



ORIGIN  
ACOUSTICS

# Milestones



**1976** Ken Humphreys & Ed Hasse developed and manufactured the first architectural loudspeaker.



**1993** Jeremy Burkhardt & Ed Hasse introduced SpeakerCraft as its own brand.



**2010** Patented axially stabilized DPST™ Tweeter.



**2014** Introduced two new tool-less mounting systems and a full line of ceiling speakers designed to reduce the visible footprint, allowing 8" speakers to be used where previously only 6" speakers



**2016** Shipping over 140 innovations.

**1984-94** Designed and manufactured in-wall speakers for Polk, JBL, Sonance, Niles and Bang & Olufsen.



**1997** Patented the first "aimable" loudspeaker for in-ceiling installation. The legacy continues to this day.



## Seek Reinvention

This is our purpose, our energy, our motivation to march forward in the world. In 1976 we invented the in-wall speaker, because our family and friends yearned to experience high performance audio just the way the musical artist intended, in the comfort of their own home. Nearly four decades, numerous awards and 1000's of products later...we are not finished. Our goal? To produce the best sounding loudspeakers you can own. Because of your support and demand for what we do, we will not stop until this is achieved. For this sole purpose we have reunited the best talent in the industry. This is our art, creating and sharing the perfect sounding loudspeaker. It is our life. When all others say, "it can't be done", we continue to innovate. We have created tomorrow's trends and are delivering them today. We are the artists of sound. We are *Origin Acoustics*.

*Jeremy Burkhardt*

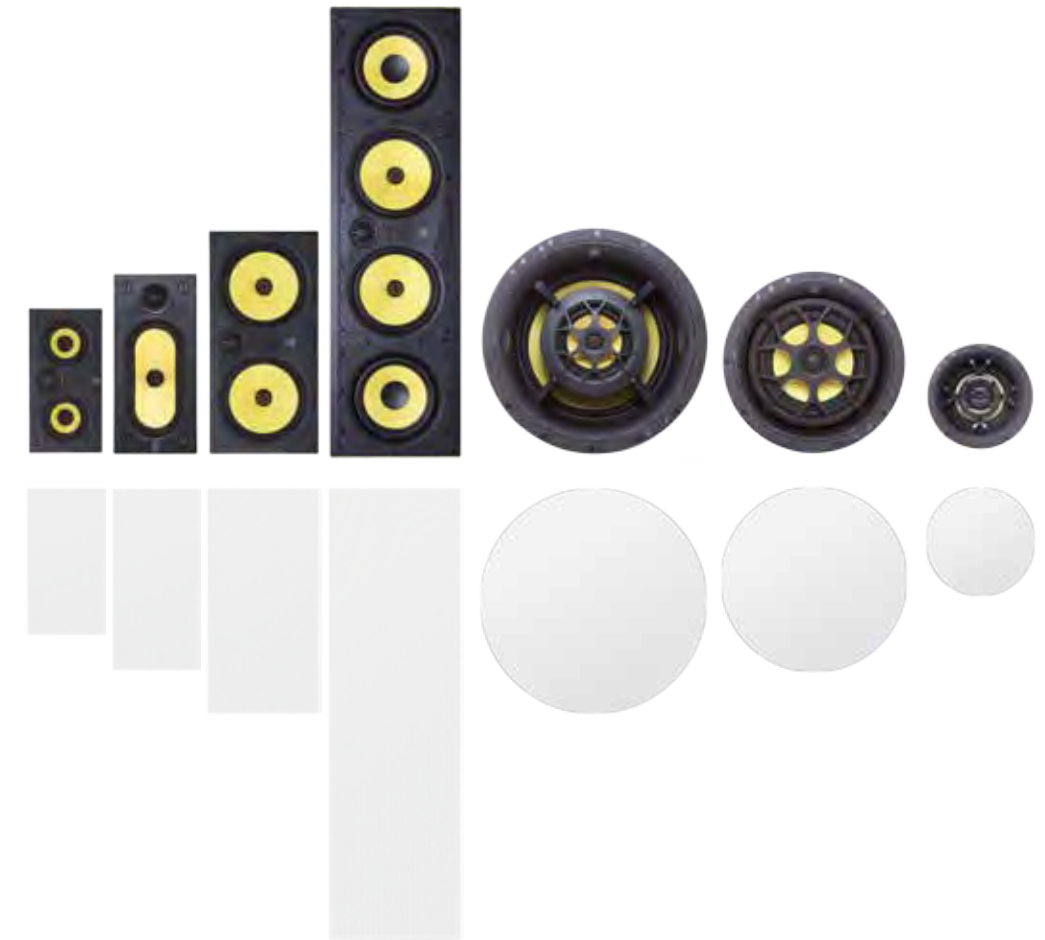
— Jeremy Burkhardt, CEO





# Personalized, Adaptable & Directable

Only Origin Acoustics provides you with the ability to **personalize** your listening experience in any room. Our speakers have no boundaries and are **adaptable** to all environments spanning from indoor home theaters and kitchens to outdoor landscapes. Our patented technologies are the culmination of over 100 years in combined experience in providing sound that is **directable** with wider dispersion and enchanting musical accuracy, all while remaining hidden from plain sight.



## 40 Years of Refinement...

The Director Collection is the culmination of a combined 100+ years in producing the finest sounding in-ceiling speakers. Every aspect of the Director Collection is purposed towards producing full-range high fidelity music with as little visibility as possible. Utilizing the finest materials and a unique pivoting assembly to direct the sound precisely where it is needed, these speakers become transparent points of sound in any room. Never before has this level of overall performance been available in an in-ceiling speaker.—backed by a life-time warranty.

### Features

- IMG, Glass Fibre and Kevlar Woofers
- X-Wave™ Woofer Surround
- Progressive Suspension
- Adjustable Equalization
- Compression Molded Baskets
- Zip-Clip™ Mounting System
- Bezel-Less Magnetic Grille
- IPX6 Weatherproof Rated



## Director Collection



*“In overall performance, the Origin Acoustics D108s are the best in-ceiling speakers I have ever heard.”*  
— Darryl Wilkinson, Sound & Vision Magazine



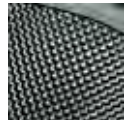

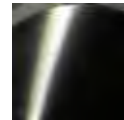

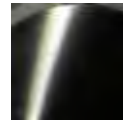

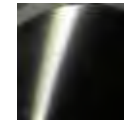

# 5 Levels of Performance

Origin Acoustics is the most expansive line of architectural speakers in the world, with designs for almost any and every application. With five levels of performance, we offer everything from speakers for a couple hundred dollars a pair, to speakers that have been reviewed as the finest and best sounding for a few thousand a pair. We will continue to create the most musically accurate speakers to impress even the most discerning audiophiles.

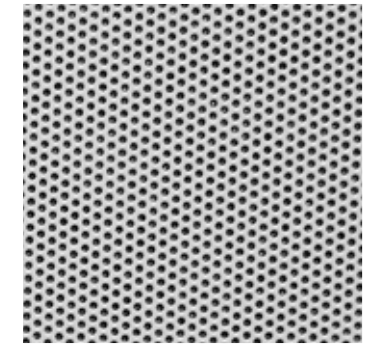
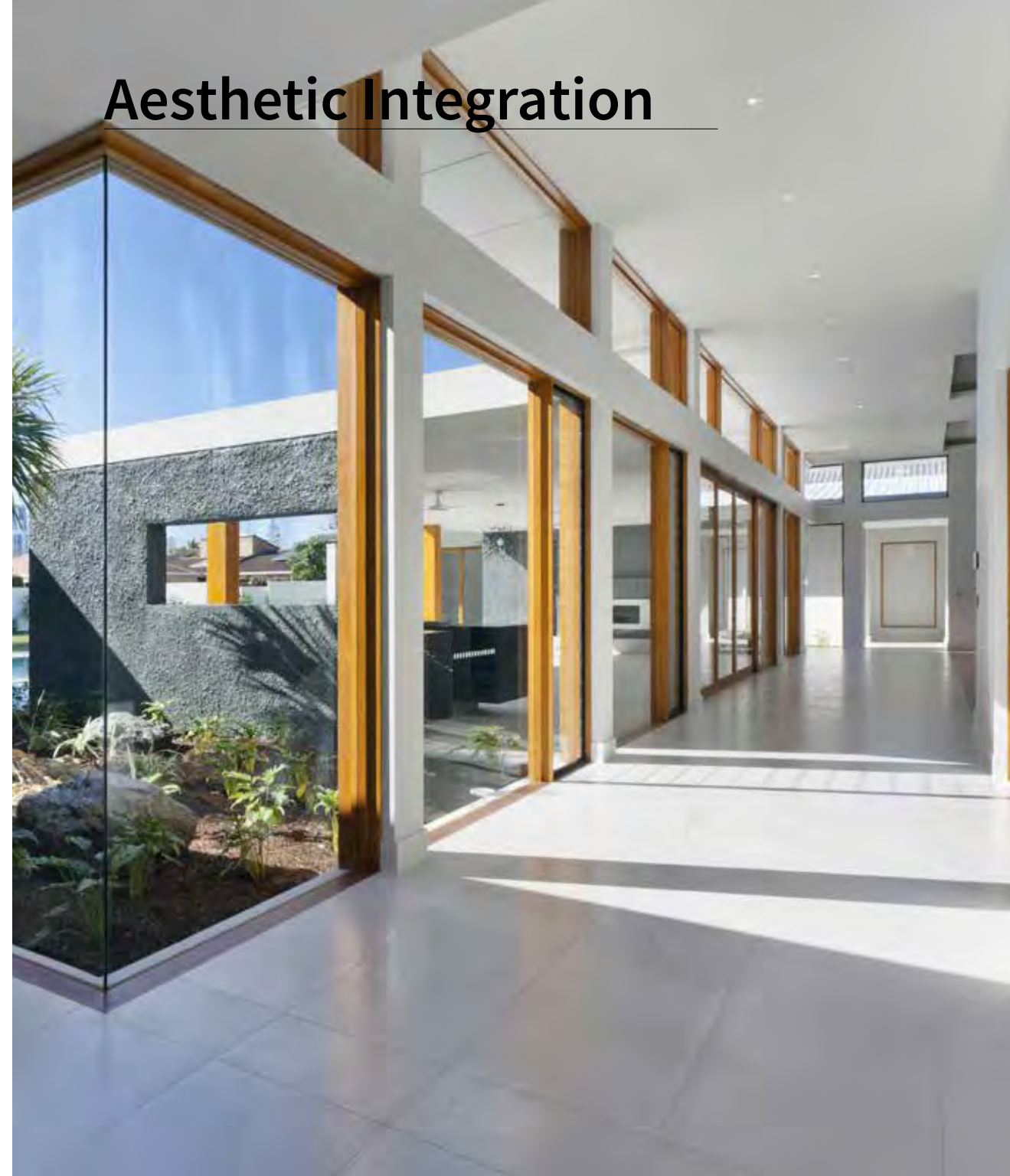
Our Director Collection of 3, 6, 8, and 10" in-ceiling speakers come in round and square grille finishes with five distinct sound signatures. Our Composer Collection of 10, 12, 15, and 30" in-wall speakers complete the experience, offering the best immersive audio experience with the same sonic signature of the Director Collection. Whether all in-ceiling, all in-wall, or mixed, each model has been timbre matched with hand-selected materials to perform with an amazing sonic signature that has been continuously refined by our engineers for over 40+ years.

*TIP: All speakers are "coded" to each material. For example, all codes ending in "6" contain Glass Fiber woofers and Pivoting Silk DPSD™ tweeters.*



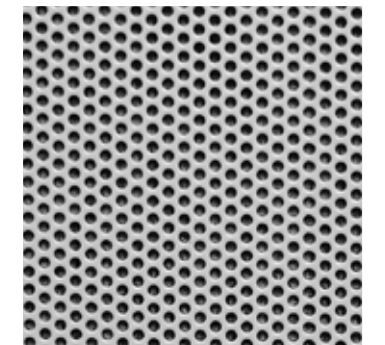
<h2>8</h2> <p><b>Articulate</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               Kevlar™ Woofers         </div> <div style="text-align: center;">               Pivoting Silk DPSD™ Tweeters         </div> </div>	<h2>6</h2> <p><b>Precise</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               Glass Fiber Woofers         </div> <div style="text-align: center;">               Pivoting Silk DPSD™ Tweeters         </div> </div>	<h2>4</h2> <p><b>Refined</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               Injected Mold- ed Graphite Woofers         </div> <div style="text-align: center;">               Pivoting Aluminum Tweeters         </div> </div>	<h2>2</h2> <p><b>Balanced</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               Injected Mold- ed Graphite Woofers         </div> <div style="text-align: center;">               Pivoting Aluminum Tweeters         </div> </div>	<h2>0</h2> <p><b>Fundamental</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               Poly/Rubber Woofers         </div> <div style="text-align: center;">               Pivoting Silk Dome Tweeters         </div> </div>
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# Aesthetic Integration



## Origin Grille

Every Origin loudspeaker is covered in a perforated steel grille with an extremely fine perforation pattern. This limits shadowing and makes the speaker appear to be little more than a shadow on the wall or ceiling.



## Competitor Grille

Typical speaker grilles have a much more coarse perforation pattern causing them to appear two to three shades darker regardless of what color they are painted.

# 7 New Inventions / Patents

## 1 Tri-Linear Configuration (TLC)

The Director Collection features three drivers in a unique linear alignment. This three-way design allows for broader frequency response and superior power handling. The 3-inch midrange is made of woven Kevlar and the tweeter is our proprietary DPSD™ radiator.

## 2 Director Technology

The ability to point or “direct” the sound toward a specific area in the room is critical when the speakers are mounted in the ceiling. The Director 80 and 100 series features a mid-tweeter assembly that can be adjusted to focus the sound toward the listening area regardless of the speaker’s position in the ceiling. This allows for the speakers to be used in many applications. One example is a home theater where the soundstage, relative to the screen, is crucial. The seating area can be off axis and still remain in the “sweet-spot.”

## 3 Dual Plane Stabilized Diaphragm (DPSD™)

A patented innovation that dramatically improves high-frequency performance, the DPSD™ radiator uses a unique suspension design that maintains the tweeters alignment throughout a larger frequency range. The suspension is attached at both the voice-coil and the peak of the dome allowing the driver to be crossed over at a much lower frequency. This results in improved dispersion and decreased distortion.

## 4 X-Wave™ Woofer Surround

While in motion, frequencies between 700-1,400 Hz typically run up the cone of a woofer and are reflected back and forth from the center of the driver. This creates unwanted harmonic distortion. The X-Wave™ surround found in Origin woofers absorbs these frequencies reducing distortion and maintaining driver stability. This design also maximizes cone area by reducing the width of the surround.

## 5 Progressive Suspension

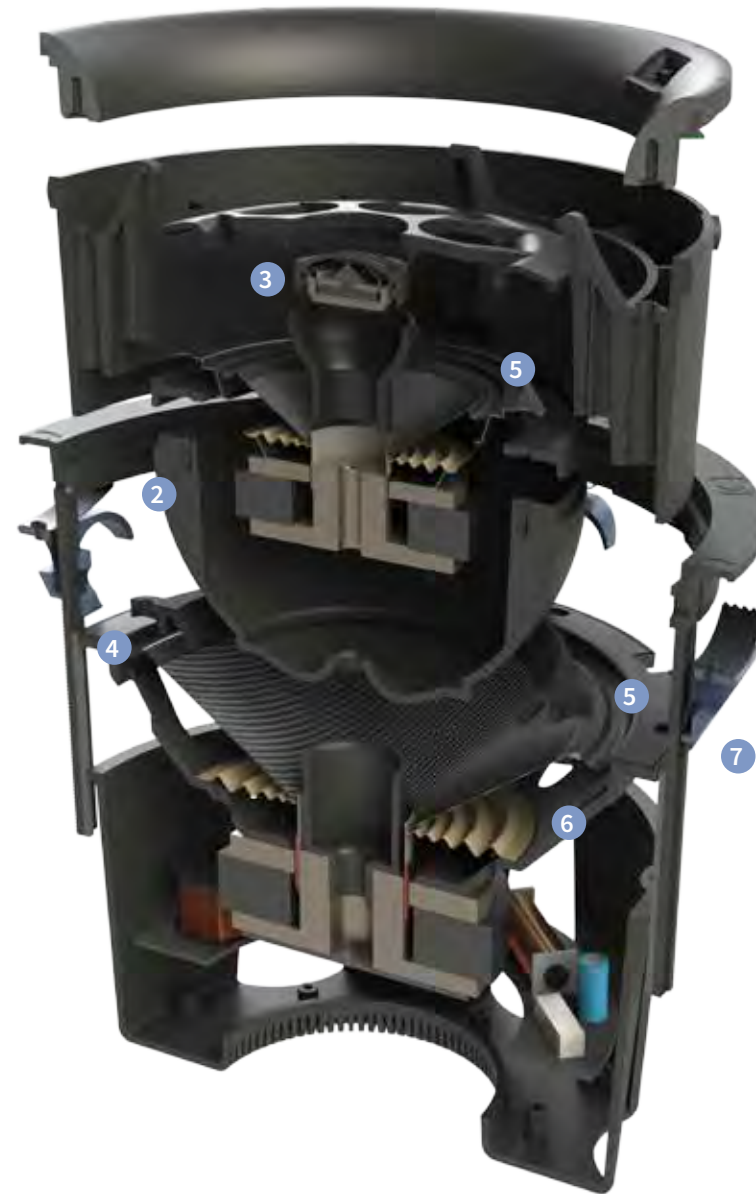
As the driver travels to the limits of its excursion, the suspension, made up of the spider and the surround, becomes more rigid, exerting more control on the movement of the cone. The result is increased, clean power output throughout the driver’s frequency range.

## 6 Compression Molded Woofer Baskets

Utilizing the latest techniques and materials in plastic fabrication, Origin is able to create basket designs with superior stability and acoustic neutrality. These baskets combine with the driver suspension to increase linearity and improve overall performance.

## 7 Zip-Clip Mounting System

It is important when installing a loudspeaker in the ceiling that it be stable and secure, restricting the vibration of the assembly and limiting transfer of energy into the wall. The revolutionary Zip-Clip™ system spreads the weight of the speaker over a larger area than typical mounting systems accomplishing this result with minimal effort. Spring-loaded clips also create more uniform pressure against the drywall eliminating any warping or distortion of the speaker baffle.



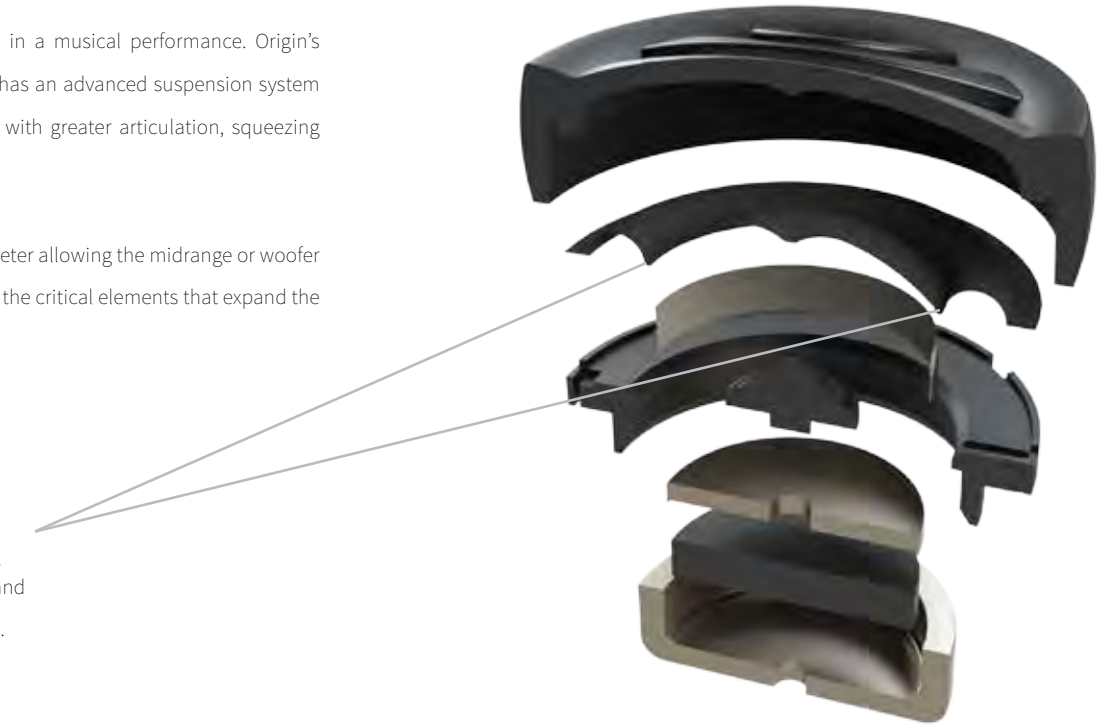
# Expanding Our Range (DPSD™)

Crystal clear high frequencies provide the nuances in a musical performance. Origin’s patented Dual Plane Stabilised Diaphragm or DPSD™ has an advanced suspension system that allows the tweeter to play louder, cleaner and with greater articulation, squeezing every last detail out of your recordings.

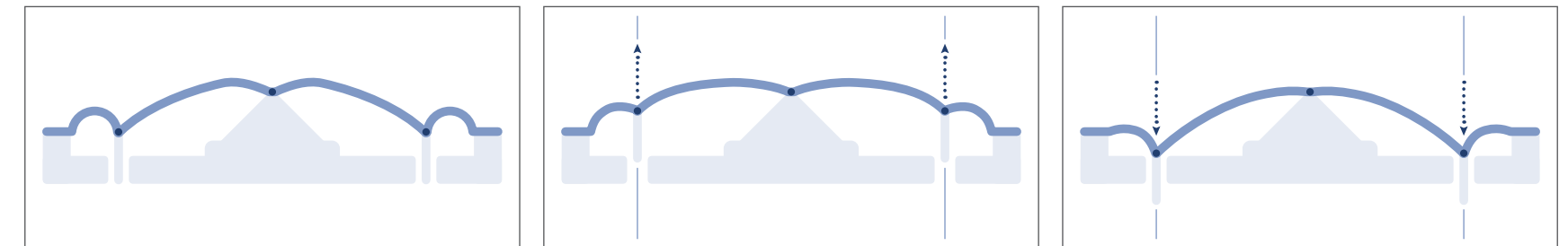
The DPSD™ also crosses over lower than a typical tweeter allowing the midrange or woofer to operate comfortably within its range. This is one of the critical elements that expand the speaker’s dispersion.

## Dual Suspension

The dome is attached at both the outside edge and at its peak to dramatically improve performance.



## Origin Acoustics DPSD™

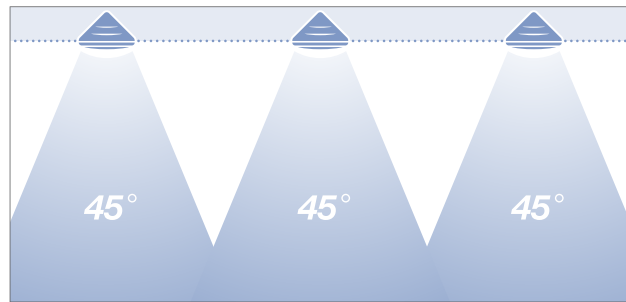


**Stable Travel:** A typical dome tweeter is only suspended around the outside edge. This can lead to the dome “rocking” from side-to-side at lower frequencies and higher output levels. The DPSD™ adds an additional attachment point at the peak of the dome. This stabilises the diaphragm creating more linear travel and the ability to play both louder and lower.

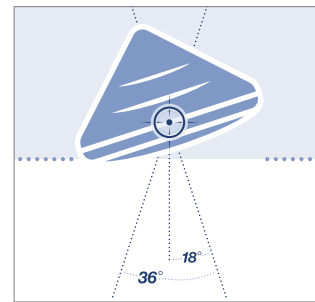
# Directable Sound

One of the greatest benefits of the **Director Collection** (patent pending) is its incredible dispersion. The pattern of sound is wider than any other ceiling speaker on the market. This means better coverage and greater flexibility in speaker placement. In addition, the speaker's unparalleled pivoting ability allows for the sound to be focused at the listening area regardless of where the speaker is positioned. These two elements are the final step in delivering incredible sound quality to the ear of the listener.

## Origin Acoustics

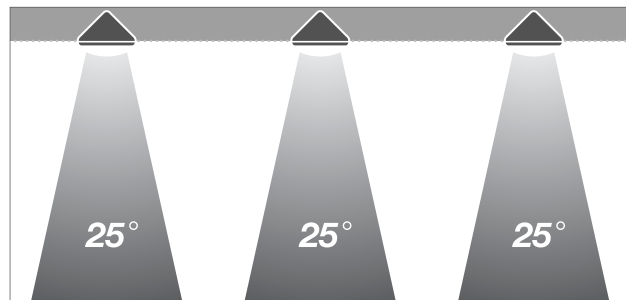


**Wide Dispersion:** Greater dispersion means more coverage from every speaker and it creates a much larger listening area in every room.

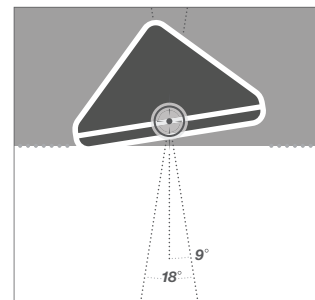


**Pivotal Actions:** A full 36° of pivot allows for incredible flexibility in speaker placement and the ability to focus the sound at the precise position for optimum sonic fidelity.

## Typical Speaker



**Limited Dispersion:** A typical in-ceiling speaker's tight dispersion pattern creates a very limited listening area and requires a larger number of speakers to give adequate coverage in the living space.



**Pivotal Point:** Although some in-ceiling speakers can pivot, the angle they can achieve is so small it requires the speakers to be almost directly overhead.

# More Bass, Less Space

The amount of air a driver can move is a function of its surface area and the length of its throw or excursion. Driving the lower frequencies in the Director Collection are impressive 8 and 10-inch woofers that have 60% more surface area than our competitors' comparable counterparts. However, our engineers have been able to fit these drivers into smaller baffles. The result is a much smaller footprint with incredible bass. The woofers are carefully crafted from Injection Molded Graphite, Glass Fiber or Kevlar<sup>®</sup> depending on the model.

## Origin Acoustics Typical Speaker



### 6" Cutout

One of the huge advantages of the Director Collection is the fact that our 8-inch speaker fits into the same footprint as a typical 6-inch speaker.



### 8" Cutout

Taking that same design one step further, our 10-inch speaker fits into the footprint of a typical 8-inch speaker.



## Installation is a Zip

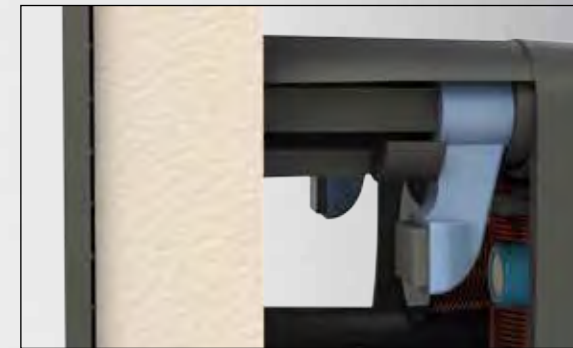
It is important when installing a loudspeaker in the ceiling that it be stable and secure, restricting the vibration of the assembly and limiting transfer of energy into the wall. The revolutionary tool-less Zip-Clip™ (patent pending) installs the speaker by simply squeezing down on the clip with one hand. This system spreads the weight of the speaker over a larger area than typical mounting systems accomplishing this result with minimal effort. Spring-loaded clips also create more uniform pressure against the drywall eliminating any warping or distortion of the speaker baffle as well as eliminating any stress or cracking of the drywall.



Each ZipClip has 8 spikes that act as a suspension system similar to ones used in an automobile. A total of 32 spikes are used to eliminate resonance transfer through to the drywall.

## Tool-Less Installation

Securely mounting the speaker inside the wall is a necessity for full fidelity performance. The unique SpringLock™ (patent pending) mechanism in the Composer Collection clamps against the inside of the drywall creating uniform torque at each pressure point. This assures that the baffle will not warp and the integrity of the seal between the baffle and the drywall will remain constant.



A quarter turn is all it takes for the spring-loaded mechanism to snap into place with exactly the right pressure to secure the speaker.





# Minimal Opening™ System



## When Aesthetics Take Precedence...

The growing popularity of smaller home lighting has presented a peculiar dilemma to the designers of in-ceiling speakers. High performance sound is expected, but a low profile is demanded to match the stylish shapes and sizes of interior ceiling decor. The Director Minimal Opening™ system contains four 3" Kevlar™ satellite speakers that spread even sound coverage throughout a room while matching the footprint of interior home lighting. A Dual-Firing 6.5" Director In-Ceiling Subwoofer with a Band-pass enclosure completes the performance with tight bass and a small opening to match. Seamlessly blending in with interior designs, this system adds an audible layer of Feng Shui.



**Flexible port options** to match 4.25" recessed lighting or Director 6" & 8" in-ceiling speakers.



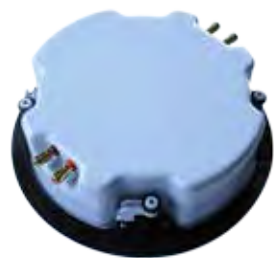
**Dual woofers in Band Pass Design** for more efficient power handling and greater low-frequency output with less vibration.



Comes with round and square grilles

## When Space is Limited...

Featuring sealed enclosures that are only 70mm deep, the ThinFit™ Collection allows in-ceiling speakers to be installed in even the tightest spaces. The Quad-Driver Configuration and Dual-Tweeter Surround designs create an abundance of sonic output while remaining concealed behind a low-profile bezel-less magnetic grille.



The integrated IPX6 weather-proof rated **steel back-can** protects the loudspeaker's components and reduces sound transfer between rooms.



The **multi-driver configuration** in the TF34 and 36 is a perfect means of producing impressive sound quality from a very thin enclosure.



The patented **(DPSD™)** tweeter is a critical factor in dramatically expanding the dispersion in the TF36.

# 70mm DEEP

ACTUAL SIZE

ThinFit™ Collection are perfect for tight ceiling spaces, at only **70mm** deep with sealed enclosures to reduce sound transfer.



## ThinFit™ Collection



# Composer Collection



## Every Home Should Sound Like a Concert Hall...

Re-imagining the in-wall speaker has been the passion of our engineers who had created the first of its kind decades ago. The Composer Collection is the result of starting that process with a blank canvas. Innovative driver configurations combined with hours of critical listening and fine-tuning has resulted in this incredible offering that raises the bar on the entire category. The engineers at Origin utilised the “Golden Mean” an aspect ratio found in classic design, art and architecture. The result is a sleek aesthetic that blends with any interior.

## Features

- IMG, Glass Fibre and Kevlar Woofers
- X-Wave™ Woofer Surround
- Progressive Suspension
- Aluminium and DPSD Tweeters
- Adjustable Equalisation
- Compression Molded Baskets
- “Golden Mean” Aspect Ratio
- SpringLock™ Mounting System
- Bezel-Less Magnetic Grille



## More Bass, Every Place...

Deep bass is the bedrock of any musical or theatrical experience. It is the visceral element that moves you at an emotional level. Origin Acoustics Subwoofers have the power and dynamics to shake the walls and create a sonic realism that makes a performance come to life. Available for both in-wall and in-ceiling installation as well as floor standing, each of our subwoofers have distinct engineering features that set them apart from others in the category.



All Origin Acoustics subwoofers have high mass fast-moving **aluminum woofers** that dissipate heat and enhance low-resonance frequencies.



The 150 Watt SUBA150 and 500 Watt SUBA500 w/ **DSP Settings** subwoofer amplifiers have been designed to extend low-end bass response and protect from damaging overdrive.

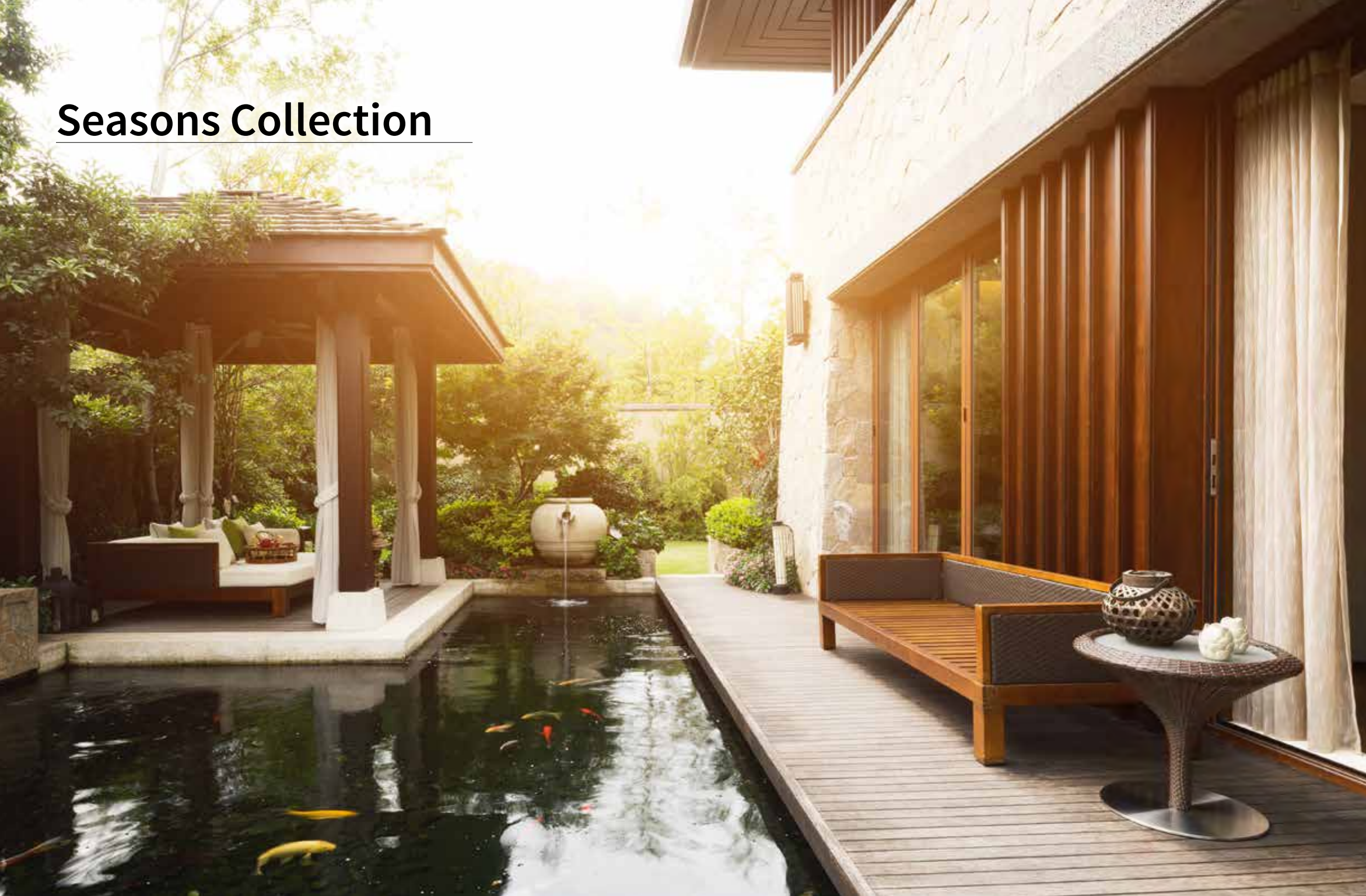


Dissipating obstructive high temperatures, the **front-mounted heatsink** allows the fast-moving aluminum cone to produce more linearity with less distortion.

## Subwoofers



# Seasons Collection



## The Neighbors Don't Have to Know...

As outdoor audio has advanced from background to foreground music, performance expectations have substantially increased as well. The Seasons Collection presents major improvements in bass response and overall output level in both mounted versions as well as models dedicated to landscape installations.



Both **8 ohm** and **multiple 70v taps** provide tremendous flexibility in system design and sound distribution throughout the entire environment.



Subwoofers in 8, 10 and 12-inch models reside underground with only a **tuned port** exposed above the surface.



**Passive radiators** on the bottom of the LS64 create more bass and a smoother transition to the subwoofer.



# Director Collection



# ThinFit Collection



# Composer Collection



# Seasons Collection





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