



ORIGIN  
ACOUSTICS®



## D80 Series Director Collection

Better bass response and greater output level in the Director 80 series is obvious the moment it goes active. Its most amazing feature is fitting all of this performance into a flush mount package the size of a standard 6" ceiling speaker. The Director 80 series is available in five performance levels and sets a new sonic standard for speakers in this diameter.



D89



D87



D85



D83DT/SUR



D83



D83A



D81

### Director Technology

The entire speaker pivots allowing the sound to be directed toward the listening area from anywhere in the room.

### DPSD™ Tweeter

This patented tweeter has the greatest output and is able to crossover much lower to either the woofer or the midrange improving both dispersion and the frequency response.

### Woofer Cone Materials

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### Compression Molded Baskets

These complex baskets that support the woofer cones were computer designed and compression molded with absolute precision allowing for unique support and venting elements to assure peak performance.

### TriLinear® Configuration (TLC)

The three-driver design is efficient and is more precise by dividing the frequency spectrum into smaller segments allowing the individual drivers to concentrate on a more limited sonic palette.

### Tool-Less Mounting System

The Tool-Less Installation secures the speaker in the ceiling with the exact torque to ensure a tight fit. This is accomplished by squeezing the clips into place and locking the speaker with a twist.

### X-Wave™ Woofer Surround

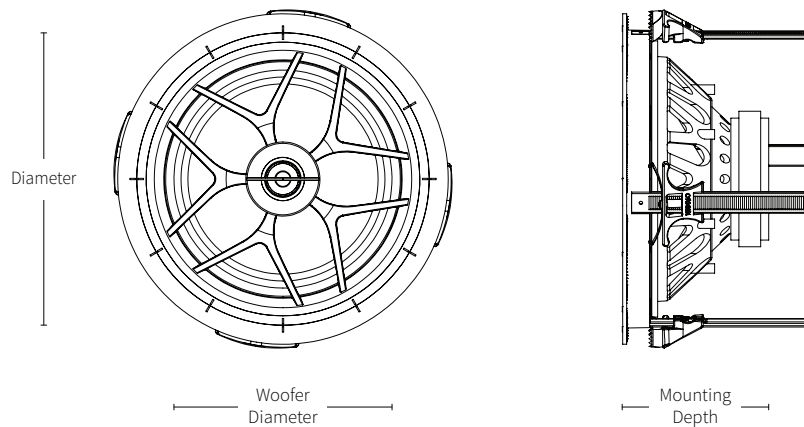
This suspension element absorbs unwanted frequencies that reflect up and down the woofer cone to reduce harmonic distortion while maintaining the desired linear travel of the woofer.

### EQ Adjustment

These switches on the baffle allows the adjustment of the output of either the high frequencies or both high and low frequencies to custom tailor the sound based on the proximity of the architectural elements of the room.

# Specifications

Model	D89	D87	D85	D83DT/SUR	D83	D83A	D81
Part Number	SCD80900	SCD80700	SCD80500	SCD2T80300	SCD80300	SCD8030A	SCD80100
Woofer Cone	Kevlar	Glass Fiber	IMG	IMG	IMG	IMG	Poly/Rubber
Woofer Dimensions	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)
Mid-Range Dome	Kevlar	Glass Fiber	IMG	-	-	-	-
Mid-Range Dimensions	4" (102mm)	4" (102mm)	4" (102mm)	-	-	-	-
Tweeter Dome	Silk DPSD	Silk DPSD	Silk DPSD	Aluminum	Aluminum	Aluminum	Silk
Tweeter Diameter	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)
Frequency Response	30 Hz - 20 kHz	34 Hz - 20 kHz	36 Hz - 20 kHz	38 Hz - 20 kHz	38 Hz - 20 kHz	38 Hz - 20 kHz	38 Hz - 20 kHz
Impedance	6 ohm Minimum	6 ohm Minimum	6 ohm Minimum	6 ohm Minimum	6 ohm Minimum	6 ohm Minimum	6 ohm Minimum
Power Handling	50 - 200 Watts	50 - 175 Watts	50 - 150 Watts	50 - 125 Watts	50 - 125 Watts	50 - 125 Watts	50 - 125 Watts
Diameter	9.61" (244mm)	9.61" (244mm)	9.61" (244mm)	9.61" (244mm)	9.61" (244mm)	9.61" (244mm)	9.61" (244mm)
Grille Diameter	10" (254mm)	10" (254mm)	10" (254mm)	10" (254mm)	10" (254mm)	10" (254mm)	10" (254mm)
Cutout Diameter	8.75" (222mm)	8.75" (222mm)	8.75" (222mm)	8.75" (222mm)	8.75" (222mm)	8.75" (222mm)	8.75" (222mm)
Mounting Depth	5.59" (142mm)	5.59" (142mm)	5.59" (142mm)	4.29" (109mm)	4.13" (105mm)	4.13" (105mm)	3.89" (99mm)



\*Not to Scale