

CEILING, PENDANT AND SURFACE MOUNT LOUDSPEAKERS



COMMERCIAL DESIGN SERIES

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## COST-EFFECTIVE SOLUTIONS

### CEILING, PENDANT AND SURFACE MOUNT LOUDSPEAKER SERIES

ONE FAMILY. UNIFORM SOUND.  
EXTRAORDINARY VALUE.



The Commercial Design Series (CDS) is a comprehensive family of cost-effective ceiling, pendant and surface mount loudspeakers that deliver exceptionally high quality sound, with predictable and uniform coverage. Comprised of 4.5-inch, 6.5-inch and 8-inch form factors, all members of the Commercial Design Series share similar high performance components for uniform voicing throughout the series. This means that various members of the CDS family can be combined in a single installation without compromising consistency from zone to zone. CDS loudspeakers further benefit from similar voicing and acoustic performance to Community's premium Distributed Design Series, allowing consistency in applications where members of both loudspeaker families are used. CDS loudspeakers are easy to install with labor-saving features and are very competitively priced for loudspeaker systems in its performance class.



### CEILING MOUNT SYSTEMS

Commercial Design ceiling loudspeakers include a standard profile 4.5-inch, 6.5-inch and 8-inch two-way model, as well as a low profile 4.5-inch loudspeaker in a shallow back can. The 6.5-inch model is also available in a standard black finish version for nightclubs, bars, restaurants or any application requiring a black ceiling system.

These are true coaxial loudspeakers, which means a real compression driver is concentrically arranged so that the upper frequencies emerge through the center of the low-frequency driver's magnetic structure and cone via a precisely tapered Tru-Phase™ high-frequency waveguide. This special construction provides consistent, wide dispersion up to 16 kHz, all but eliminating high-frequency narrowing. Reflection and diffraction problems at multiple frequencies, often found in ceiling loudspeakers at this price point attempting to emulate a true coaxial design, are altogether eliminated. CDS ceiling systems feature a genuine coaxial design using separate magnets for the LF and HF drivers for reduced distortion and high sensitivity, thereby permitting up to 3 dB greater output level while requiring up to half the amplification power of competing products. If deeper low frequency response is required, a D10SUB or DS8SUB subwoofer from Community's Distributed Design Series family may be added.

Commercial Design ceiling loudspeaker systems are designed with place-through-the-cutout Tile Support Bridge Rails and their snap-on spacers, as well as Drop-Stop™ installation assistant tabs to facilitate quick installation. Since the loudspeaker is pre-assembled in the back can with its crossover network, and pre-wired to an external Euro connector, the installer can simply insert a unit into the ceiling to snap it in place. This leaves both hands free to tighten the two clamp actuator screws, adjust the front-face power setting dial, and snap on the grille.

All ceiling models in the Commercial Design Series are ETL listed to comply with UL1480, UL2043 and CSA60065, with quality assured by Community's long history of building high performance, durable loudspeakers for sound reinforcement and contracting applications. Each model accommodates 8-ohm as well as 70V/100V applications.



All Commercial Design models feature Community's **Tru-Phase™** high frequency waveguide for greater coverage consistency. Upper frequencies emerge through the center of the LF driver's magnetic structure and cone through this proprietary phase plug to deliver consistent, wide dispersion up to 16 kHz.

### SURFACE MOUNT SYSTEMS

Surface mount loudspeakers in the Commercial Design Series include two-way 4.5-inch, 6.5-inch and 8-inch full-range loudspeakers in standard black and white finishes. Easily outperforming loudspeakers of a larger size format, the CS4, CS6 and CS8 provide high power handling, high sensitivity and realistic sound reproduction.

These loudspeakers feature a modern, streamlined design and are equipped with a built-in autoformer, allowing large numbers of distributed loudspeakers to be powered from a 70V or 100V amplifier output. The black or white cabinets are furthermore easy to customize since they accept a wide variety of paints. For durability and improved sonic quality, these longitudinally cross-braced cabinets have thick-walls and internally reinforced ABS plastic construction. This high-impact strength construction and internal ribbing reduces resonances. A convenient front-accessible power tap switch is hidden behind a rotatable logo. Installation is simple and flexible using the included multi-angle pan-tilt bracket which allows low profile mounting and precise positioning of the enclosure in either horizontal or vertical orientation.

### PENDANT MOUNT SYSTEMS

In addition, the Commercial Design family includes a 6.5-inch full-range pendant mount loudspeaker utilizing the same components as the 6.5-inch C6 ceiling model and CS6 surface mount model. Featuring the same high sensitivity and realistic sound reproduction, the CP6 pendant loudspeaker is also equipped with a built-in autoformer, allowing the full loudspeaker output to be realized with 70V or 100V distribution lines. An easy-access selector switch is conveniently located on the face of the loudspeaker for selectable 8 ohm or 70V/100V operation, while an integrated rear cover hides all wiring and hanging hardware for an aesthetically pleasing installation.

Two 15-foot (4.5m) long 2mm (0.77") high tensile galvanized steel wire rope suspension cables with integrated spring clips for attaching the cable to the enclosure are included, along with Gripple® brand adjustable height cable fasteners. Optional accessories include 30ft (9.1m) and 50ft (15.2m) hang kits, replacement Gripple speed clamps and trimmable 14ft (4.3m) decorative split loom tubing.

The CP6 is designed for open architecture spaces or any location where a stylish pendant form factor is desired, providing high quality paging and musical performance suitable for retail environments, restaurants, resorts, and numerous other applications.



TIME-SAVING INSTALLATION FEATURES

### APPLICATIONS

- Convention centers, exhibit halls
- Corporate training rooms
- Hotels, ballrooms
- Athletic venues, sports facilities, health clubs
- Houses of worship
- Airports, transportation facilities
- Retail environments, shopping malls
- Nightclubs, bars, restaurants

### FEATURES

- Comprehensive family of ceiling, pendant and surface mount loudspeakers with similar components and uniform voicing
- True coaxial loudspeakers with HF compression drivers
- High intelligibility with exceptional uniform coverage
- High efficiency, high output, low distortion
- Tru-Phase™ high frequency waveguide
- Selectable 8 ohm or 70V/100V operation
- Same components and similar voicing as the premium Distributed Design Series from Community



# COMMERCIAL DESIGN SERIES

## SPECIFICATIONS



4.5-INCH FORMAT

Model	C4LP	C4	CS4
<b>Loudspeaker Type</b>	Ceiling mount (low profile), full-range	Ceiling mount, full-range	Surface mount, full-range
<b>Drivers</b>	LF 1 x 4.5", HF 1 x 3/4"	LF 1 x 4.5", HF 1 x 3/4"	LF 1 x 4.5", HF 1 x 3/4"
<b>Operating Range (±10 dB)</b>	90 Hz - 13.5 kHz	75 Hz - 13.5 kHz	70 Hz - 13.5 kHz
<b>Max Input Power Rating</b>	60W continuous, 150W program	60W continuous, 150W program	60W continuous, 150W program
<b>Sensitivity (1W/1m)</b>	91 dB SPL	91 dB SPL	90 dB SPL
<b>Nominal -6 dB Beamwidth</b>	140° conical	140° conical	140° conical
<b>Available 70V Taps</b>	8W, 4W, 2W, 1W	8W, 4W, 2W, 1W	30W, 15W, 7.5W, 3.75W
<b>Available 100V Taps</b>	16W, 8W, 4W, 2W	16W, 8W, 4W, 2W	30W, 15W, 7.5W
<b>Nominal Impedance</b>	8 ohms	8 ohms	8 ohms
<b>Enclosure</b>	Corrosion-resistant zinc plated steel	Corrosion-resistant zinc plated steel	ABS plastic, matte finish, paintable
<b>Finish</b>	White	White	Black or white
<b>Included Accessories</b>	Tile support bridge rails, grille, paint mask, cut-out template, screwdriver	Tile support bridge rails, grille, paint mask, cut-out template, screwdriver	Low profile multi-angle pan-tilt bracket, IP56 rated connector cover
<b>Optional Accessories</b>	Can Adapter/Trim Ring (white), New Construction Bracket	Can Adapter/Trim Ring (white), New Construction Bracket	None
<b>Input Connections</b>	4-pole Euroblock connector with two-pair of non-interrupt parallel connections	4-pole Euroblock connector with two-pair of non-interrupt parallel connections	4-pole Euroblock connector with two-pair of non-interrupt parallel connections
<b>Safety</b>	ETL listed to comply with UL1480, UL2043 and CSA60065. Suitable for air handling spaces per NFPA 70 & NFPA 90.	ETL listed to comply with UL1480, UL2043 and CSA60065. Suitable for air handling spaces per NFPA 70 & NFPA 90.	Built-in safety cable attachment eyebolt
<b>Dimensions (H x W x D)</b>	8.3" x 8.3" x 3.6" (211 x 211 x 92 mm)	8.3" x 8.3" x 5.5" (211 x 211 x 140 mm)	6.4" x 9.6" x 6.5" (162 x 243 x 164 mm)



6.5-INCH FORMAT

Model	C6	CS6	CP6
<b>Loudspeaker Type</b>	Ceiling mount, full-range	Surface mount, full-range	Pendant mount, full-range
<b>Drivers</b>	LF 1 x 6.5", HF 1 x 3/4"	LF 1 x 6.5", HF 1 x 3/4"	LF 1 x 6.5", HF 1 x 3/4"
<b>Operating Range (±10 dB)</b>	70 Hz - 13.5 kHz	65 Hz - 13.5 kHz	70 Hz - 13.5 kHz
<b>Max Input Power Rating</b>	60W continuous, 150W program	60W continuous, 150W program	60W continuous, 150W program
<b>Sensitivity (1W/1m)</b>	91 dB SPL	90 dB SPL	91 dB SPL
<b>Nominal -6 dB Beamwidth</b>	120° conical	120° conical	120° conical
<b>Available 70V Taps</b>	30W, 15W, 7.5W, 3.75W	30W, 15W, 7.5W, 3.75W	30W, 15W, 7.5W, 3.75W
<b>Available 100V Taps</b>	30W, 15W, 7.5W	30W, 15W, 7.5W	30W, 15W, 7.5W
<b>Nominal Impedance</b>	8 ohms	8 ohms	8 ohms
<b>Enclosure</b>	Corrosion-resistant zinc plated steel	ABS plastic, matte finish, paintable	ABS plastic, matte finish, paintable
<b>Finish</b>	Black or white	Black or white	Black or white
<b>Included Accessories</b>	Tile support bridge rails, grille, paint mask, cut-out template, screwdriver	Low profile multi-angle pan-tilt bracket, IP56 rated connector cover	Two pendant hang kits, ABS plastic rear cover, rear cover ingress weather plug
<b>Optional Accessories</b>	Can Adapter/Trim Ring (white or black), New Construction Bracket	None	30ft (9.1m) and 50ft (15.2m) pendant hang kits, replacement Gripple® speed clamp, trimmable 14ft (4.3m) decorative split loom tubing
<b>Input Connections</b>	4-pole Euroblock connector with two-pair of non-interrupt parallel connections	4-pole Euroblock connector with two-pair of non-interrupt parallel connections	Two 2-pole Euroblock connectors
<b>Safety</b>	ETL listed to comply with UL1480, UL2043 and CSA60065. Suitable for air handling spaces per NFPA 70 & NFPA 90.	Built-in safety cable attachment eyebolt	ETL listed to comply with UL1480 & CSA60065. Gripple® suspension system & cable fastener listed per UL1598 and UL2239, TUV and CSA Class 3426-01 & Class 3426-81. Included safety cable with SWL of 99 lbs (45 kg).
<b>Dimensions (H x W x D)</b>	9.8" x 9.8" x 6.5" (249 x 249 x 165 mm)	7" x 11.8" x 10.7" (177 x 300 x 272 mm)	13.6" x 10" x 10" (346 x 254 x 254 mm)



8-INCH FORMAT

Model	C8	CS8
<b>Loudspeaker Type</b>	Ceiling mount, full-range	Surface mount, full-range
<b>Drivers</b>	LF 1 x 8", HF 1 x 3/4"	LF 1 x 8", HF 1 x 3/4"
<b>Operating Range (±10 dB)</b>	65 Hz - 13.5 kHz	45 Hz - 13.5 kHz
<b>Max Input Power Rating</b>	60W continuous, 150W program	60W continuous, 150W program
<b>Sensitivity (1W/1m)</b>	91 dB SPL	89 dB SPL
<b>Nominal -6 dB Beamwidth</b>	120° conical	110° conical
<b>Available 70V Taps</b>	30W, 15W, 7.5W, 3.75W	30W, 15W, 7.5W, 3.75W
<b>Available 100V Taps</b>	30W, 15W, 7.5W	30W, 15W, 7.5W
<b>Nominal Impedance</b>	8 ohms	8 ohms
<b>Enclosure</b>	Corrosion-resistant zinc plated steel	ABS plastic, matte finish, paintable
<b>Finish</b>	White	Black or white
<b>Included Accessories</b>	Tile support bridge rails, grille, paint mask, cut-out template, screwdriver	Low profile multi-angle pan-tilt bracket, IP56 rated connector cover
<b>Optional Accessories</b>	Can Adapter/Trim Ring (white), New Construction Bracket	None
<b>Input Connections</b>	4-pole Euroblock connector with two-pair of non-interrupt parallel connections	4-pole Euroblock connector with two-pair of non-interrupt parallel connections
<b>Safety</b>	ETL listed to comply with UL1480, UL2043 and CSA60065. Suitable for air handling spaces per NFPA 70 & NFPA 90.	Built-in safety cable attachment eyebolt
<b>Dimensions (H x W x D)</b>	11.3" x 11.3" x 7.6" (287 x 287 x 192 mm)	9.7" x 13.8" x 12.4" (247 x 350 x 315 mm)



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