# DX-IC4LP

**TWO-WAY 4.5″ LOW PROFILE HIGH EFFICIENCY CEILING MOUNT LOUDSPEAKER**

## FEATURES

- High intelligibility with exceptional uniform coverage
- Fast installation with SpringLock™ mounting clamps
- Consistent, wide dispersion up to 16 kHz
- Shallow depth to fit into confined ceiling spaces
- Conduit knock-outs on the input cover meet plenum air space handling requirements

## TECHNICAL SPECIFICATIONS[1]

| | | |
|---|---|---|
| **Operating Mode** | Passive with DSP | |
| **Operating Environment** | Indoor | |
| **Operating Range (-10dB)[2]** | 90 Hz to 18.5 kHz | |
| **Nominal Beamwidth  (H x V)** | 130°, conical | |
| **Transducers** | LF 1 x 4.5″ (114 mm) HF 1 x 0.75″ (19 mm) exit compression driver | |
| **Sensitivity[3]** | 92 dB (2.83 V) | 92 dB (1W at rated impedance 8 Ω) |
| **Nominal Continuous Power Handling[4]** | Passive | 22 V (60W @ 8 Ω) |
| **Nominal Maximum SPL[5]** | Passive | **Peak** 116 dB  **Continuous** 110 dB |
| **Autoformer** | **70V**: 30 W, 15 W, 7.5 W, 3.75 W;  **100V**: 30 W, 15 W, 7.5 W | |
| **Recommended Amplifiers** | Passive | 60W - 120W @ 8 Ω,  (22V - 31V) |
| **Crossover Frequency** | 2 kHz | |
| **Required Accessory** | 90 Hz Electronic high pass filter | |

## PHYSICAL

| | |
|---|---|
| **Input Connection** | 4-position Euroblock connector |
| **Controls** | Front-face wattage / low impedance selector switch |
| **Mounting Provisions** | 2 SpringLock mounting clamps with 3-inch grip range |
| **Certifications** | ETL listed to comply with UL1480, UL2043 and CSA62368-1 Suitable for use in air handling spaces per NFPA 70 and NFPA 90 |
| **Dimensions  W x D** | 258 mm x 97 mm   (10.16 x 3.81″) |
| **Weight** | TBD |
| **Finish** | Refer to the Technical Drawing (page 2) |
| **Accessories (included)** | C-Ring supporting plate, tile support bridge rails, grille, paint mask, cut-out template, flat screwdriver |
| **Model** | **DX-IC4LP-W** - loudspeaker with White grille |

## OPTIONS

| | |
|---|---|
| **Accessories** | New Construction Brackets (SPA-NC300) Trim Rings (SPA-TR300) Black Grilles (SPA-GRB200) High Humidity Grilles (SPA-GHH200) 48″ Tile Rails (SPA-RAIL48) Plenum-rated Dual-RJ45 Adapter (SPA-CCA200) |

## APPLICATIONS

Conference Rooms · Houses of Worship
Theaters · Sports Facilities · Health Clubs
Convention Centers · Auditoriums
Malls · Airports

## DESCRIPTION

Only 3.4″ (86 mm) in depth, the DX-IC4LP solves space problems that competing products cannot. Suitable for paging, background music, or to augment larger systems, the DX-IC4LP is a versatile performer. It installs quickly and provides exceptionally uniform coverage with excellent sonic properties.

Uniform voicing among the Desono DX product family makes for an easy match to the other models in the series, while a host of design innovations set the DX family of loudspeakers apart from other products in its size and price range. Featuring genuine coaxial design with separate magnets for the LF and HF drivers, the DX-IC4LP exhibits reduced distortion and industry-leading sensitivity permitting 3 dB to 6 dB greater output level, while requiring half the amplification power of competing products.

Patent-pending SpringLock™ clamps allow single-handed placement to speed installation and reduce labor time. The SpringLock spring-loaded clamps support the back can on the included tile rails and snap-on C-ring, so that the installer no longer needs to hold the can against the tile while tightening the clamps.

The front-face wattage selector switch enables quick adjustment of 70V/100V tap levels. A variety of installation accessories are available to accommodate different ceiling materials. Typical applications include paging, background music, and to augment larger models in many venues.

*Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.*

# DESONO™

# DX-IC4LP
### TWO-WAY 4.5" LOW PROFILE HIGH EFFICIENCY CEILING MOUNT LOUDSPEAKER

## TECHNICAL DRAWING / DIMENSIONS / FINISH

**W (bezel diameter) x D**
258 mm x 97 mm
(10.16" x 3.81")

**Cutout DIameter**
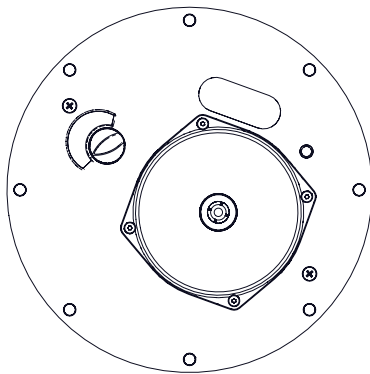222 mm (8.75")

**Unit Weight**
TBD

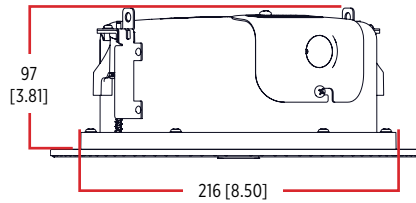**Shipping Weight**
TBD (shipped in pairs)

**Grille:**
Powder-coated perforated steel backed with color-matched woven fabric with safety line. White finish.

**Enclosure / Finish**
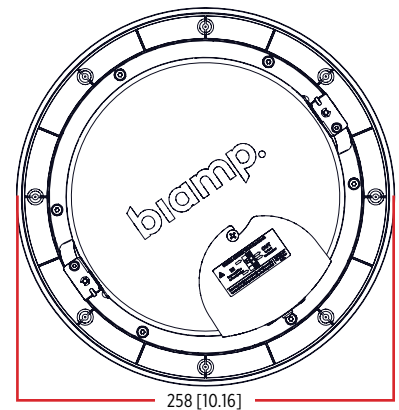Back Can: Black, Matte finish Steel
Face: Reflex loaded UL 94V-0 rated ABS plastic, paintable Black finish.



Front (no grille)

Side

Top

## NOTES

1. **TECHNICAL SPECIFICATIONS** *All measurements are taken indoor using a time- windowed and processed signal to eliminate room effects, approximating an anechoic environment at a distance of at least 6.0 m. All acoustic specifications are rounded to the nearest whole number. An external DSP using settings provided by Biamp is required to achieve the specified performance; further performance gains can be realized using the FIR loudspeaker optimization presets available in Biamp's Amplified Loudspeaker Controllers (ALCs).*

2. *OPERATING RANGE   The frequency range over which the on-axis processed response remains within 10 dB of the average SPL.*

3. *SENSITIVITY   The broadband SPL of the loudspeaker when pink noise is applied (band limited to the loudspeaker's Operating Range) at an input voltage of 2.83 V, in accordance with IEC 60268-5.  Also listed for a voltage that would produce 1 watt into the nominal impedance.  Measured in whole space with no external processing applied, except where indicated.*

4. *CONTINUOUS POWER HANDLING   The maximum continuous input voltage at the stated nominal impedance that the system can withstand, without damage, for a period of 2 hours using an IEC 602688-5 defined spectrum with recommended signal processing and protection filters.*

5. *NOMINAL MAXIMUM SPL   The SPL produced when an IEC 60268-5 signal is applied to the 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 (6 dB) crest factor of the IEC 60268-5 test signal.*