



# IP-22SYSP

INDOOR 2' X 2' SUSPENDED CEILING MOUNT SPEAKER SYSTEM \*

## TECHNICAL DATA SHEET



\* Analog Extension Speaker System comes Pre-Assembled with 8" Coaxial Speaker, Grill, Baffle and Enclosure.

### PRODUCT SUMMARY

The IP-22SYSP is an installer friendly 2' x 2' suspended ceiling mount pre-assembled analog extension speaker system designed to be used with AtlasIED IPX audio or visual IP endpoints. The IP-22SYSP is the perfect companion product to expand announcement and background music coverage in large spaces where network wide communication is required.

With the same cosmetic design as the popular IP-22SYSM, mixed audio endpoints of the IP-22SYSP analog extension speaker and IP-22SYSM IP endpoints are now visually seamless.

Specifically designed as an accessory to the existing AtlasIED IPX audio and visual IP endpoint products. The IP-22SYSP is designed as an 8Ω only speaker so that audio content routing and its volume levels can be configured using the Graphical User Interface (GUI) of the connected AtlasIED IPX audio IP endpoint.

### KEY FEATURES

- All in One, Pre-Assembled unit Drops into Ceiling Grids
- Attractive White Fully Perforated Grill to Blend in with Most Acoustic Ceiling Tiles
- Highly Efficient 8" (203mm) Coaxial loudspeaker
- Wide Frequency Response of 70Hz–15.5kHz (±5dB) is Perfect for Speech and General Messaging Playback
- Durable metal Enclosure and baffle
- IP-22SYSM matching Cosmetics
- Integral E.O. box for cable termination
- UL1480A / UL2043

### APPLICATIONS

The IP-22SYSP is designed to connect and use the secondary speaker output on a AtlasIED IPX audio or visual IP endpoint that is registered as a communication endpoint directly within InformaCast, GCK, or Revolution advanced notification applications, so that the IP-22SYSP receives the same audio broadcast and provides volume levels needed to enhance physical security, day-to-day communications through advanced alerting, bell schedules, pre-recorded & scheduled announcements, in large spaces while still leveraging the WAN or LAN network architecture.

The IP-22SYSP is a great option for but is not limited to school, corporate, governmental, house of worship, and light commercial installations.

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### AUDIO SPECIFICATIONS / PERFORMANCE

ACOUSTIC SPECIFICATIONS	
Frequency Response (-10dB)	110Hz - 6kHz
Sensitivity (1W/1m Half Space)	95dB SPL
Maximum SPL @ 1m	105dB SPL Calculated
Dispersion Angle (Vertical)	100°
Dispersion Angle (Horizontal)	120°

MECHANICAL SPECIFICATIONS	
Grill Material	STL 0.8mm PERF --> PERF pattern = 1.60MM X 3.4MM Pitch
Grill Color	RAL9016 ATLAS WHITE
Baffle Material	1MM CRS
Backcan Material	RAL 9017 TRAFFIC BLACK, IED BLACK
Connector Type	22 GA. DQSK BARE WIRE LEADS
Product Dimensions (H x w x D)	5.01" x 23.69" x 24.10"
Product Weight - lbs	14.15 lbs
Shipping Dimensions (H x W x D)	28.25" x 28.25" x 8.5"
Shipping Weight - lbs	21.65 lbs

AGENCY APPROVALS	
UL 2043	Yes
UL 1480A	Yes
Warranty Coverage	
Warranty Period	5 Year

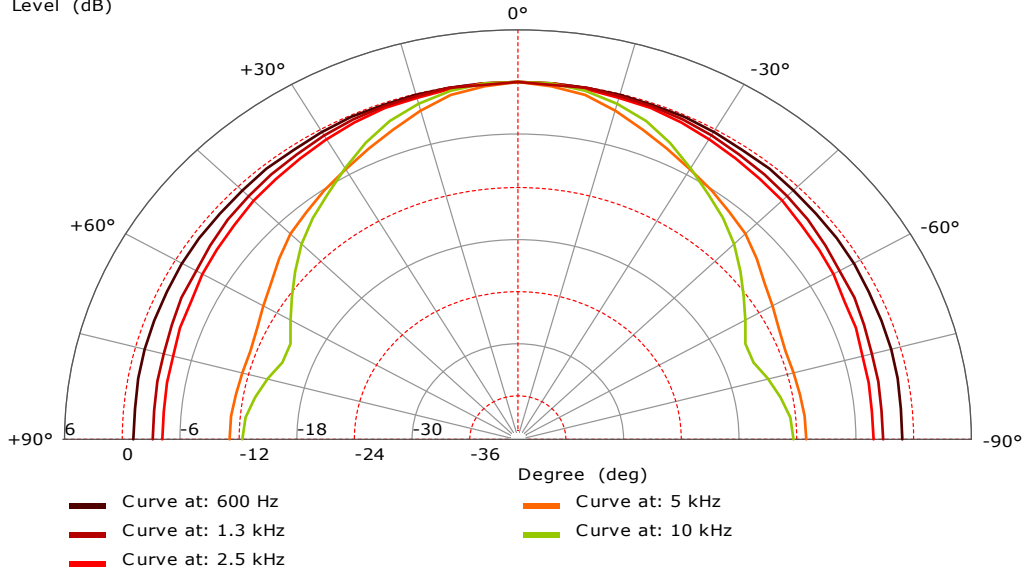
# IP-22SYSP

## INDOOR 2' X 2' SUSPENDED CEILING MOUNT SPEAKER SYSTEM

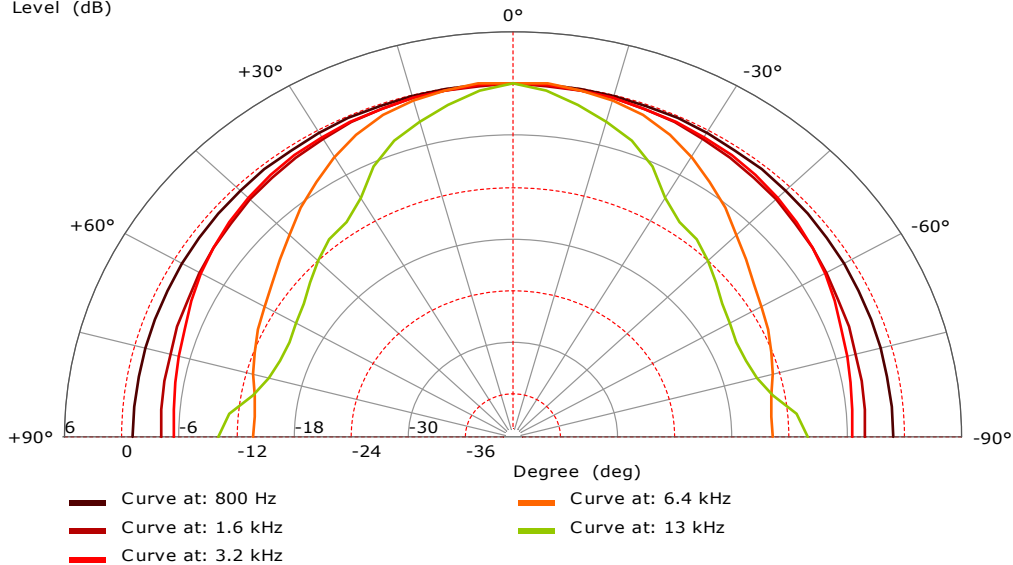
### TECHNICAL DATA SHEET



Normalized to OnAxis Polars 600Hz Octaves  
Level (dB)



Normalized to OnAxis Polars 800Hz Octaves  
Level (dB)



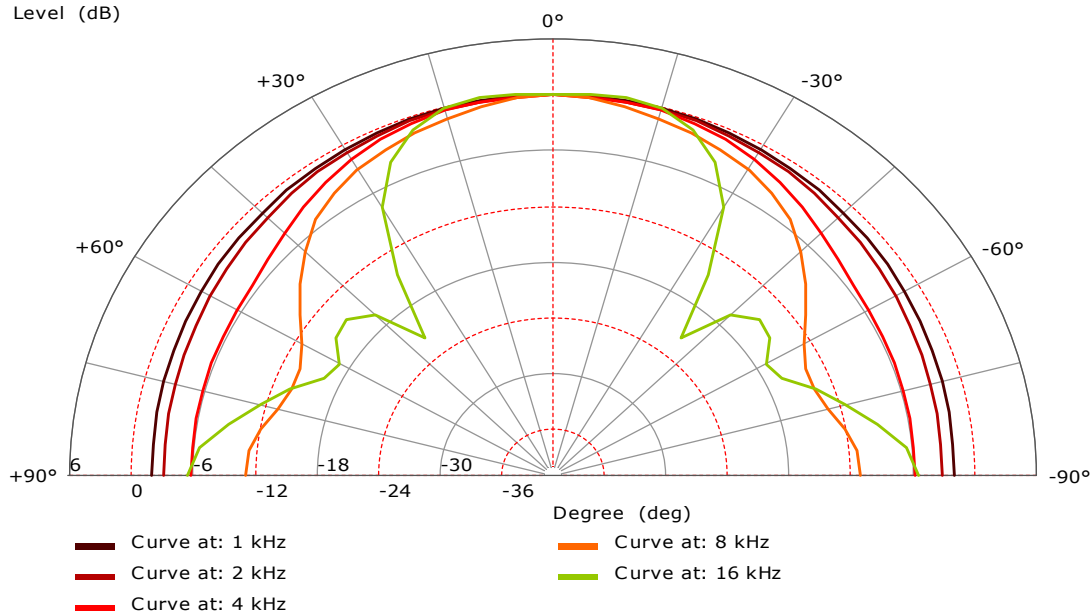
# IP-22SYSP

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### TECHNICAL DATA SHEET



Normalized to OnAxis Polars 1kHz Octaves  
Level (dB)



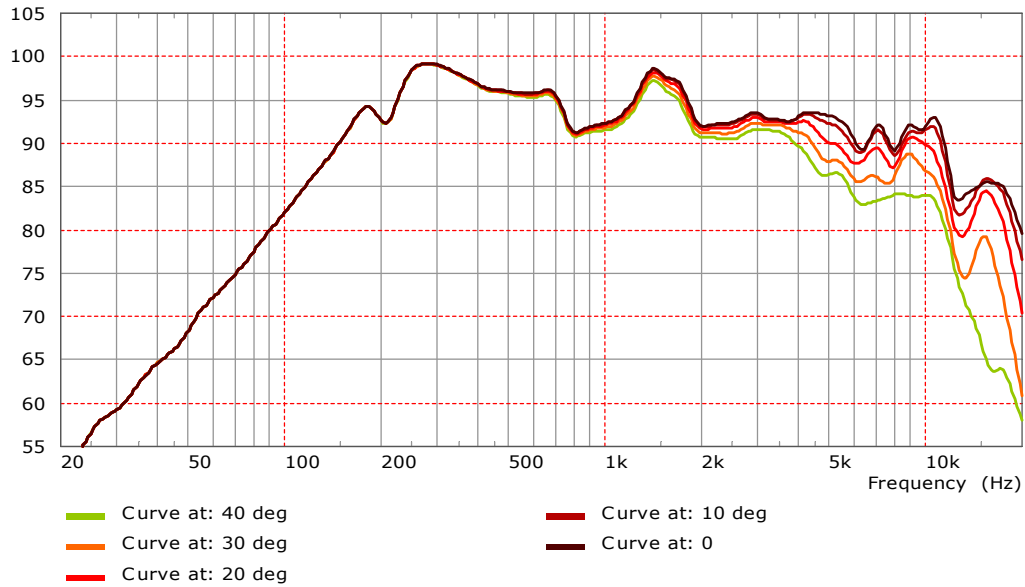
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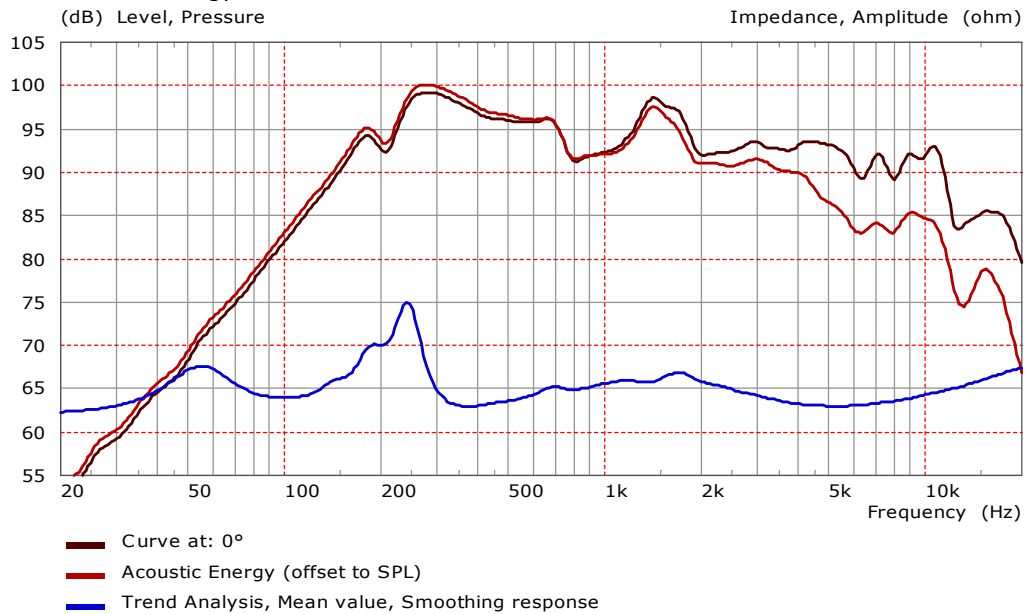
### TECHNICAL DATA SHEET



Frequency Response  
(dB) Level, Sound pressure



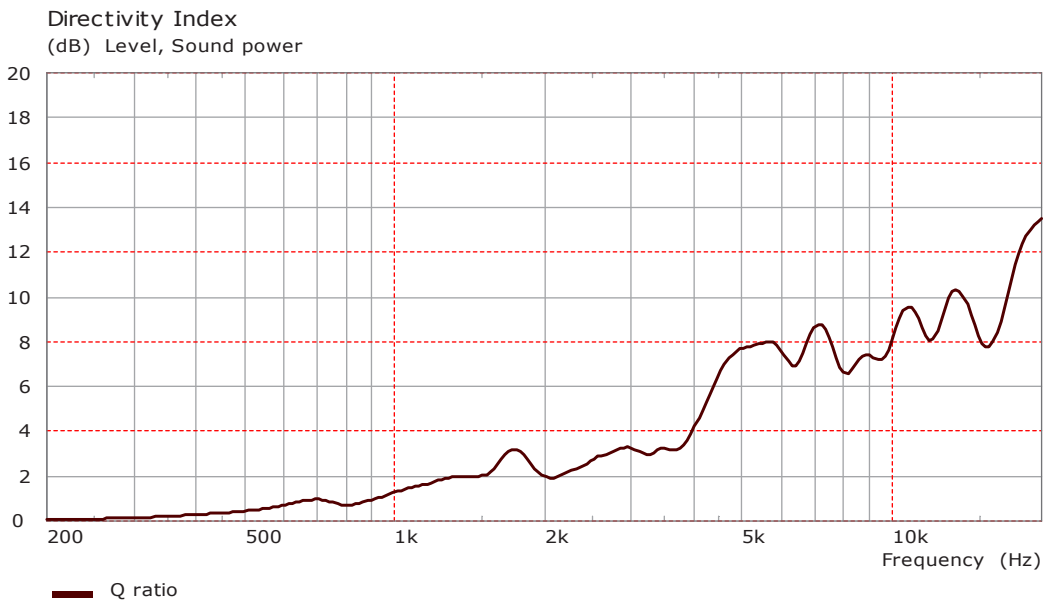
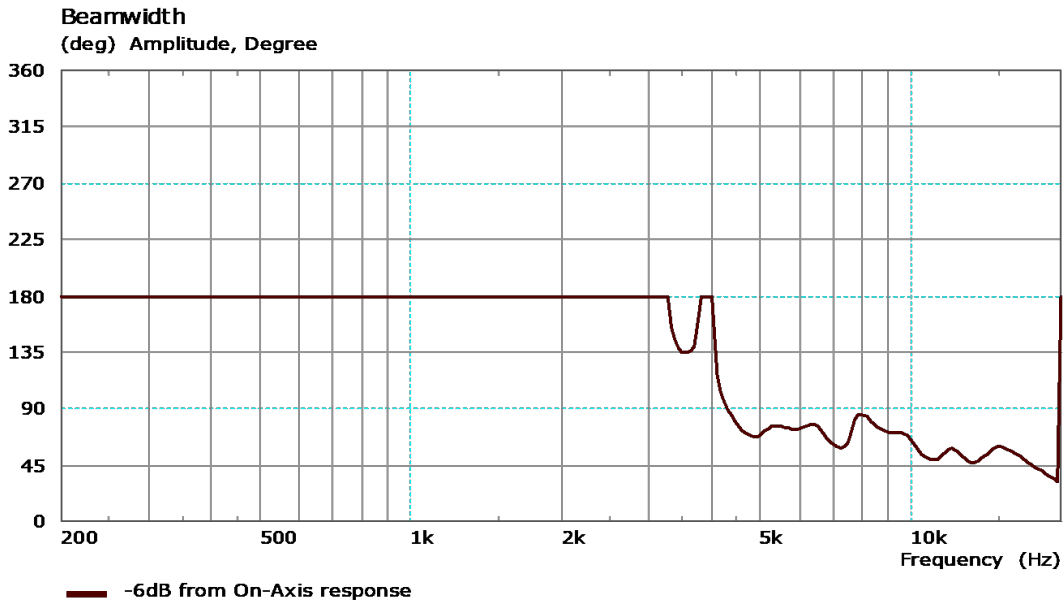
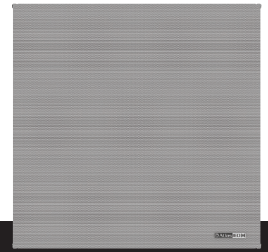
SPL and Energy  
(dB) Level, Pressure



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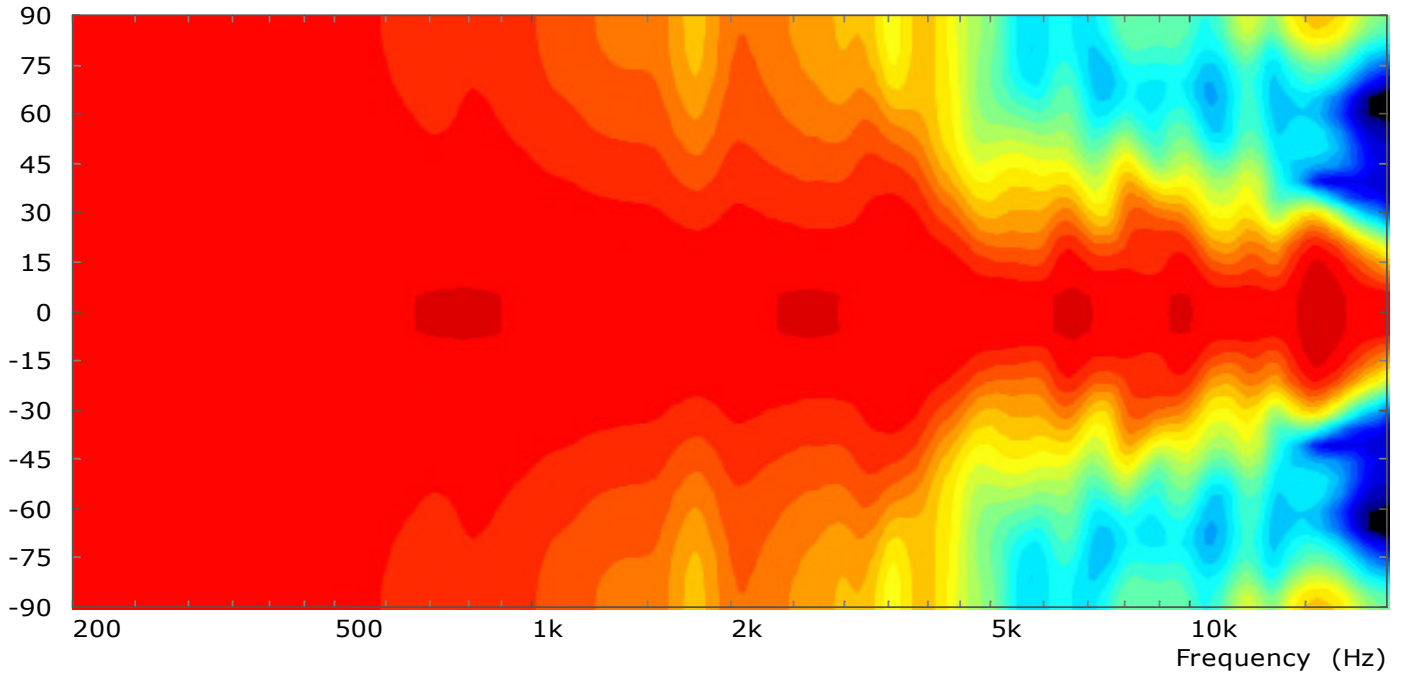
INDOOR 2' X 2' SUSPENDED CEILING MOUNT SPEAKER SYSTEM



## TECHNICAL DATA SHEET

Contour Plot  
(deg) Axial angle

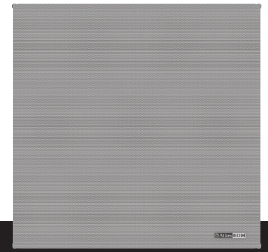
Level (dB)



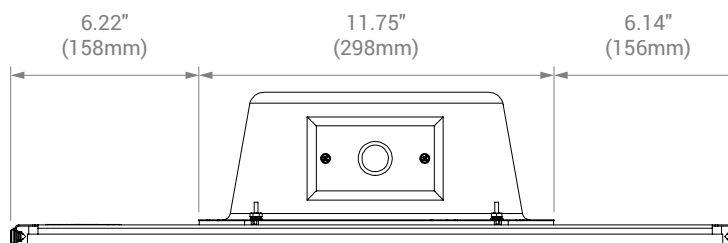
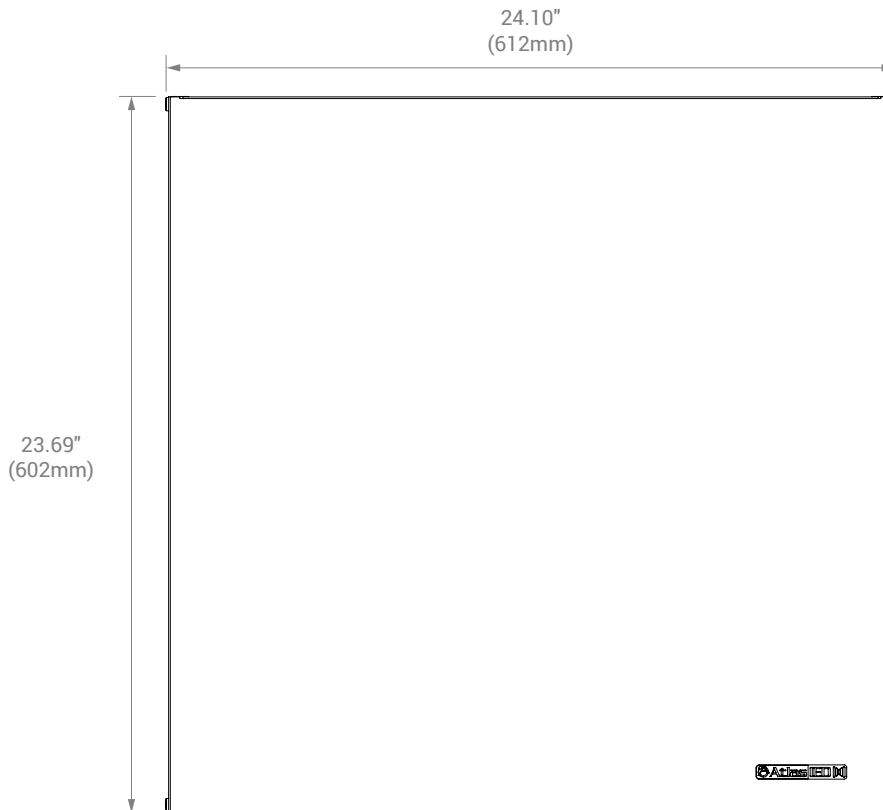
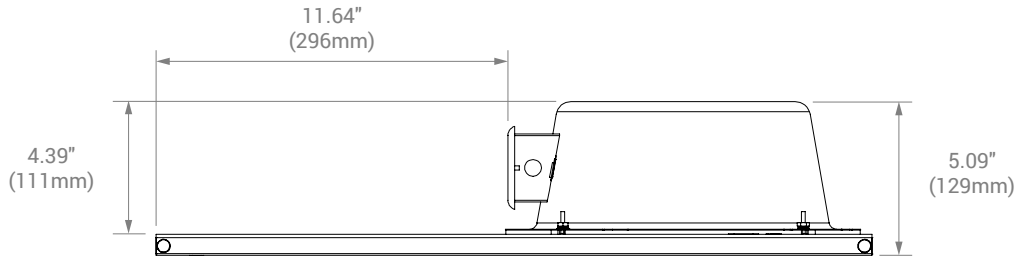
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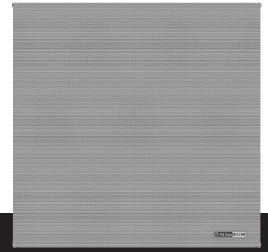
### DIMENSIONAL DRAWING



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#### ARCHITECT AND ENGINEER SPECS

The unit shall be AtlasIED model IP-22SYSP. The 2' x 2' suspended tile analog extension speaker system shall include factory assembled 8" coaxial speaker, fully perforated grill, metal baffle, and metal backcan.

The speaker shall be an 8" coaxial driver with both a woofer and tweeter. The woofer cone shall be a full 8" (203mm) in diameter and the tweeter cone shall be 3" (76mm) in diameter. The woofer shall have a 10oz. (260g) ceramic magnet; the tweeter shall have a 2.35oz. (67g) ceramic magnet. The two reproducer sections shall be coupled through a built-in crossover network.

The crossover frequency shall be set at 2800Hz. The speaker dispersion shall be 105° and the frequency response range shall be 70Hz – 15.5kHz, (±5dB). Sensitivity shall be 98dB at 1-Watt/1 meter. Voice coil impedance shall be 8Ω. Woofer voice coil diameter shall be 1" (25mm) and operate in a magnet field of at least 10,600 gauss. The maximum depth of the speaker shall not exceed 27/8" (73mm).

All control functionality shall be determined by connected AtlasIED IPX IP audio and visual IP endpoint Graphical User Interface (GUI).

The unit shall be certified to both UL 2043 and UL 1480A standards.