FEATURES

• High-flux, linear neodymium motor with demodulation ring for very low distortion
• Matched-size enclosure and aligned suspension point for seamless integration in low profile arrays with IP8-0002, IS8-115 and IS8-118 subwoofers
• Integrates into larger arrays to enhance LF pattern control and steering
• Innovative low profile modular bracket systems create elegant arrays with simplified installation

TECHNICAL SPECIFICATIONS

Operating Mode Single Amp
Operating Environment Indoor or Weather-Resistant Outdoor
Operating Range LF – 1 x 15” (381mm) neodymium motor woofer, 3” (76mm) voice coil, demodulation ring
Transducers
Continuous Power Handling @ Nominal Impedance LF @ 1W 96 dB @ 2.83V 96 dB
Nominal Sensitivity LF @ 1W 96 dB @ 2.83V 96 dB
Nominal Maximum SPL LF Peak 130 dB Continuous 124 dB
Equalized Sensitivity LF @ 1W 95 dB @ 2.83V 95 dB
Equalized Maximum SPL LF Peak 129 dB Continuous 123 dB
Recommended Amplifiers Single Amp 600W - 1200W @ 8 ohms, (69V - 98V)

APPLICATIONS

MAIN PA (Small to Medium Size Venues)
Houses of Worship · Auditoriums · Restaurants · Meeting Rooms · Theaters · Corporate A/V Systems
DISTRIBUTED OR FILL (Larger Size Venues)
Arenas · Stadiums · Night Clubs · Theaters · Themed Entertainment · Larger Houses of Worship

DESCRIPTION

I SERIES Point Source 800 loudspeakers provide exemplary acoustic performance, modular flexibility and elegant aesthetics for modern performance venues. Designed to support the goals of systems integrators and consultants both acoustically and mechanically, I SERIES includes a wide variety of arrayable, rotatable coverage patterns and a comprehensive selection of modular bracket systems that accelerate system design and system commissioning. An FEA-optimized linear suspension, high-flux neodymium motor, and integral demodulation ring ensures precise control and very low distortion at high SPL levels. The custom long-exursion LF driver delivers deep bass response and a balanced midrange in the most demanding applications. The 15-inch (381mm) LF driver is housed in a trapezoidal enclosure with the same vertical dimensions as the IP8-0002 MF/HF loudspeaker as well as the IS8-115 and IS8-118 Subwoofers. The system has been engineered to allow designers to develop very low profile three-way and four-way systems using the same modular bracket systems as the full height loudspeakers. Additionally, the IP8-1151 can be used within full size I SERIES arrays to enhance LF pattern control and steering capabilities when flown above, below, beside or behind an existing I SERIES array.
**AXIAL PROCESSED RESPONSE (dB)**

![Graph showing axial processed response in dB.](image)

**AXIAL SENSITIVITY (dB SPL)**

![Graph showing axial sensitivity in dB SPL.](image)

**IMPEDEANCE (Ohms)**

![Graph showing impedance in Ohms.](image)

Min Impedance (LF) 6.8 ohms @ 40 Hz
TECHNICAL DRAWING / DIMENSIONS / FINISH

I SERIES IP8-1151
HIGH POWER LOW FREQUENCY INSTALLATION LOUDSPEAKER

**Indoor Models:**
- **Grille:** Powder-coated perforated steel backed with color-matched acoustically transparent woven fabric.
- **Enclosure / Finish:** Black (RAL9005) or White (RAL9003)

**Outdoor Models:**
- **Grille:** Marine grade aluminum with zinc-rich dual-layer grey powder-coat, featuring hydrophobic treatment of acoustically transparent woven black fabric backing.
- **Enclosure / Finish:** 15mm PolyGlas, Grey (RAL7038), heavily textured industrial-grade exterior-rated coating. Black, White or Custom colors upon request.

**NOTES:**
1. SYMBOL ▶ INDICATES COG.
2. SYMBOL ◀ INDICATES MOUNTING POINT, M10 THREADED HOLE.

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**Dimensions:**

- **H x W x D:** 19.80" x 22.10" x 26.30" (503 x 561 x 668 mm)
- **Unit Weight:** 54 lbs (24.5 kg) loudspeaker only
- **Shipping Weight:** 67 lbs (32.4 kg)

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**Specifications:**

- **IP8-1151-2D:
  - **Dimensions:** H x W x D: 19.80" x 22.10" x 26.30" (503 x 561 x 668 mm)
  - **Unit Weight:** 54 lbs (24.5 kg) loudspeaker only
  - **Shipping Weight:** 67 lbs (32.4 kg)
  - **Finish:** Black (RAL9005) or White (RAL9003)
  - **Enclosure Material:** Black (RAL9005) or White (RAL9003) low gloss, uniformly textured painted 15mm Baltic Birch plywood.
  - **重量：** LOUDSPEAKER ONLY: 54LBS. (24.5KG)
  - **Shipping Weight:** 67 lbs (32.4 kg)

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**Notes:**

- The outdoor model drawing is available at communitypro.com - Input panel and mounting point locations and the unit weight may vary from indoor model (shown).

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**Community Professional Loudspeakers**
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www.communitypro.com
I SERIES
Point Source 800
IP8-1151
HIGH POWER LOW FREQUENCY INSTALLATION LOUDSPEAKER

NOTES

1. PERFORMANCE SPECIFICATIONS: All measurements are taken indoor using a time-windowed and processed to eliminate room effects, approximating an anechoic environment, a distance of 6.0 m. All acoustic specifications are rounded to the nearest whole number. An external DSP with settings provided by Community Professional Loudspeakers is required to achieve the specified performance; further performance gains can be realized using Community’s dSPEC226 loudspeaker processor with FIR power response optimization.

2. OPERATING RANGE: The frequency range in which the axial processed response remains within 10dB of the average SPL.

3. CONTINUOUS POWER HANDLING: Maximum continuous input voltage (and the equivalent power rating, in watts, at the stated nominal impedance) that the system can withstand without damage, for a period of 2 hours using an EIA-426-B defined spectrum, with recommended signal processing and protection filters.

4. NOMINAL SENSITIVITY: Averaged SPL over the operating range with an input voltage that would produce 1 Watt at the nominal impedance and the averaged SPL over the operating range with an input voltage of 2.83 Volts, respectively, swept sine wave axial measurements with no external processing applied in whole space, except where indicated.

5. NOMINAL MAXIMUM SPL: Calculated based on nominal / peak power handling, respectively, and nominal sensitivity, exclusive of power compression.

6. EQUALIZED SENSITIVITY: The respective SPL levels produced when an EIA-426-B signal is applied to an equalized loudspeaker system at a level which produces a total power of 1 Watt, in sum, to the loudspeaker subsections and at a level which produces a total voltage, in sum, of 2.83 volts to the loudspeaker subsections, respectively, each referenced to a distance of 1 meter.

7. EQUALIZED MAXIMUM SPL: The SPL produced when an EIA-426-B signal is applied to an equalized loudspeaker system, at a level which drives at least one subsection to its rated continuous input voltage limit, referenced to a distance of 1 meter. The peak SPL represents the 2.1 (6dB) crest factor of the EIA-426-B test signal.

8. AXIAL PROCESSED RESPONSE: The axial magnitude response of the complete loudspeaker system and each pass band capable of being driven by an independent amplification channel with recommended signal processing applied. 1/6 octave smoothing applied.

9. AXIAL SENSITIVITY: The SPL plotted against frequency, in all operating modes and for each pass band capable of being driven by an independent amplification channel, for a 1 Watt swept sine wave, referenced to 1 meter with no signal processing. 1/6 octave smoothing applied.

Data presented on this spec sheet represents a selection of the basic performance specifications for the model. These specifications are intended to allow the user to perform a fair, straightforward evaluation and comparison with other loudspeaker spec sheets. For a detailed analysis of this loudspeaker’s performance, please download the GLL file and/or the CLF file from our website: communitypro.com.

CAUTION: Installation of loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve the mounting design.