead Time	Refer to Product Lead Time Matrix
Origin	Australia
Warranty	Product: 20 years* Colorfastness: 20 years*

** Conditions apply*

Environmental

Recycled Content	Minimum 60%
Energy	Generated using 40% solar energy
Indoor Air Quality	VOC less than/equal to 0.5mg/m3
Recyclable	100%*
Certifications	Health Product Declaration (HPD)** Environmental Product Declaration Declare Certification - LBC Red List Free (third-party verified) SCS Global Indoor Advantage Gold

** PET is recyclable through participating partners*

*** HPD only applies to 12mm thickness*

® The Health Product Declaration® logo is a registered trademark of HPD Collaborative.

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Colorways

White
WH12

Milkyway
MI74

Ivory
IV11

Pearl
PE21

Valentine
VA70

Quartz
QU67

Stonewash
ST72

Sea Salt
SE57

Platinum
PL04

Almond
AL55

Pistachio
PI25

Turmeric
TU60

Flamingo
FL61

Amethyst
AM69

Periwinkle
PE23

Peacock
PE20

Metal
ME03

Mushroom
MU75

Celery
CE65

Wheat
WH68

Peach
PE19

Lilac
LI13

Marine
MA15

Sencha
SE58

Grey
GR02

Umber
UM54

Wasabi
WA29

Popcorn
PO26

Currant
CU59

Berry
BE06

Azure
AZ05

Oregano
OR18

Charcoal
CH01

Walnut
WA56

Eucalyptus
EU71

Carrot
CA08

Loganberry
LO77

Granite
GR62

Denim
DE09

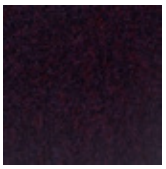
Kale
KA12

Piano Black
PI24

Slate
SL27

Nori
NO76

Peppercorn
PE22


Shiraz
SH63

Flint
FL64

Midnight
MI16

For questions or additional product information,
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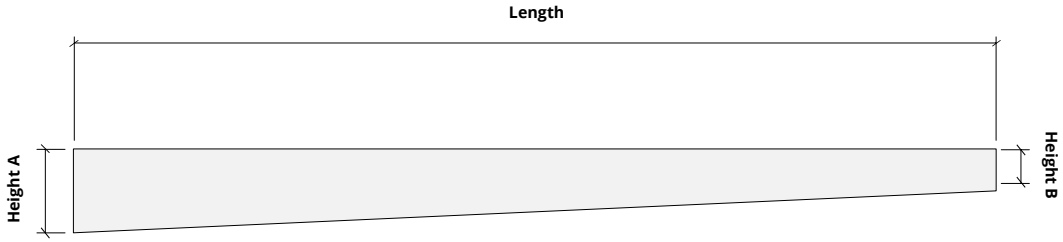
Sizes

Standard Heights *Height ranges from end-to-end (2:1)*
Height A: 102mm up to 610mm H (51mm increments)
Height B: 51mm up to 305mm H (25mm increments)
Custom sizes available

Standard Lengths 305, 457, 610, 762, 914, 1067, 1219, 1372, 1524, 1676, 1829, 1981, 2134, 2286, 2438, 2438, 2743, 2794mmL
Custom sizes available

Height A	Height B
102mm	51mm
152mm	76mm
203mm	102mm
254mm	127mm
305mm	152mm
356mm	178mm
406mm	203mm
457mm	229mm
508mm	254mm
559mm	279mm
610mm	305mm



Height range from Point A to Point B is 2:1

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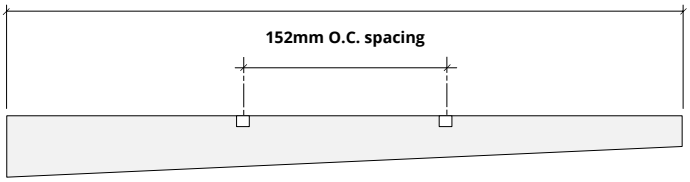
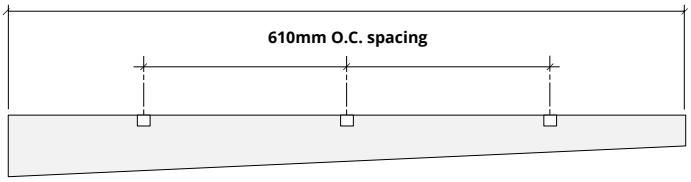
Hardware Spacing

305, 457mm L	152mm on center spacing
610, 762mm L	305mm on center spacing
914, 1067, 1219, 1372mm L	610mm on center spacing
1524, 1676, 1829, 1981, 2134, 2286mm L	610mm on center spacing
2438, 2591, 2743, 2794mm L	762mm on center spacing

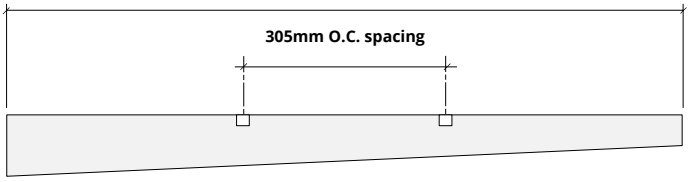
305 ,457mm L



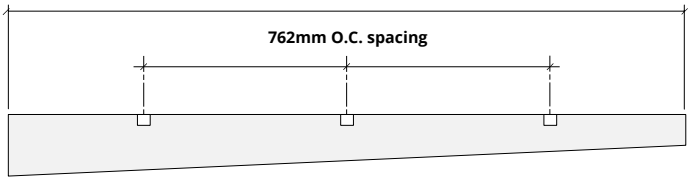
1524, 1676, 1829, 1981, 2134, 2286mm L



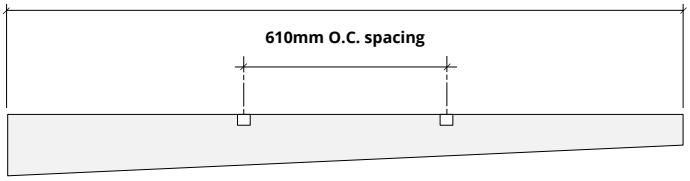
610, 762mm L



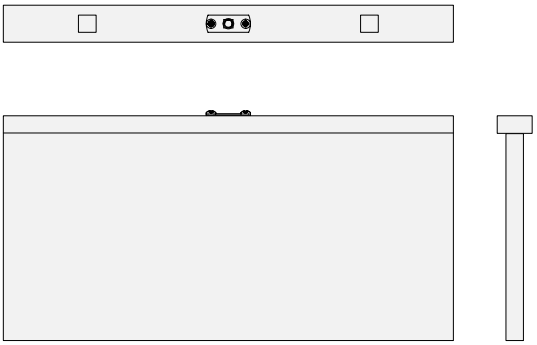
2438, 2591, 2743, 2794mm L



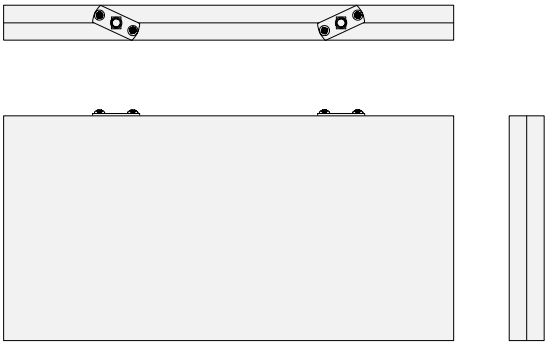
914, 1067, 1219, 1372mm L



12mm Baffle with Stiffener and Nut Plate



24mm Baffle with Nut Plate



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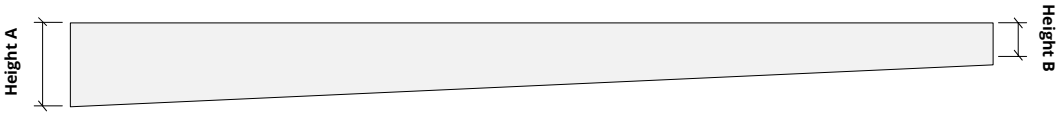
How to Specify

1. Choose Height | **2. Choose Length** | **3. Choose Colorways**

Select Height A based on desired design. See chart below for corresponding Height B.

Height A	Height B
102mm	51mm
152mm	76mm
203mm	102mm
254mm	127mm
305mm	152mm
356mm	178mm
406mm	203mm
457mm	229mm
508mm	254mm
559mm	279mm
610mm	305mm



Height range from Point A to Point B is 2:1

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1. Choose Height | **2. Choose Length** | **3. Choose Colorways**

Arc baffles come in the standard lengths of: 305, 457, 610, 762, 914, 1067, 1219, 1372, 1524, 1676, 1829, 1981, 2134, 2286, 2438, 2591, 2743, 2794mm L. Custom sizes are available.

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1. Choose Height | **2. Choose Length** | **3. Choose Colorways**

See colorway choices on page 3.

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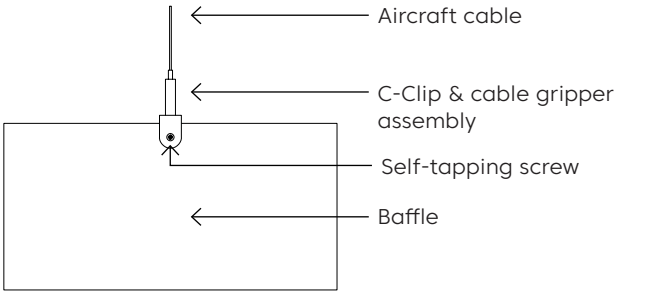
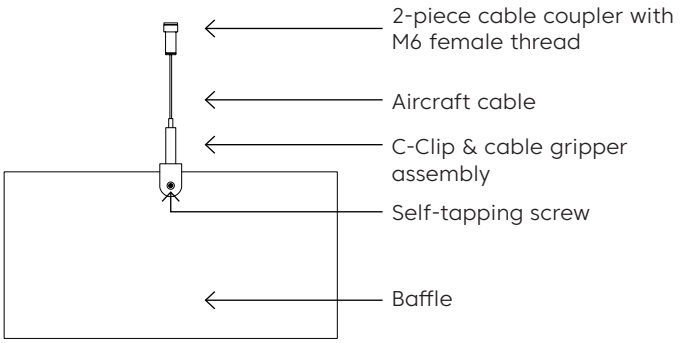
Mounting Methods

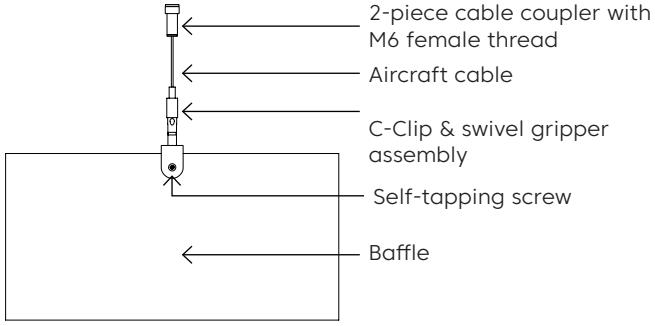
Cable



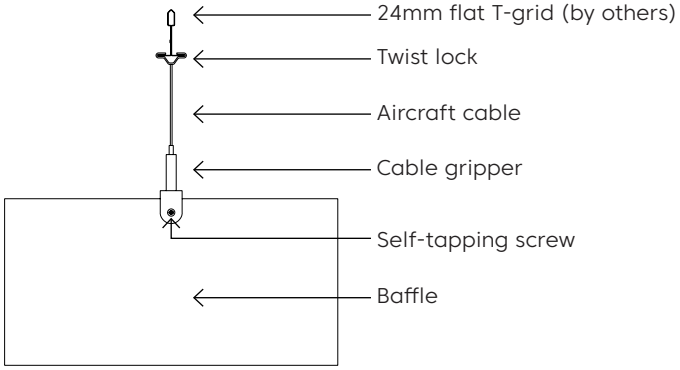
Cable to deck



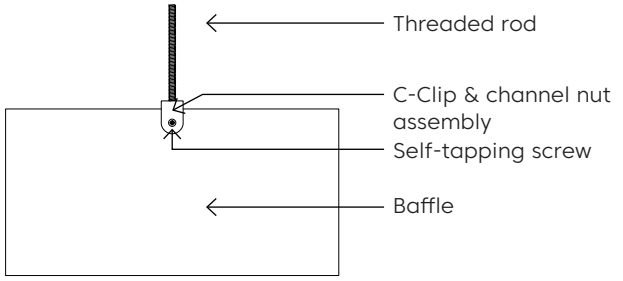
Swivel cable to deck



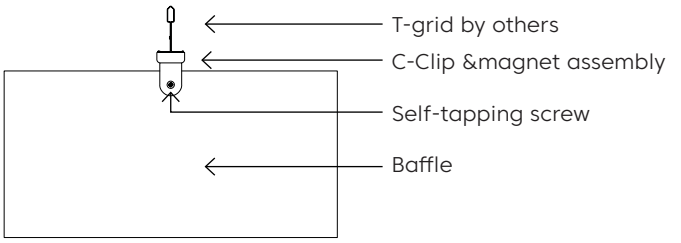
Cable to T-grid



Threaded Rod



Magnet to T-grid



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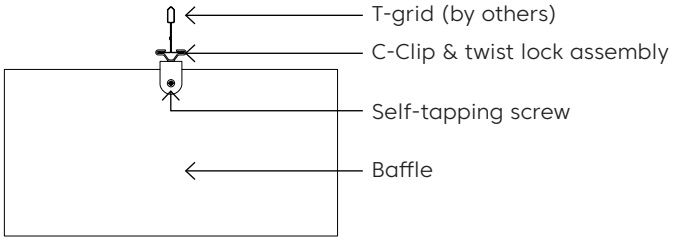
Twist lock to T-grid



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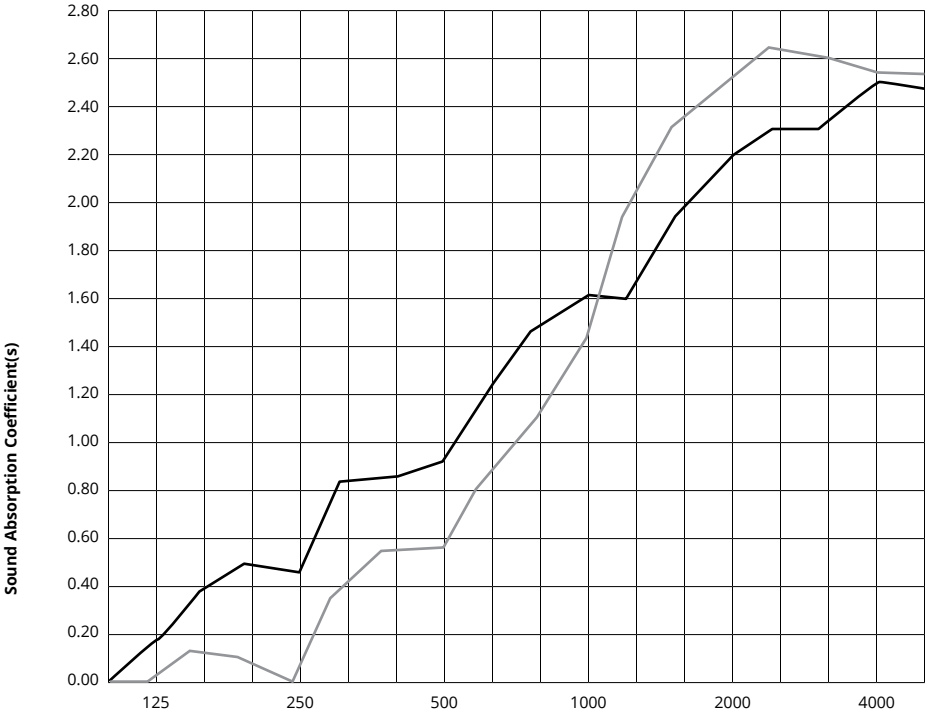
Acoustic Performance

Test Method	ASTM E795-16	
Install Method	J-600	
Rating Method	ASTM C423-17	
Mounting Method	Sample tested 6 baffles 2794mmL x 305mmD, 12mm and 24mm thickness, sample hanging 600mm from floor and 152mm O.C. from each other	
Test Results	**12mm** NRC 1.30 SAA 1.32, no air gap	**24mm** NRC 1.15



	Frequency f (Hz)	125	250	500	1000	2000	4000	NRC
	12mm	0.17	0.44	.93	1.62	2.20	2.51	1.30
	24mm	0.01	0.00	0.56	1.45	2.52	2.55	1.15

What is a Noise Reduction Coefficient (NRC)?

You'll find the NRC rating in the specifications of all of our products. This acronym stands for Noise Reduction Coefficient, and is expressed as a single number, a rating that describes the degree to which acoustic products can absorb sound.

You can use NRC values to understand the overall performance of our acoustic wall and ceiling products. The higher the NRC, the better the product is at soaking up the sound.

Performance Indices: Noise Reduction Coefficient (NRC) results represent the absorption coefficients measured at the one third octave bands at 125, 250, 500, 1000, 2000 and 4000 Hz rounded to the nearest 0.05. Acoustic testing has been performed according to the methods mentioned above. Customization of installation of the product could alter the results. Sound Absorption Average (SAA) indicates the absorption coefficient average for the twelve one-third octave bands ranging between 200 and 2500 Hz.

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