



2'x2' White
Acoustic Light Panel
Part#: **414208**

Job Information <i>Fill out project details for this product below</i>			
Project		Location	
Contact		Date	
Product Number		Fixture Type	

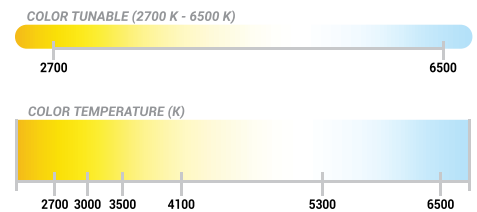
Designed to absorb sounds and for cost-efficient lighting and high brightness levels, offering bright, even illumination with an energy-efficient design for interior spaces.



APPLICATIONS

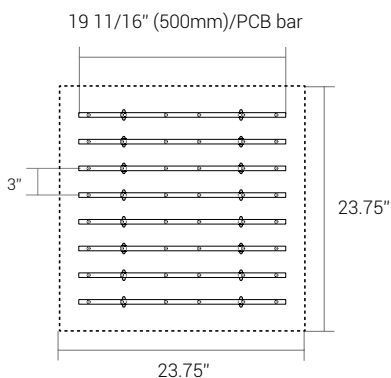
- Backlighting
- Ceilings
- Acoustic Isolation
- Backlit Graphics

LIGHT TEMPERATURE

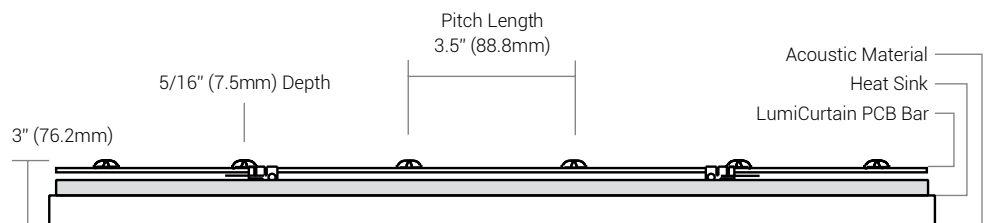


OVERVIEW

FRONT VIEW



PROFILE VIEW





SPECIFICATIONS

PHYSICAL SPECIFICATIONS

Part Number	414208
Series	LLB
Beam Angle	170° optically clear lens
CRI	≥ 80
Color Temperature	2700 K • 3000 K • 3500 K • 4100 K • 5300 K • 6500 K • Tunable
Mounting	Mounted with screws
Dimensions	23.75" x 23.75" (603.25mm)
Operating Temperature	-30 °C (-22 °F) ~ +40 °C (+104 °F)
Backlighting Area	Maximum tiling upto 4 pannels based on class 2, 96W power
Environment	Dry location only (indoor)
Core Material	60% PET Recycled Fiber and 40% PET-virgin fiber, and are 100% recyclable
Diffusion Depth Requirement	3" (76.2 mm)
Fire Performance	ASTM E84 and CAN/ULC S102 FSR
Color Options	A-01 White • A-02 Creamy White • A-04 Silver Grey • A-05 Sesame Black • A-07 African Grey • A-08 Royal Blue • A-09 Khaki • A-11 Water Grey • A-13 Black • A-14 Lake Blue • A-15 Mustard • A-16 Turquoise • A-17 Orange • A-18 Red • A-20 Honeybee Yellow • A-21 Brown • A-24 Sky Blue

ELECTRICAL SPECIFICATIONS

Input Voltage	24V DC
Power Consumption	18.4 W
Wire Size	14 AWG 2 wire
Wiring	Each panel must have direct connection to power supply. Do not wire panels in series.
Connector	Standard 5' (1500 mm), optional 10' (3000 mm) • 2.1 / 5.5 mm barrel plug (Standard) • Bare wire
Certification	UL recognized component (E362079)(TBC), Class 2 UL listed assemblies available, UL listed (E346146)

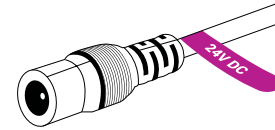
ACOUSTIC SPECIFICATIONS

Thickness	1/2"
Mount	Type E200
125Hz	0.69
250Hz	0.92
500Hz	0.96
1KHz	0.76
2KHz	0.79
4KHz	0.74
NRC	0.85



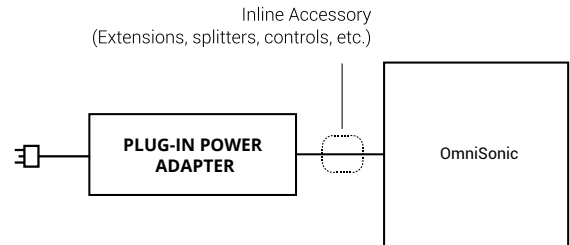
WIRING

- Determine your system components, including a power adaptor, as well as optional dimmer and controller. Use only UL certified power adaptors with the power output that coordinates with your input voltage. Do not apply 24V DC to 12V DC Light Guided Panel, as within seconds the result may be burned LEDs or fire. Look for our voltage tags at the end of the power cord.



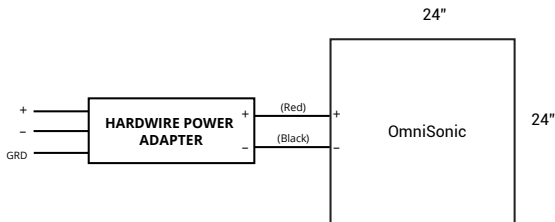
WIRING WITH HARDWIRE POWER ADAPTORS:

- Turn off power to your system at the main breaker;
- Install your system components. Refer to wiring guidelines for each component to build your system;
- Check connections and turn on power at the main breaker.

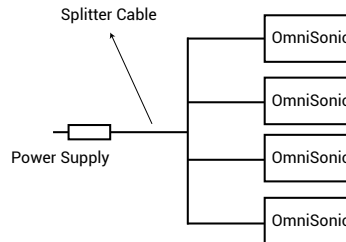


WIRING OmniSonic

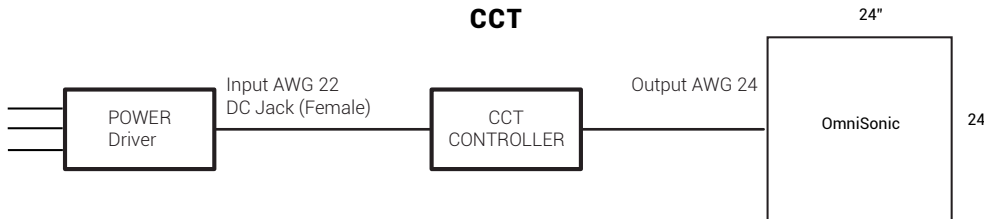
White



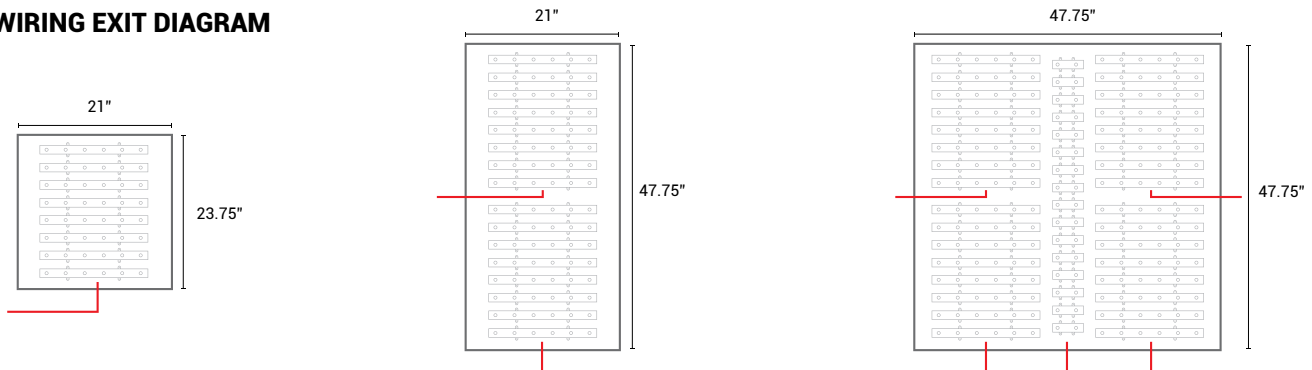
WIRING MULTIPLE PANELS



CCT



WIRING EXIT DIAGRAM



* Wiring for reference. Standard size only



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ACCESSORIES AND OPTIONS

POWER ADAPTORS OPTIONS

Plug-in (Class 2)

950021	24V	24W
950024	24V	90W
950025	24V	96W
950035	24V	96W

Hardwire

951012	24V	60W
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5 in 1 Dimming Driver

951004-24-096	24V	96W
951006-24-192	24V	2x96W

* Other power options available on request

CONTROLLER OPTIONS

RGB DMX

12V/24V x3CH

	24V	Max. 360W
970014	24V	96W

Inline Dimmer with Remote

970007	24V	144W
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LED Dimming Module

970001	24V	98W
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Rotatory Style Dimmer

970002	24V	192W
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* Other controller options available on request

CONNECTOR OPTIONS

DC jack 5'

80008	White
80006	Black

DC jack 10' (W)

80009	White
80007	Black

LIGHTBOX FRAME OPTIONS

Model Profile

Engage	
82200	1 1/16"

Focus

82220	2"
82250	3"

MOUNTING OPTIONS

Option 1	Surface Mounted
Option 2	Tension Mounted



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ORDER INFORMATION

LLB

Product #	Color Temperature	Voltage	Wattage
414208	300-3000 K 350-3500 K 410-4100 K 530-5300 K 650-6500 K	24-24V DC	2.3 2.3 W/Module
Connectors			
<p>80008 DC jack 5' White</p> <p>80006 DC jack 5' Black</p> <p>80009 DC jack 10' White</p> <p>80007 DC jack 10' White</p>			

EXAMPLE

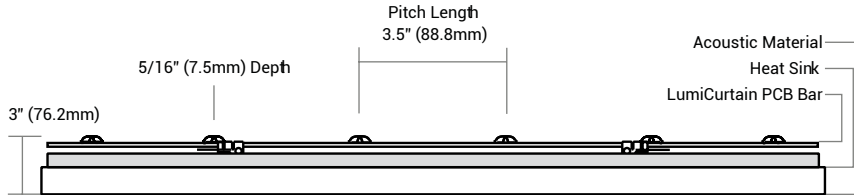
414208-650-24-2.3-80008

The specification number immediately above can be deconstructed as follows:

- OmniSonic Acoustic Light Panel; Color Temperature-6500K;Voltage-24V;Wattage-2.3 W/ft; DC Jack 5' White.

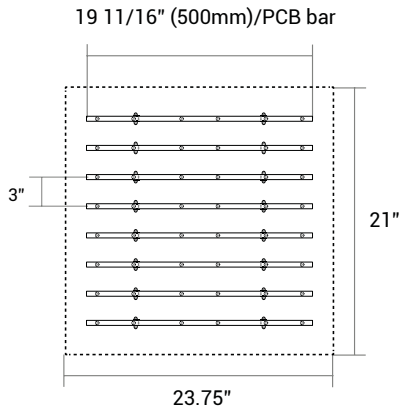


INSTALLATION

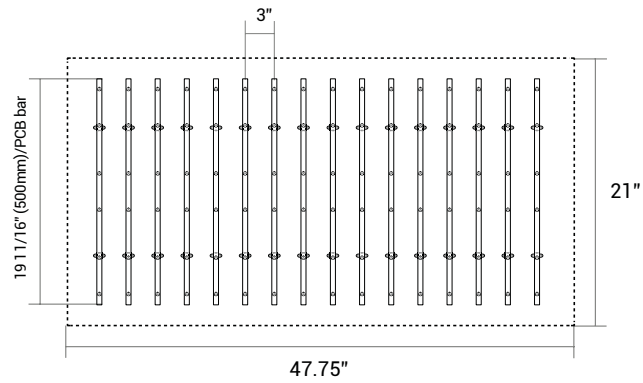


Sizes

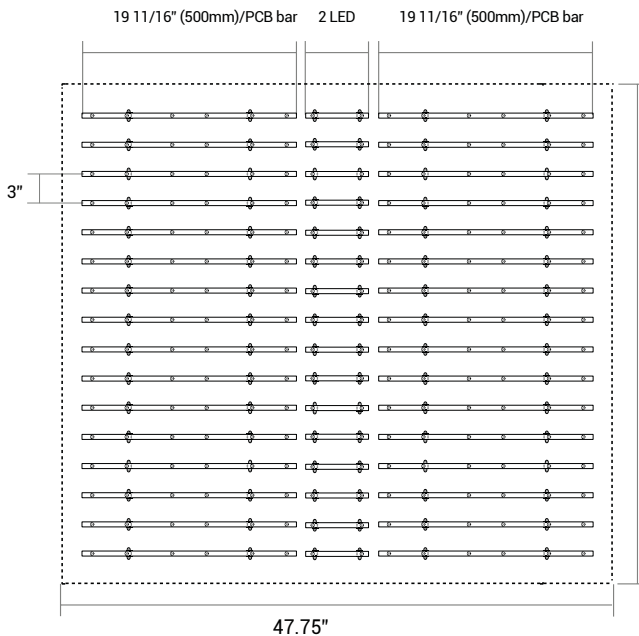
- 2ft X 2ft
- 4ft X 4ft
- 2ft X 4ft



2ft X 2ft



2ft X 4ft



47.75"

2ft X 4ft

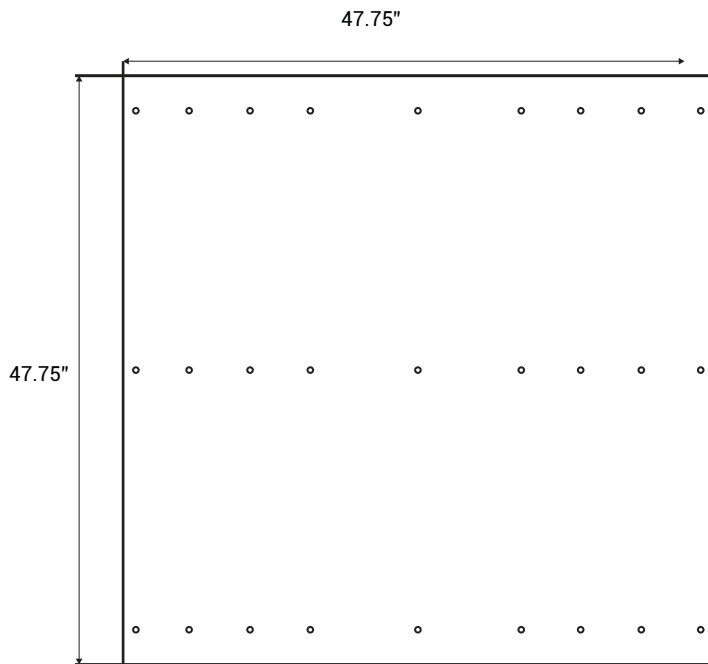
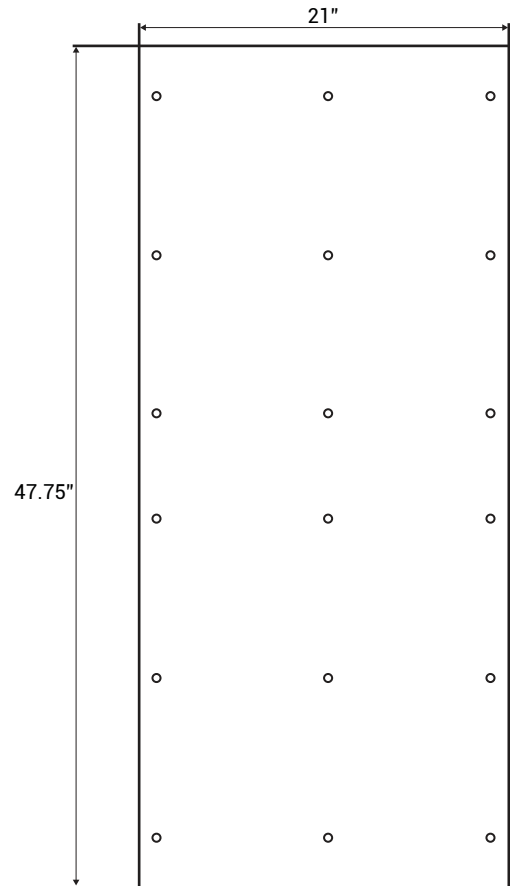
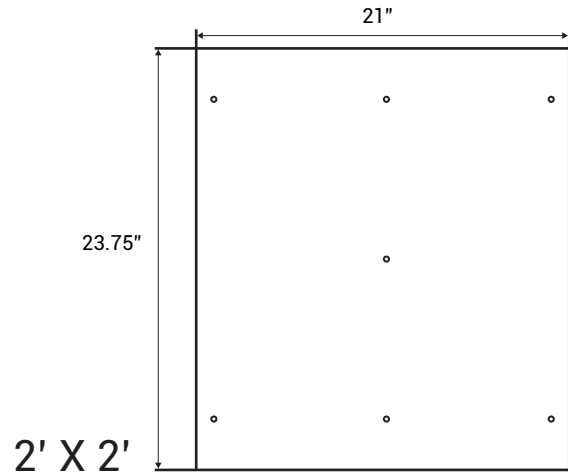


INSTALLATION

1 Please follow the predrill holes on the Omnisonic for Screw mount

- 2' X 2' (7 Holes)
- 2' X 4' (18 Holes)
- 4' X 4' (27 Holes)

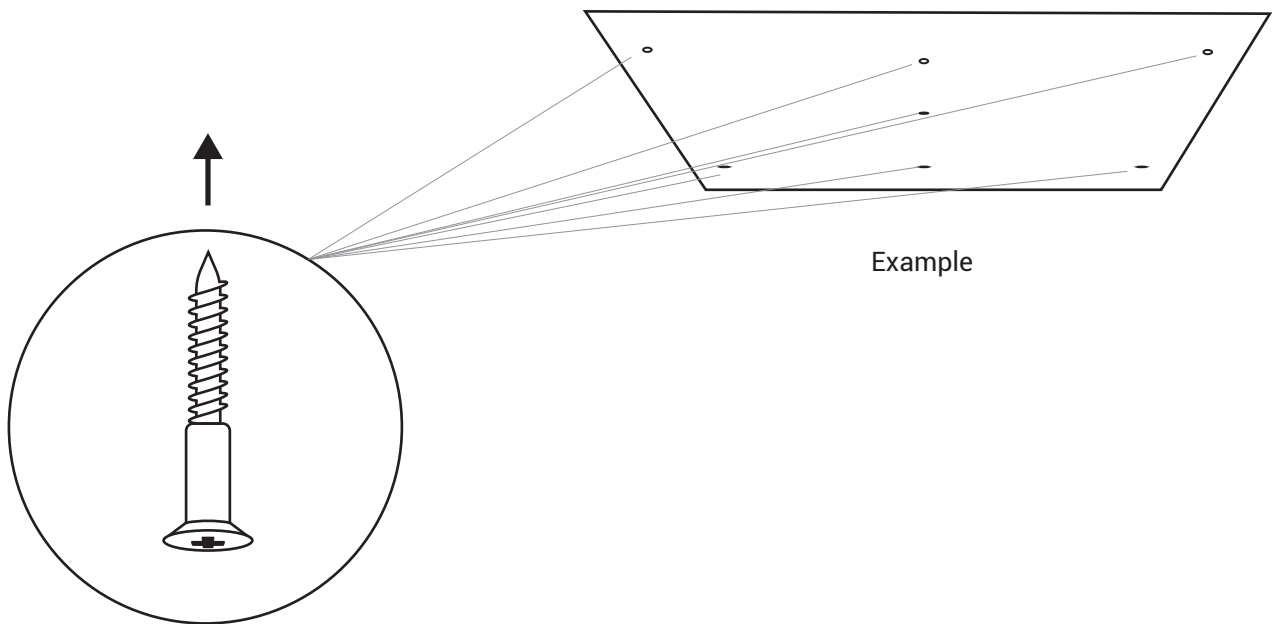
* All holes diameter 0.25"



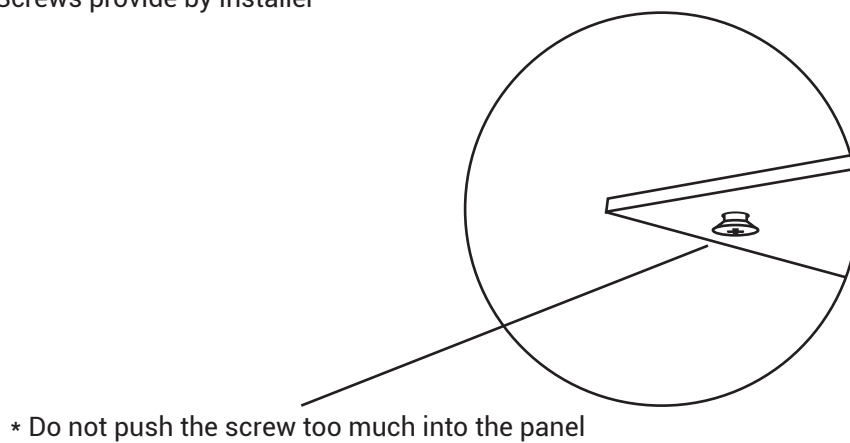
4' X 4'

2' X 4'

2 Directly screw the panel to the ceiling.



* Screws provide by installer



* Do not push the screw too much into the panel