MAINSTREAM DYNAMIC

BY ACUITY BRANDS®

EVERYDAY SPACES – TRANSFORMED

◁AcuityBrands.

CONTENTS

AcuityBrands

Acuity Brands is the North American market leader and one of the world's leading providers of lighting systems. With our comprehensive portfolio and in-depth knowledge of lighting, controls and daylighting, we provide integrated, intelligent solutions from one company. We offer expertise throughout the project lifecycle, while striving to make doing business with us valuable and easy.

Everyday Spaces – Transformed

YOU HAVE A VISION

You know what your client desires, and you know how the space should ultimately look. But with limited feature availability, mismatched forms and complex networks at your disposal, how do you bring your vision to life?

Introducing Mainstream Dynamic by Acuity Brands® – a simplified, holistic dynamic solution for mainstream applications. With exciting dynamic features once reserved for niche applications, you can now transform your everyday spaces with Warm Dimming, Tunable White and Architainment Color .

We've even taken it one step further. Dynamic lighting is complex, but Acuity has made it simple by offering you a complete solution that is easy to install, configure and maintain in mainstream applications. And because it's A+ Certified, you can rest assured that the interoperable Mainstream Dynamic solution will function – and the space will look – exactly the way you've envisioned.

The kicker? It's all from one company. Some may call this approach bold. At Acuity, we call it a game changer.

MAKING THE COMPLEX SIMPLE.

Historically, dynamic lighting has been difficult to do well. For the people who use it, the thing that matters most is not just that it works, but that it works seamlessly.

At Acuity Brands, our approach to Mainstream Dynamic is this: Make it effortless for end users by addressing all of the hidden complexity well before the product ever gets into your hands. We achieve this by testing and calibrating our solution components together, with a scrupulous eye on color and dimming consistency to safeguard design integrity.

Because our integrated luminaires and controls are designed to work together, we've virtually eliminated post-installation issues, ensuring you can bring your vision of an intelligent environment to life quickly – and with no call-backs.

THE FEATURES YOU WANT

THEATRICAL DIMMING
Set the mood and atmosphere by the use of graceful and sometimes imperceptible changes in ambient light levels to achieve smooth dimming all the way to dark

WARM DIMMING
Replicate the comfortable, familiar feeling of how traditional white sources warm in color as they are dimmed

TUNABLE WHITE
Reproduce natural light patterns and colors, complement materials and support productivity with white light featuring CCT control

ARCHITAINMENT COLOR
Paint with RGB and RGBW for saturated and pastel colors and movement to affect mood and scene setting

TUNABLE SPECTRUM
Add color to Tunable White to increase the palette when affecting mood, atmosphere and enhancement of a space

OPTIMIZED SPECTRUM
Shape the spectral power distribution to make live editing enhancements to physical spaces, and boost health-enhancing benefits, through lighting
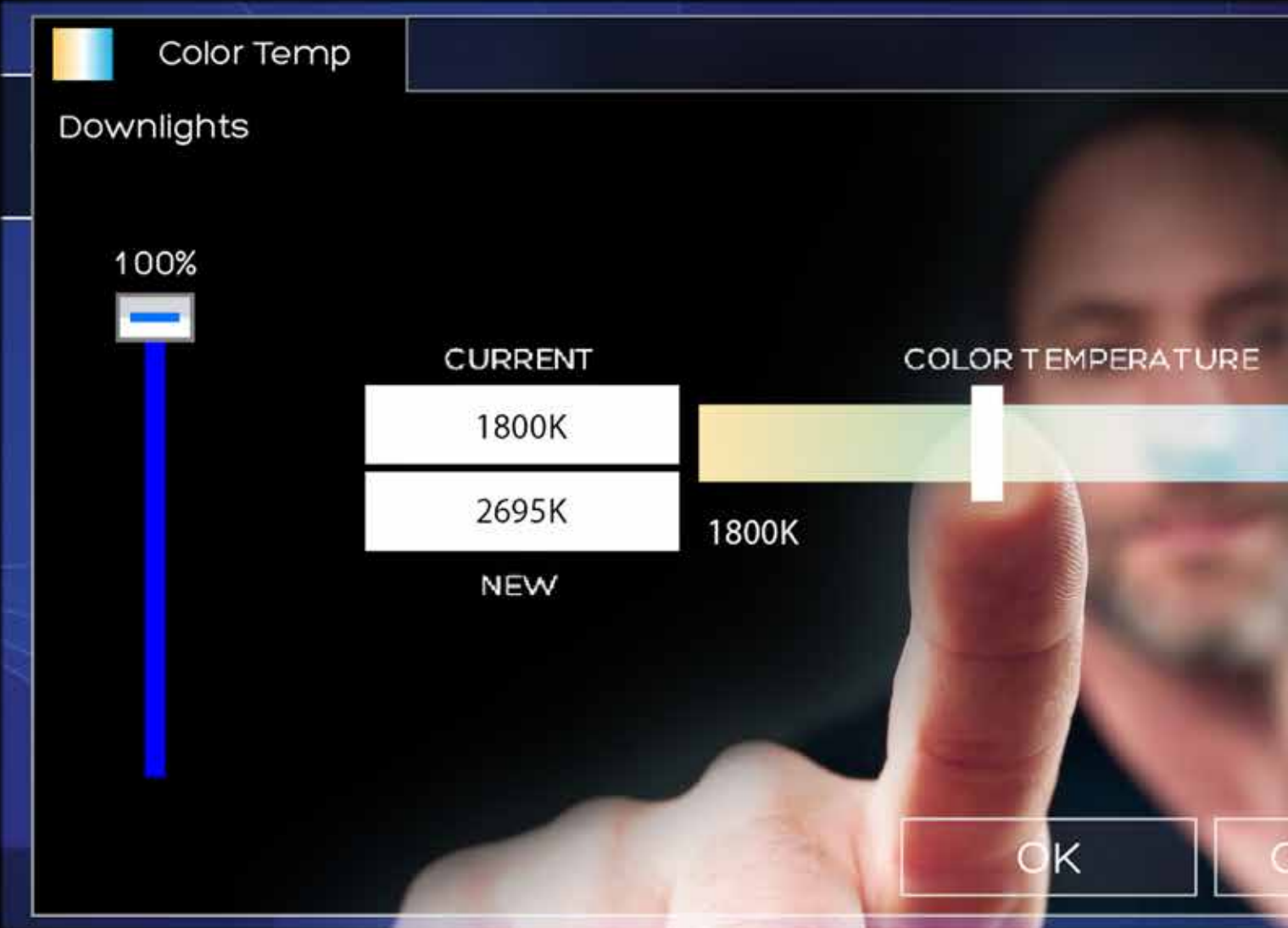
WE'VE SWEATED THE DETAILS, SO YOU DON'T HAVE TO.

Precise color control at the hands of a specialist is required to achieve many of the effects these features enable. With Acuity Brands Mainstream Dynamic this is a non-issue. For Warm Dimming, Tunable White and Architainment Color we have created simple, clear-cut controls for the non-specialist.

The controller speaks the same language all the way to the luminaire, ensuring accuracy and consistency.

The end user configuring the system will be presented with easy-to-use sliders on their controller, in natural language. Set the CCT to 3500K and the intensity to 100% and you have your starting point. Then, set the CCT to 2200K and the intensity to 10% and you have your end point. Simple.
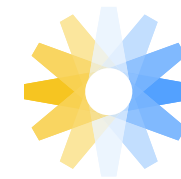
THE CONTROLLER SPEAKS THE SAME LANGUAGE ALL THE WAY TO THE LUMINAIRE, ENSURING ACCURACY AND CONSISTENCY.

ACUITY BRANDS MAINSTREAM DYNAMIC BEGINS WITH THREE EXCITING FEATURES:

WARM DIMMING

TUNABLE WHITE

ARCHITAINMENT COLOR

WARM DIMMING

Warm Dimming taps into innate human expectation that light sources warm up as their intensity is reduced. Reminiscent of evening light, Warm Dimming dramatically impacts the ambience of a space, evoking a more welcoming atmosphere.

Because of its ability to create inviting visual environments, Warm Dimming is ideal for Hospitality, Healthcare, Retail, Residential and Recreation applications.
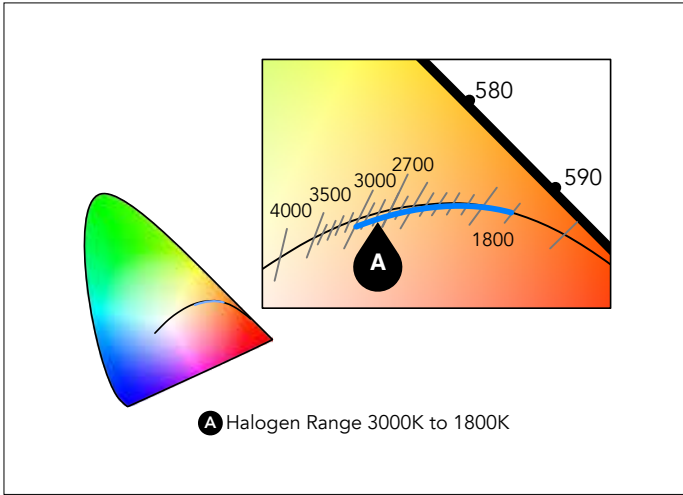
Used in forms where halogen and incandescent sources were previously employed, Warm Dimming is available in three ranges: Incandescent, from 2700K to 1800K; Halogen, from 3000K to 1800K; and Golden, from 2700K to 2000K.

WARM
DIMMING

Warm dimming is the dynamic feature that reproduces the comfortable feeling of traditional sources that warm as they are dimmed. For example, luminaires within the Halogen Range begin at a CCT of 3000K and smoothly shift to 1800K as intensity decreases.

580

2700
3000
3500
590
4000
1800

A

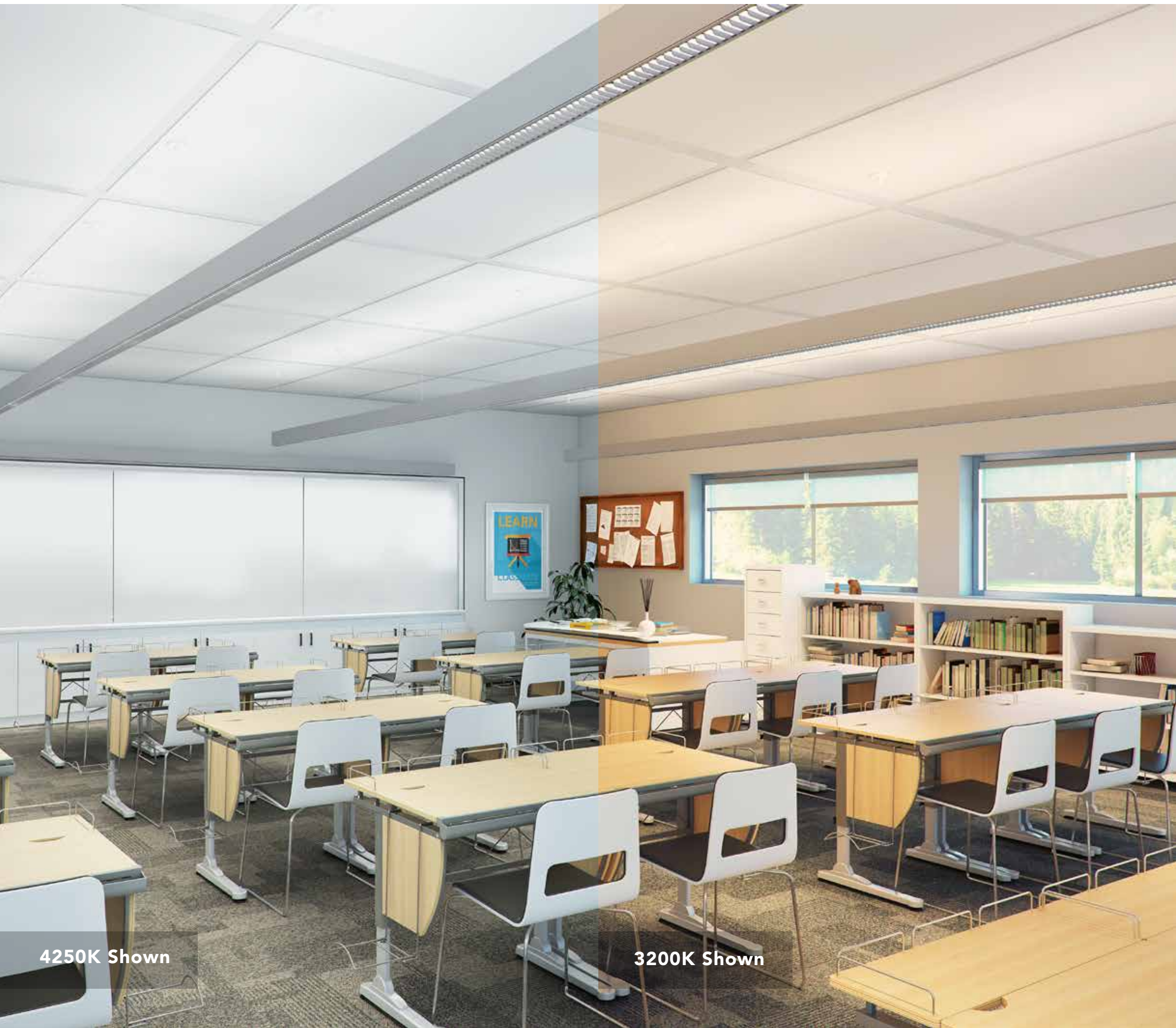**A** Halogen Range 3000K to 1800K

TUNABLE WHITE

At its core, cycled light encourages a deeper, biophilic connection to nature – a connection that's often missing from indoor environments. Tunable White fosters a sense of passage of time and enables the creation of scenes and modes that can be aligned with key activities that require occupants be more focused, relaxed or energetic, for instance.

Because Tunable White supports sleep/wake cycles and promotes an intellectually stimulating learning environment, its best used in spaces where occupant experience and performance are important. Tunable White is perfect for Healthcare, Office, Corporate Interiors, Education, Retail, Hospitality and Recreation applications.

Tunable White features four ranges: Rhythm, from 2700K to 6500K; Productivity, from 3000K to 5000K; Layers, from 2000K to 5000K; and Atmosphere, from 1800K to 4300K.
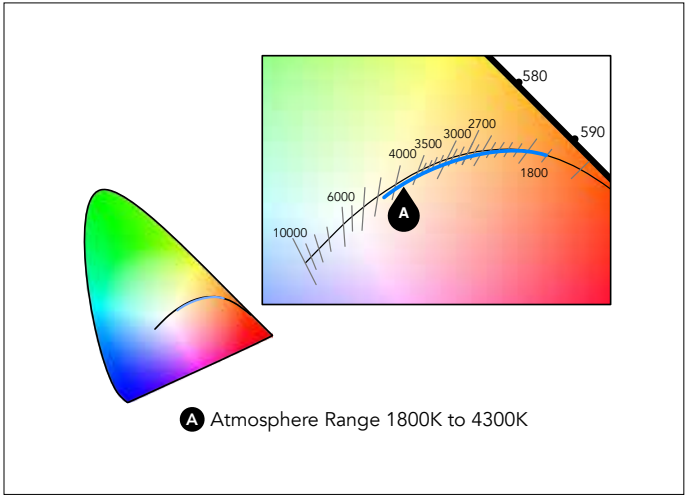
4250K Shown

3200K Shown

TUNABLE WHITE

Tunable White allows luminaires to produce, in the instance of the Atmosphere Range, white light from 1800K to 4300K and to shift seamlessly between CCTs along the Black Body Curve. Color temperatures can also be accurately set to any point within the range. Designers and facility operators can simulate the quality of light at different times of day to tie scenes to specific moods or activities, or to complement colors or materials within a space.

Ⓐ Atmosphere Range 1800K to 4300K

ARCHITAINMENT COLOR

When featured spaces call for visual drama, Architainment Color delivers. It demands attention, strategically drawing the eye to keynote spaces and highlighting architectural accents.

Architainment Color's bold color effects make it well suited for areas calling out for intensity, including applications such as Recreation, Gallery, Lobby, Atrium, Healthcare and Retail.
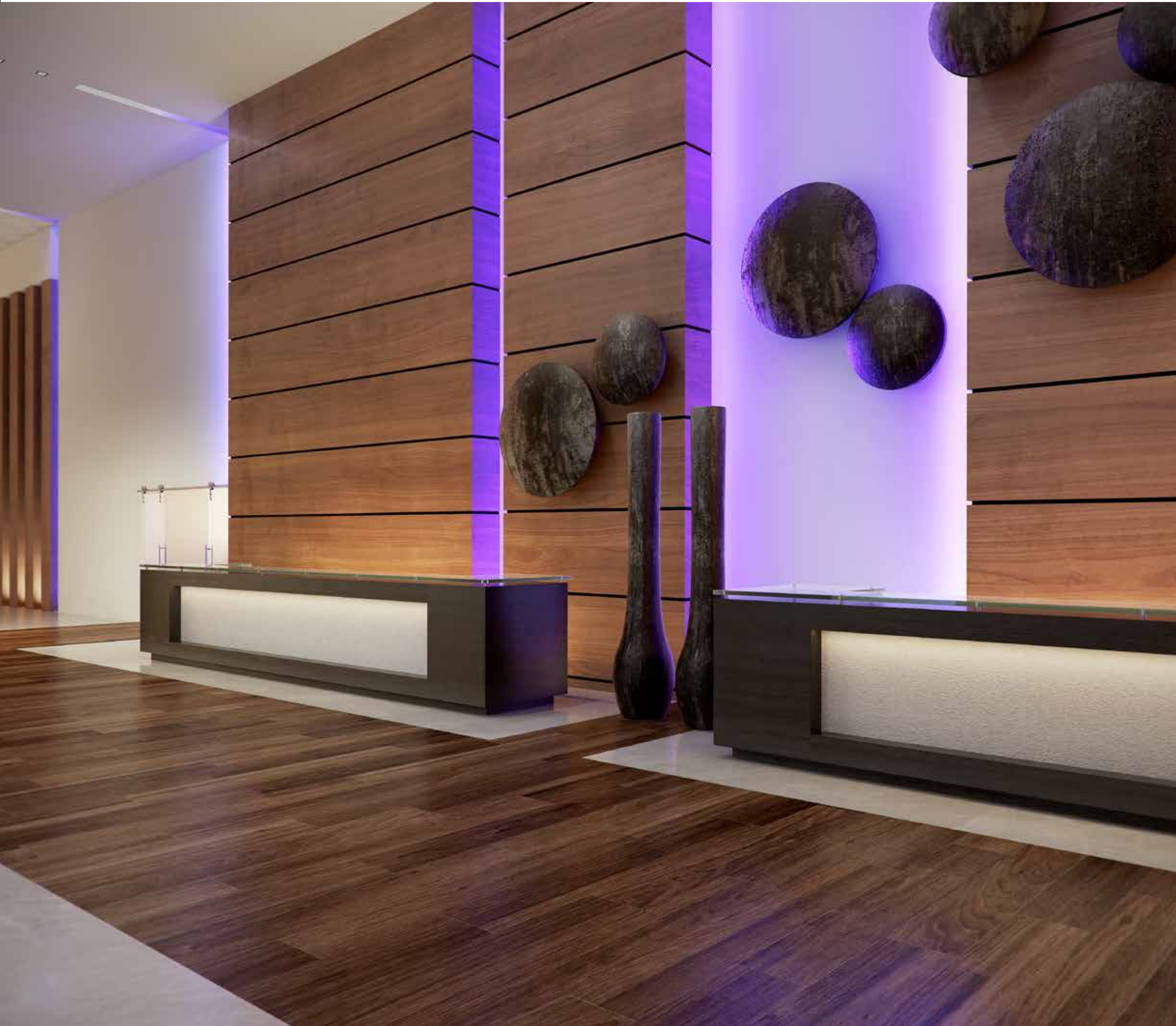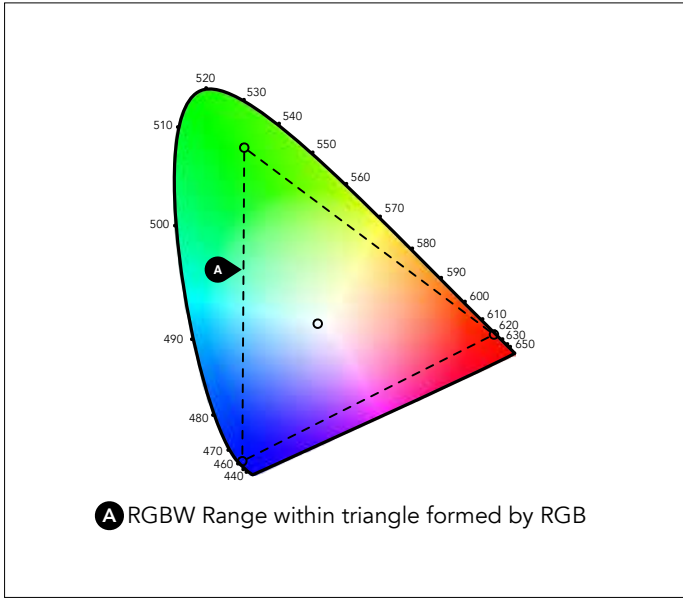
Architainment Color brings to the table a full palette, available in two ranges: RGB, offering saturated colors, and RGBW, featuring saturated colors and subtle pastels.

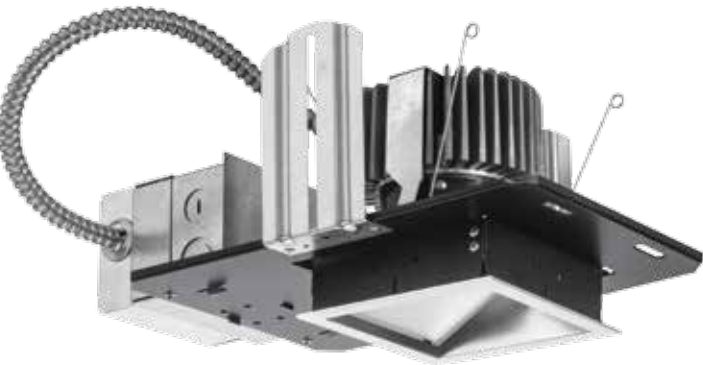**ARCHITAINMENT COLOR DEMANDS ATTENTION, STRATEGICALLY DRAWING THE EYE.**
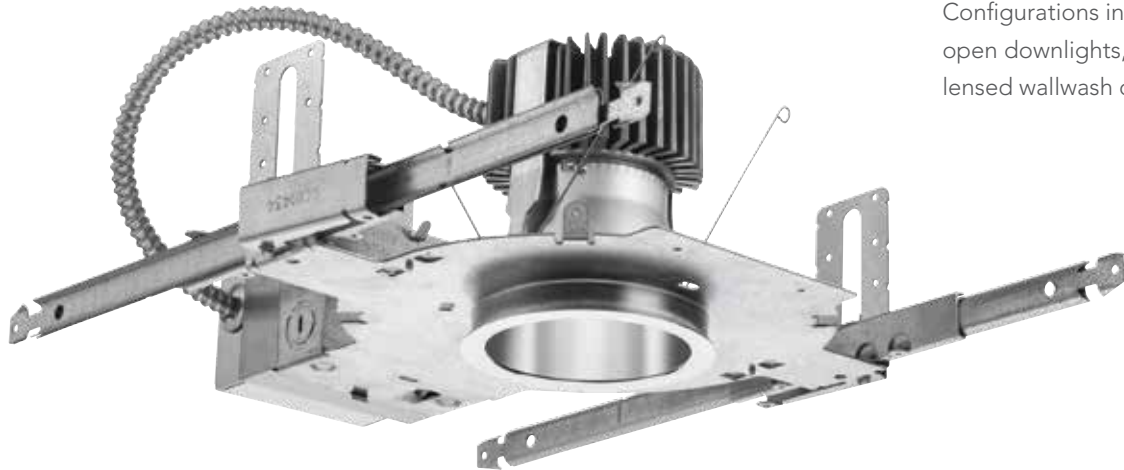
ARCHITAINMENT COLOR

Architainment Color takes the classic dynamic lighting effects so often seen in themed or theatrical settings, and makes them accessible for mainstream commercial applications. Here, designers have access to a full range of RGBW color and the ability to create bold transformational effects.

Ⓐ RGBW Range within triangle formed by RGB

THE FORMS
YOU PREFER

Gotham EVO® 4" Dynamic Square Lensed Wallwash

Mainstream Dynamic begins with downlighting. Gotham EVO® 4" luminaires are now available featuring Warm Dimming, Tunable White and Architainment Color.

Ideal for general ambient, wallwash and decorative illumination, EVO offers layers of light with soft, feathered edges. EVO featuring Mainstream Dynamic offers the same familiar distributions as the static EVO, maintaining a quiet ceiling with minimal glare. The quality of light is diffuse, comparable to compact fluorescent or an etched A-lamp.

Configurations include round and square open downlights, along with open and lensed wallwash configurations.

Gotham EVO® 4" Dynamic Round Downlight

THE SCALABLE NETWORKS YOU NEED

nLight™ WallPod

Fresco™ Touch Screen Controller

When it comes to dynamic lighting pitfalls, the control network can be the biggest one. The end user may not specify digital versus analog, but what they will care about is when their dimming is inconsistent, stepped, or presents unpredictable and unintended color shifts. For instance, if you've been using a 0-10V system, you have a problem: a non-digital network allowing small voltage drops to cause large color shift. A stable, intelligent network keeps all of this from happening.

In sum, if you want to control color, your lighting must be completely digital.

Mainstream Dynamic solutions from Acuity employ two proven, stable networks, Acuity Controls Fresco™ networked controls and Acuity Controls nLight® technology, depending on the desired features.

Fresco manages lighting for today's architectural spaces and puts the user confidently in control. Distinguished by its visual appeal and cognitive design, Fresco directly incorporates nLight devices and controls traditional light sources, LED, RGB, tunable white and moving luminaires.

nLight is a networked digital lighting control system that connects intelligent digital devices, including luminaires, occupancy sensors, photocells, power packs, wall switches, dimmers and panels; creating a system with an unmatched level of distributed intelligence.

ALL TOGETHER NOW

When it comes to Mainstream Dynamic, holistic thinking is essential.

Building a dynamic lighting system à la carte can lead to systemic problems that devour time and money. In many cases, fundamental incompatibilities can be completely unresolvable with the equipment at hand.

Acuity Brands is the sole lighting provider that unifies the right features, preferred forms and scalable networks to accomplish your vision, and only our A+ Certified interoperable system provides a completely turnkey solution for ease of specification and installation, ensuring compatibility and consistency.

The A+ Certified program is the first comprehensive testing and certification of lighting system interoperability that allows you to select, install and enjoy efficient lighting – quickly and confidently. With A+ Certified solutions, the fixtures and controls are certified to operate predictably and consistently together.

For a lighting application, A+ Certified means a verified consistent color appearance and dimming performance of all the fixtures within the certified solution. For lighting professionals, it means ease, freedom and confidence that all parts of a certified lighting system will operate together.

MAINSTREAM DYNAMIC

ONLY FROM ACUITY BRANDS.

TRANSFORM YOUR
EVERYDAY SPACES.

**BRING YOUR VISION
TO LIGHT, WITH
MAINSTREAM DYNAMIC
FROM ACUITY BRANDS.**

**For more information visit
acuitybrands.com/mainstreamdynamic**

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