**LCS8T**

**PCS8T**

### FEATURES
- Stylish Grilles with Reduced Hardware
- Choose Heavy-gauge Steel or Molded ABS Baffle
- Twin-Cone Speaker for Good High-Frequency Dispersion
- Dual 70.7/25-volt Xfrmr with Spade-lug Taps for Fast/Convenient Changes

### DESCRIPTION

The Penton Audio LCS8T and PCS8T are twin-cone, 8”, 10-watt, full-range speaker packages shipped with an attached grille and premounted 70.7/25-volt transformer.

Made of high-strength ABS, the PCS has the most eye appeal of any molded grille on the market and has a moisture-resistant cone. Visually identical, the LCS features a premium, heavy-gauge steel grille with metal studs that shows only 4 visible surface screwheads. Both models are finished in non-reflecting ceiling white.

Both offer long-term reliability and even coverage for distributed audio. Each installs easily using the BBX8B steel backbox and BRG88 tile bridge. The LCS8T and PCS8T models are shipped with four white, 1-1/2” Phillips-head screws.

### APPLICATION

The multi-function LCS8T and PCS8T are perfect for value-conscious audio project requirements. Since the PCS grille is made of molded ABS, it is well suited for moist outdoor environments, whereas the steel LCS grille is the choice for indoors.

Both are equally effective for voice transmission, music and signal reproduction in commercial, industrial and institutional applications. Applications include ceiling installation in offices, banks, schools, restaurants, hotel/motels and wherever precise transmission of audio is required.

### SPECIFICATIONS

- **CONE SPEAKER SIZE:** 8” (203 mm)
- **FREQUENCY RESPONSE (See Fig 1):** 60-20,000 Hz ± 6 dB
- **POWER HANDLING (Raw Driver):** 10 watts
- **SPL @ 1w 1m:** 95 dB
- **DISPERSION @ 2kHz (6 dB Down):** 110°
- **DIRECTIVITY Q FACTOR @ 2 kHz:** 6.90
- **CONE DESIGN:** Twin Cone
- **CONE MATERIAL**
  - LCS8T: Paper
  - PCS8T: Treated Paper
- **MAGNET WEIGHT:** 5.34 oz
- **TRANSFORMER MAX INSERTION LOSS:** 1.5 dB
- **TRANSFORMER TAP CHANGE:** Movable Spade-lug
- **CONNECTION:** Via Wire Nuts
- **APPROVALS:** CE
- **70.7-VOLT TRANSFORMER TAPS:**
  - 5, 2, 1, 0.5, 0.25
- **70.7-VOLT TRANSFORMER IMPEDANCE:**
  - 1K, 2.5K, 5K, 10K, 20K
- **25-VOLT TRANSFORMER TAPS:**
  - 5, 2, 1, 0.625, 0.25
- **25-VOLT TRANSFORMER IMPEDANCE:**
  - 125, 312, 625, 1K, 2.5K
- **SUPPLIED MOUNTING ACCESSORIES:**
  - 4 ea. 1-1/2” Phillips-head Screws
- **BAFFLE MATERIAL**
  - LCS8T: Steel
  - PCS8T: Molded ABS with Molded-in UV Inhibitor
- **FINISH**
  - LCS8T: Non-reflective White Powder-Coated Epoxy Paint
  - PCS8T: Non-reflective White
- **SUGGESTED MOUNTING ACCESSORIES:**
  - BBX8B  Steel Backbox
  - BRG88  Tile Bridge
  - MBK8  Mounting Bracket
- **DIMENSIONS, INCH (MM):**
  - 12.60 x 3.15 (321 x 80)
- **NET WEIGHT LBS (KGS):**
  - 2.58 (1.17)
Unit shall be Penton Audio USA Model (LCS8T/PCS8T) or approved equal. Assembly shall be comprised of an 8" twin-cone loudspeaker, factory-mounted 70.7/25-volt transformer and grille.

(LCS8T - Grille shall be heavy-gauge steel, finished in white baked-on epoxy powder-coat paint.)

(PCS8T - Grille shall be aesthetically pleasing and constructed of molded high-impact ABS with UV inhibitors used throughout. Speaker cone shall be treated for moisture resistance.)

Loudspeaker shall have wide-angle sound distribution with a minimum of 100° dispersion. Paper cone shall be damped, high-compliance type with smooth extended response over a range of 60-20,000 Hz. Sensitivity shall be a minimum of 95 dB @ 1 watt, 1 meter.

Transformer shall operate on 70.7 or 25-volts with power taps of 5, 2, 1, 0.5 and 0.25 watts. Insertion loss shall not exceed 1.5 dB.