

A I R D I S T R I B U T I O N
PRODUCTS

PRODUCT:
SPECTRUM

SPECTRUM



ARCHITECTURAL CEILING DIFFUSER

F O C U S

03



ADVANCING THE SCIENCE OF AIR DISTRIBUTION

Rethink what air management systems can be.
Revise your notion of functionality.
Redefine your comfort zone.™



Comfort, Redefined.

Since 1946, Titus has focused on technologically advanced products that create the highest degree of comfort.


We've consistently led the industry by breaking the barriers of expectation and convention when it comes to technology. We've redefined how technology drives, influences and supports air management. And by being first to market with the most innovative approaches to air distribution, we're proud to say that the marketplace has taken notice, and is counting on us to lead the way into the next decade. A challenge we're more than happy to accommodate.

Titus has raised the bar on design, proving that functional can also be beautiful. And we've redefined what it means to be energy efficient, with a collection of smart technology products that optimize the use of natural resources.

Titus has also redefined what it means to work with an air management products partner. We pride ourselves on listening and responding so that we can not only meet expectations, but also exceed them. Service has been, and will always be, our main focus at Titus. And, it's why so many of our customers keep coming back.

Welcome to your new comfort zone. It starts here.

Overview



Spectrum diffuser installed in a ceiling of a conference room with standard color appliqué

Titus' Spectrum diffuser offers a unique alternative when considering ceiling mounted air outlets for architectural building applications. The Spectrum design includes a special arcuate face with center appliqué. The appliqué is available in nine standard colors, as well as custom color matches or company logo. The versatility of these different color schemes provides the architect with a multitude of design options to compliment and enhance a building's décor.

The Spectrum also provides excellent performance by delivering a tight 4-way horizontal air discharge pattern which make it a great choice for variable air volume applications. In addition to its architectural features, the Spectrum can also be used for retrofit applications with existing Titus perforated diffusers (PCS model). The removable arcuate face can be ordered separately to retrofit existing PCS diffusers in the field by removing the pattern controllers and replacing the face.

APPLIQUÉ INFORMATION

The Spectrum appliqué is constructed of matte substrate material with adhesive backing. Each appliqué is individually die cut for consistency and fitted to the pre-formed square embossment in the center of the Spectrum faceplate after the diffuser is painted. Appliqué specifications include a 0.017" polycarbonate substrate with opacity film, 0.002" adhesive with peel-off backing, and total thickness of 0.019".

COLOR OPTIONS

Titus offers nine standard appliqué colors for the Spectrum diffuser as well as custom colors or custom logo's. For the custom color matching process, two color chips (2" x 2") must be sent to Titus. For the custom logo process, a high resolution digital image must be supplied to Titus in a 3.96" x 3.96" viewing size.



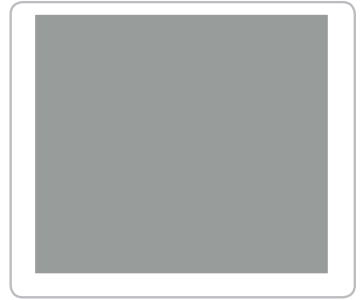
Standard Center Appliqué Color Chart



BRITISH WHITE
(00)



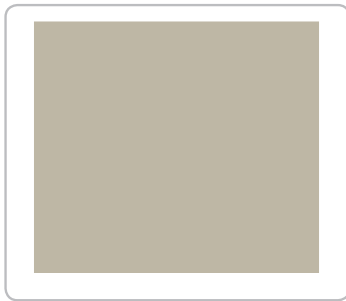
OFF-WHITE
(01)



LIGHT GRAY
(02)



MEDIUM GRAY
(03)



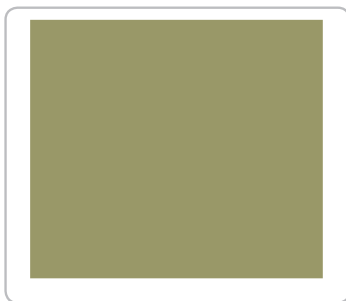
LIGHT BEIGE
(04)



MEDIUM BEIGE
(05)



BLUE GRAY
(06)



OLIVE
(07)

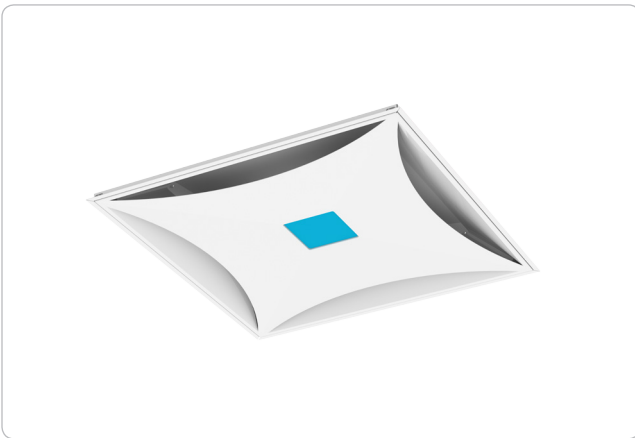


RUST
(08)

Spectrum

4-WAY HORIZONTAL AIR DISCHARGE PATTERN

- » Can be used to retrofit Titus perforated diffusers
- » Available with self adhesive color appliqués (choice of 9 standard colors)
- » Ability to add custom company logo on appliqué
- » Wood grain finishes available
- » Removable face for easy access to duct



metric sizes



wood grains



retrofit

Spectrum

The Spectrum diffuser offers a unique alternative for architectural building applications. The Spectrum's design includes a special arcuate face with center appliqué. The appliqué is available in nine standard colors, as well as custom color matches or company logo. The versatility of these different color schemes provides the architect with a multitude of design options to compliment and enhance a building's décor.



Wood grain Finish Options

As sustainable design elements continue to dominate the commercial building industry, building owners, architects and engineers are looking for new and environmentally responsible solutions for everyday building needs without sacrificing performance or aesthetics. Titus' wood grain finishes offer an appealing substitute for wood and natural stone without harming the environment. Wood grain finishes allow for conservation of our natural resources while also offering a durable cosmetic alternative to conventional finishes with low-to-no VOCs.

BENEFITS

This dye sublimation process provides a finish that realistically resembles wood and stone, and is durable enough to be used in high traffic architectural applications. In spaces where wood floors, ceilings or paneling are used, and architects would rather not see the required HVAC equipment, there are only a few options available such as using borderless installation methods, or paint and veneers which chip easily. The Titus wood grain finishes are so real and natural looking, you have to touch them to recognize the difference; and durable enough to be used in any architectural application.

Unlike natural wood, Titus' wood grain finishes are easy to clean and do not require the constant upkeep as wood products. They are available in either a smooth gloss or textured finish and will not deteriorate due to moisture, temperature extremes or corrosion. And of course you will never have to worry about termites. They will give you the look of high end wood grains, marbles, and granites with the durability of powder coating.

Additionally, wood grain finishes offer high resistance toward all atmospheric agents and are resistant to heat, acids, humidity, salt, detergents and UV. All of the powders used are made in a TGIC free super durable formulation and meet the performance requirements listed in AAMA 2603 and AAMA 2604-2.



As the architectural industry searches for alternative materials to meet the growing demand for LEED and GREEN builds, Titus is proud to say that we are the first commercial HVAC company to bring this cutting edge technology to the U.S. market.

Redefine your HVAC aesthetics with high-performance metal products that look like wood and stone. There is really no limit to what you can create when you redefine your comfort zone.

CASE STUDY

Lakewood Country Club

Dallas, Texas

Client - Lakewood Country Club

Rep Office - ADW Corporation

Architect - Buchanan Architecture

LEED Certification - None

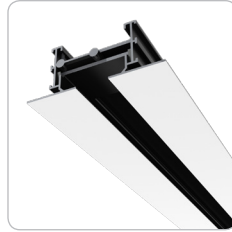


ABOUT THE PROJECT

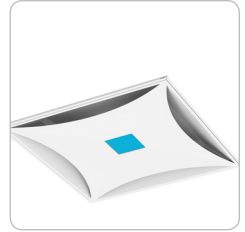
Situated in a quiet, woody and ever-growing East Dallas neighborhood is the majestic Lakewood Country Club. Originally built in 1912, the history of the country club and golf course has spanned several moments in time. The club has hosted many famous tournaments and golfers through the years too. Byron Nelson and Ben Crenshaw are just a couple of the many golfers who have played this historic course and the Byron Nelson Junior Championship has become an annual event at the facility. With such an impressive golf course, the country club has also gone through several renovations over the years to keep the amenities as appealing and breathtaking as the golf course.

THE TITUS SOLUTION

The design team led by Buchanan Architecture focused on not only updating the look and feel of the country club, but also renovating it to keep the rich history alive and well for future members and guests to experience. Throughout the facility, members and visitors will see the attention to detail in perserving the original architecture. The design team also placed a premium on updating the HVAC systems. Titus was more than pleased to be selected to provide retrofitting solutions for this project. We have several years of experience in updating outdated systems and products with new innovative products. Lakewood Country Club has several



FlowBar



Spectrum



TMS



45F

Titus grille and diffuser products featured throughout the building.

One of the main products selected for air distribution in the country club is the Titus FlowBar. The FlowBar is an architectural linear diffuser system designed to maximize engineering performance without sacrificing aesthetic considerations for the designer. It has the versatility to be positioned in either overhead ceilings or sidewall applications. FlowBar's outstanding performance also allows higher airflows than conventional linear diffusers. The wide array of slot widths that are available allow for more cfm per linear foot while minimizing noise and pressure loss. The Titus Flowbar system is available in continuous linear, incremental linear and square configurations.

Additional products featured were the TMS and Spectrum diffusers along with the 45F eggcrate grille. The Titus TMS is a square ceiling diffuser that delivers supply air in a true 360 degree air discharge pattern with low pressure drop. The uniform, nearly horizontal jet from the outer cone maintains effective room air distribution even when the air volume varies over a considerable range. All sizes have three cones, giving a uniform appearance where different neck sizes are used in the same area. The Spectrum diffuser offers a unique alternative for architectural building applications. It is designed to retrofit outdated ceiling diffusers by easily removing the face and replacing with the innovative diffuser face. The Spectrum's design includes a special arcuate face with center appliqué. The appliqué is available in nine standard colors, as well as custom color matches or even featuring a company logo. The versatility of these different color schemes provides the architect with a multitude of design options to compliment and enhance a building's décor.

The 45F is an all aluminum return grille with an eggcrate core at a 45 degree deflection angle that prevents line of sight through the grille. It provides the benefit of an attractive look which hides the plenum or the duct behind it without the use of a light shield or plenum.

THE END RESULT

The newly remodeled Lakewood Country Club is now a sight to behold and one of the best clubs in the Southwest. The many enhancements to the golf course over the years combined with the recent renovations to the country club facility will make the overall experience more enjoyable for members, visitors and professional golfers for several years to come. A great foundation was laid over a hundred years ago and now it seems the club is ready to journey into another hundred years of success.



Icons



Diffuser module sizes are hard metric & inlets are soft. Metric linear and grille products are converted to the nearest 1/4" for ordering. Contact us for more information.

metric sizes



finish options that resemble wood grains, perfect for high-profile architectural applications

wood grains



for use in retrofitting older products into modern designs & systems

retrofit



Notes



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