

## Suspended Acoustic Lighting Panel – Specification Sheet

<b>3</b> LIGHTING LAYERS	<b>56</b> Star Points	<b>RGBW</b> COLOUR	<b>10 kg</b> WEIGHT	<b>60mm</b> DEPTH	<b>aw 0.25</b> ACOUSTIC
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## PRODUCT FEATURES

- Suspended acoustic lighting panel with three configurable lighting layers: downlights, linear LED, and fibre-optic stars
- 56 individually addressable fibre optic star points driven by 8 LED engines (StarEFX MATRIX technology)
- FCOB RGBW addressable LED strip (WS2814 IC). 784 LEDs/m for smooth, continuous linear illumination
- Optional 1 or 2 tuneable downlights. Bridgelux V6 HD, CRI > 90, 36° beam angle
- 150+ customisable scenes via mobile app with WiFi synchronisation across panels
- Wall-mounted touchpad + controller for intuitive scene and lighting control
- High-density 24mm PET acoustic board. aw 0.25 (H), Sound Absorption Class E (ISO 11654)
- Powder coat frame: Matte Black or Matte White. Acoustic board: Opera, Pageant, Blue, Black, 24+ MOQ colours
- Fire-tested panel substrate to AS 5637.1-2015 - Group 1

## TECHNICAL SPECIFICATIONS

Light Source	Electrical	Acoustic
Lighting Layers Downlights + Linear LED + Fibre-optic Stars	Downlight Power 10W per fitting	Material 24 mm PET
Star Points 56 per panel (8 LED engines)	Downlight Input AC 220-240V AC	Surface Matte acoustic
Downlight Source Bridgelux V6 HD	Star Power 5W per panel	Absorption (aw) 0.25 (H)
Downlight CRI Ra >=90	Star Input 12V DC	Class E (ISO 11654)
LED Strip Type FCOB RGBW (WS2814)	LED Strip Power 20W/m	Test Method ISO 354
LED Density 784 LEDs/m	LED Strip Input 24V DC	Scenes 150+ customisable
Star Colour RGBW	Hub Integration LightEFX Touchscreen	Control Touchpad + App
Panel Dimensions		Fire Performance
Material PET + Powder coat frame	Full Panel 1190 x 595 x 60mm	Test Standard AS 5637.1-2015
Frame Finish Matte Black / Matte White	Half Panel (square) 595 x 595 x 60mm	Classification Group 1
Acoustic Board Opera / Pageant / Blue / Black	Depth 60 mm	Note Panel substrate only
Operating Temp -20°C to 40°C	Weight 10 kg (nominal)	Certifications AS 5637.1 / ISO 11654
Environment Indoor	Downlight Cutout ø75 mm	
Mounting Suspended	Warranty 2 years (standard)	

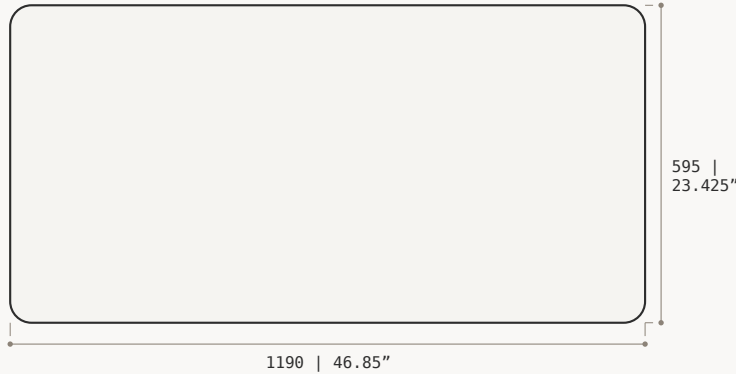
## LIGHTING MODULES

Module	Key Performance	Electrical / Control	Notes
Downlights (opt. 1-2)	3000K, CRI >90, 36°beam, ø75 mm	10W per fitting, AC input via driver, per controller	Downlight model is module- dependent. Refer to technical pack for photometrics.
Linear LED (addressable)	FCOB RGBW, CRI >90, 180° viewing angle	24 VDC, 20W/m, WS2814 IC 71.42mm addressable segments	10mm FPCB, 784 LEDs/m (nominal)
Fibre-optic stars	Integrated StarEFX star field effect	24 VDC, 5W, pixel-mapped AC input via driver	Star points randomly placed in a grid layout for animations

## PANEL SIZES

Panel	Length (mm)	Width(mm)	Depth(mm)
Full	1190   46.85"	595   23.425"	60   2.362"
Half (square)	595   23.425"	595   23.425"	60   2.362"

Full Panel - 1190 x 595 x 60mm



Half Panel - 595 x 595 x 60mm



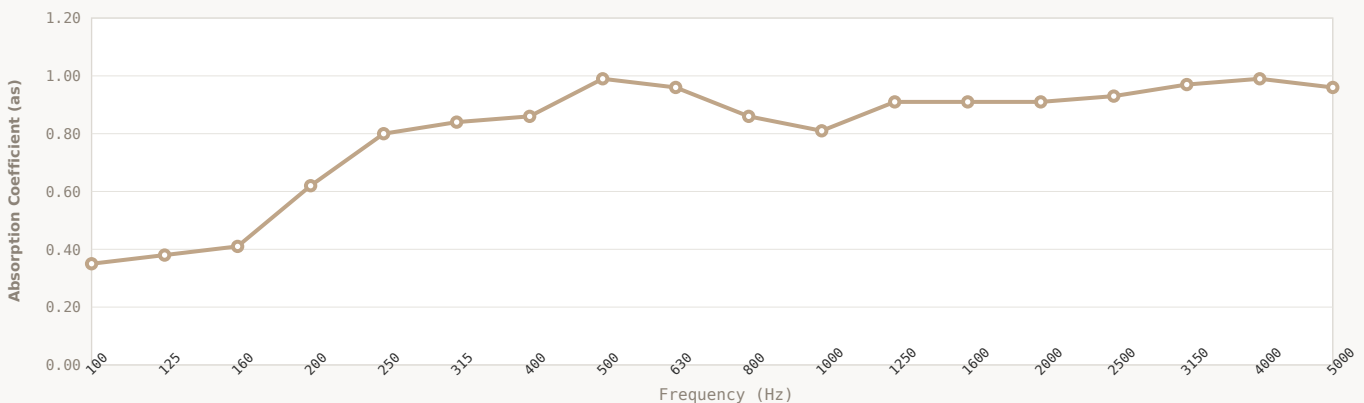
Acoustic PET Depth: 24mm  
Overall depth: 60mm

## PANEL COLOURS

Colour	Availability	Colour	Availability
 Matte Black	Standard	 Matte Black	Standard
 Grey	Standard	 Matte White	Optional
 Pageant Blue	Standard	Frame colours on rear of the Altair panel	
 Extended colour range	40 colours - custom orders		

## ACOUSTIC PERFORMANCE

NRC 0.90 | SAA 0.87 |  $a_w$  0.25(H) - Class E (ISO11654)



## CERTIFICATIONS

- Australian Standard: AS5637.1-2015 - Group 1 (panel substrate)
- Acoustic: ISO 354 / ISO 11654-1997
- NRC 0.90 / SAA 0.87 (24 mm PET acoustic board)

Specifications are subject to change without notice. Fire test results apply to panel substrate only. Acoustic test results based on 24 mm PET board tested to ISO 354. Actual performance may vary depending on installation conditions and room geometry.