

# TOWER LCC84

## CARDIOID COLUMN LINE ARRAY



### FEATURES

- Clarity Technology©
- Freestanding, Wall, or Array Deployment
- Cardioid Directivity / Rear-Cancellation
- Compact Build
- High SPL
- IP55 + Salt Water Resistant

### APPLICATIONS

- Restaurants
- Lounges
- Houses of Worship
- Theaters
- Entertainment Venues
- Outdoor Systems

### DESCRIPTION

Tower LCC84 is a cardioid line array element designed to be compact, high powered and array-able. The enclosure features Clarity Technology©, a proprietary high frequency technology built around eight coaxial transducers each composed of a 4" cone driver and a compression driver. It provides 120° horizontal coverage on axis. Six additional rear 4" full-range transducers allow the unit to provide a cardioid diffusion pattern with -20 dB rear attenuation.

The Towers can be deployed independently or combined using the proprietary Tower Rigging System to create long column arrays. Each LCC84 unit requires two amplifier channels operating with a dedicated DSP preset in order to achieve the cardioid dispersion pattern.

### SPECIFICATIONS

#### Audio Specifications

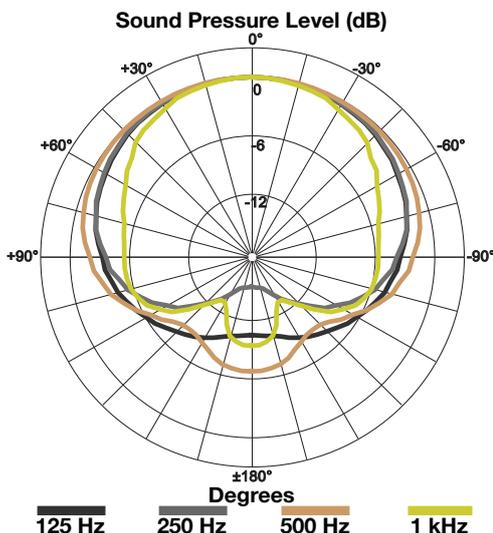
- Description:** Cardioid line array column featuring Clarity Technology© high frequency
- Bandwidth:** 105 Hz - 18 kHz (-6 dB)
- Max SPL:** 127 dB SPL @ 1 m w/ preset (1 speaker)
- Power:** 1600 watts front + 800 watts rear (program), 800 watts + 400 watts (AES)
- Directivity:** 120° horizontal, 5° top and bottom
- Elements:** (8) 4" coaxial each with a 1.4" compression driver, (6) 4" rear-facing full range
- Impedance:** 8 Ω front speakers, 12 Ω rear speakers
- Connectors:** (4) NL4, 1+1- front, 2+2- rear, each allowing for audio inputs and linking, (3) Neutrik NDL dummyPLUGs

#### Mechanical Specifications

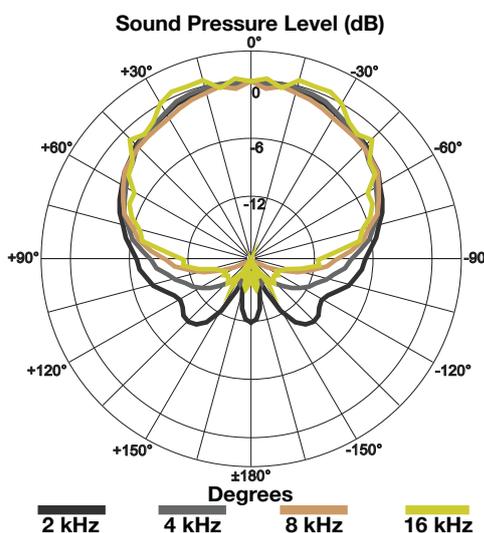
- IP Rating:** IP55 indoor/outdoor and salt water resistant
- Rigging:** Proprietary rigging elements and fly bars -3°, 0°, +3°, +6°, +9°; (14) available M6 points
- Weight:** 43 lbs / 19.5 kg
- Construction:** Finland birch plywood (urea glue), structural stainless steel interior, polyurea, matte salt and UV resistant coating, 316 stainless steel hardware, 3D spacer mesh fabric
- Dimensions:** 36.8" (934 mm) x 6.3" (160 mm) x 9.5" (240 mm)
- Colors:** Stocking black and white, custom colors and fabrics available
- Accessories:** LCC44 Wall Bracket, Tower Tube Mount, Tower Rigging System, Fly Bar (Long & Short), Active Speaker Tubes (37.4", 57")

### DIRECTIVITY

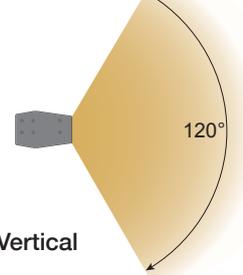
Horizontal Polar Plot LF



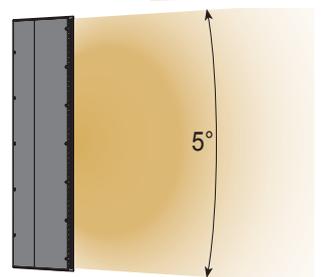
Horizontal Polar Plot HF



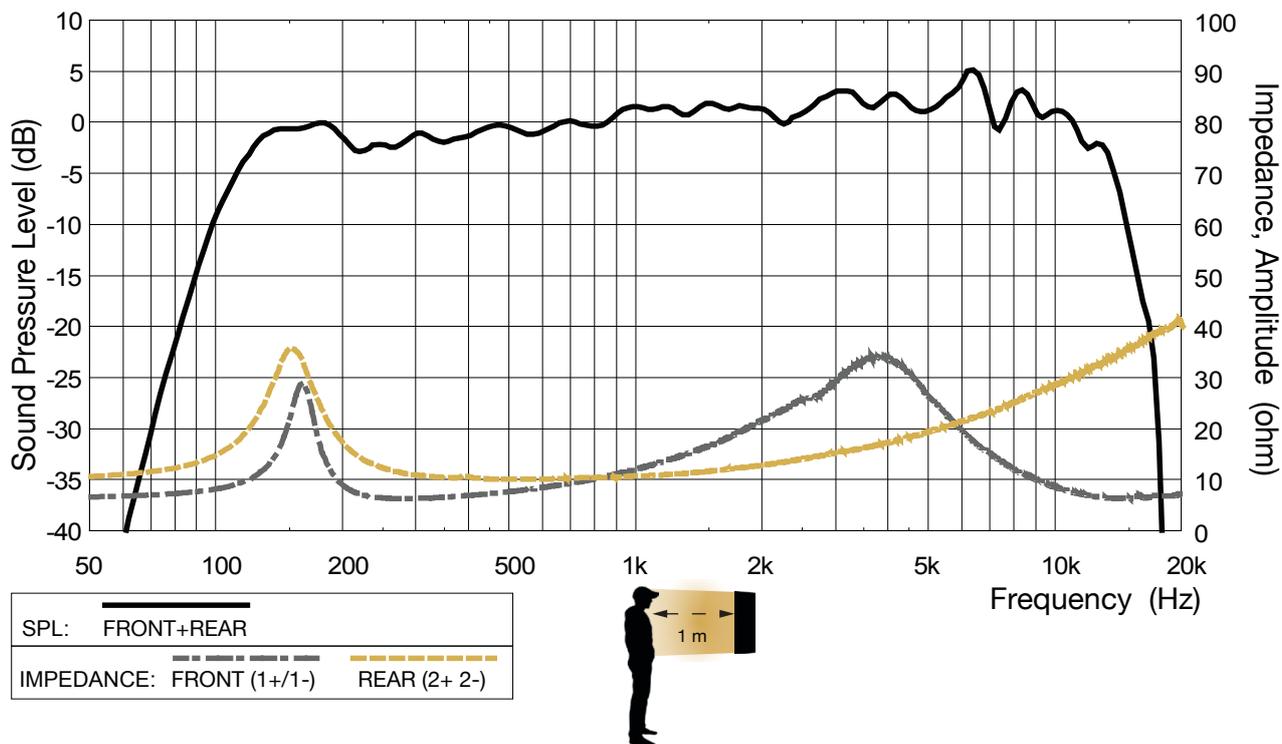
Horizontal



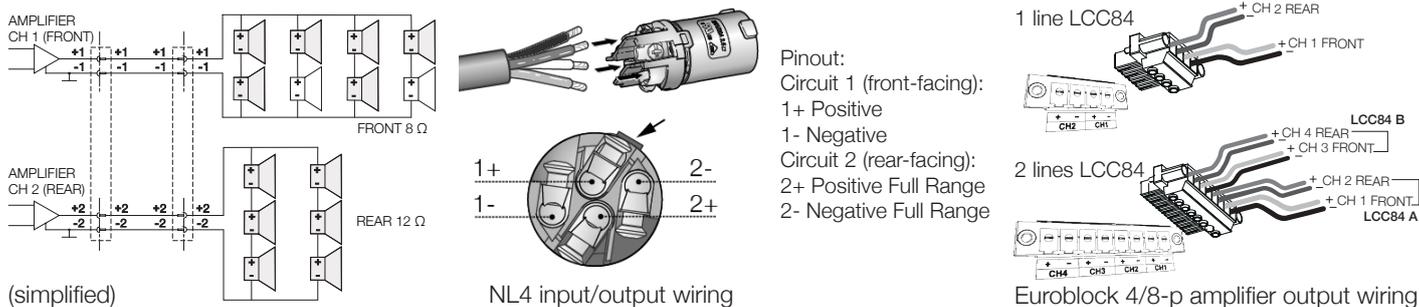
Vertical



FREQUENCY RESPONSE

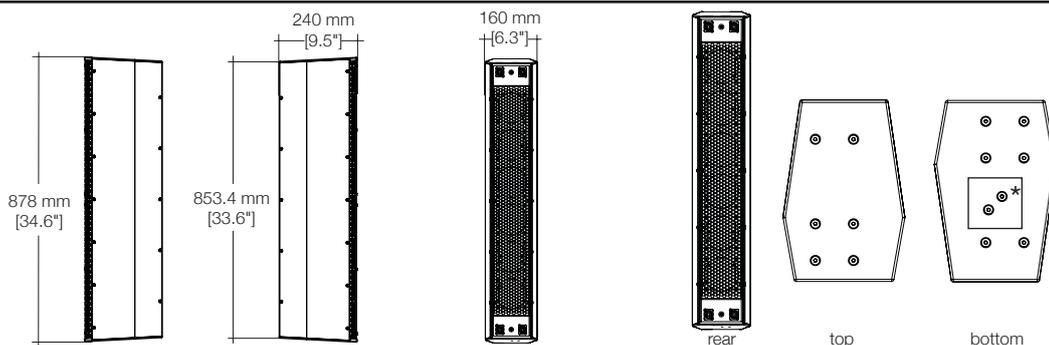


WIRING



DIMENSIONS

RIGGING



- (14) points M6**  
**(2) points M8**
- Rear: (2) M8 screws - Tower Wall Bracket
  - Top: (6) points - Tower Rigging System
  - Bottom: (6) points - Tower Rigging System
  - \*Bottom (2) points - Tower Tube Mount

ACCESSORIES



Contact

For more product or service information please contact the 1 SOUND headquarters.

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Warranty

All manufactured 1 SOUND products are warranted to be free from defects in materials or workmanship for a period of 3 years from original purchase. If there is specific hardware or grilles you might want replaced or any repairs needed please contact your region's authorized 1 SOUND distributor.

