

ACULUX®



# Showcase

## INSPIRATION BOOK





ACULUX®

Quiet ceilings that inspire...



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Founded in 2001,  
Aculux prides itself on  
manufacturing award-  
winning, precision  
recessed downlights  
that can elevate any  
space and evoke  
emotion.

# Defining Precision

Precision is a state of mind at Aculux. We pride ourselves for our innovative solutions and quality luminaires. With patented precision aiming and adjustment features, light can be directed exactly as desired. Artwork, architectural features, or merchandise displays can be presented with an unprecedented depth and sparkle as intended, while adding an extra touch of elegance to residential, retail boutiques and high-end commercial interiors.

# Elegance. Always.

Aculux architectural luminaires are distinguished by the sense of quiet elegance and sophistication they create. Every recessed luminaire we make marries precision lighting technology with discreet presence and style, all so you can influence how a space functions and provokes emotion, elevating it, giving it that rare feeling of refinement.

# Performance Driven

Delivering the ultimate performance is integral to the Aculux brand promise and a core consideration in our development process. As category leaders, every one of our recessed luminaires is designed to incorporate the latest lighting technology to deliver high quality lighting and reach its full potential without compromise. Aculux premium luminaires perform only at the very highest level.



# Indisputably stunning

Designed and engineered specifically for residential, hospitality, and corporate interiors, Aculux provides a touch of elegance and sophistication that lights up a room. Aculux precision luminaires were among the first to offer discreet LED recessed adjustables featuring precision geared aiming and field interchangeable optics. Aculux precision recessed luminaires have always led the industry in performance, delivering the highest center beam candlepower and lumens from smaller apertures while maintaining quiet ceilings that blend seamlessly into the architecture.

Aculux precision LED recessed lights feature a rare combination of lighting power, precision aiming and proprietary optics delivering quiet, best-in-class performance. A full range of downlighting, adjustable accent and wall wash applications create the kind of ambience uncompromising designers and customers are seeking.



**Project:** Private Residence  
**Location:** Westfield, IN



**Project:** Private Residence

**Location:** Westfield, IN





**Project:** Private Residence  
**Location:** St. George, UT  
**Specifier:** Kevin Meredith



"Aculux makes it a lot easier than other manufacturers to work with flangeless luminaires. The wood ceiling adapter allowed the contractor to trace and cut prior to the installation. And then I was able to simply adjust the adapter within the housing as needed."

**Kevin Meredith, Lighting Designer**



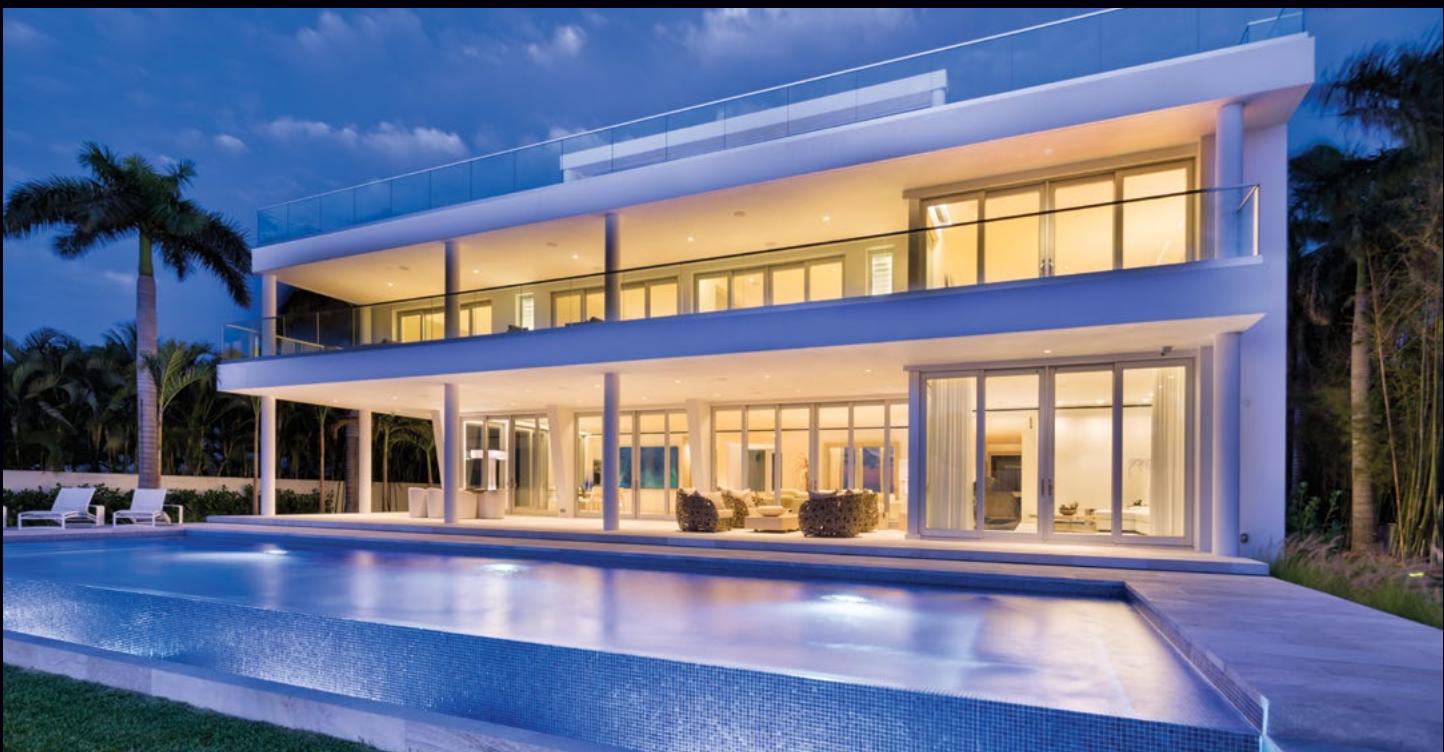


**Project:** One Madison

**Location:** New York, NY

**Specifier:** CentraRuddy / Yabu Pushelberg / Cooley Monato Studio





**Project:** Private Residence

**Location:** Key Biscayne, FL

**Specifier:** Diego Fernandez -  
Powerhouse Lighting





**Project:** Private Residence Loft  
**Location:** New York, NY



**Project:** The Art Hotel Denver, Curio Collection by Hilton  
**Location:** Denver, CO



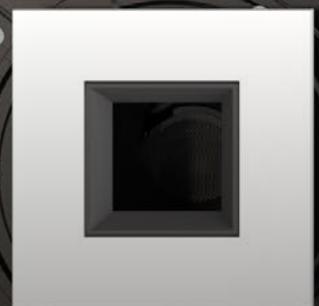
"It was essential that the architectural lighting didn't modernize the house," Schatz said. "It needed to be there – without being there – with absolutely no light pollution."

**Paul Schatz, principal at IDI Design Team of Interior Design Imports**



**Project:** Private Residence  
**Location:** Coronado, CA  
**Specifier:** Interior Design Imports





Next Generation  
Performance



# The ultimate in precision downlighting

The Aculux's line of precision recessed luminaires offers elegance, style, and performance. These superb fixtures are designed to provide highly efficient illumination while producing dramatic, space-enhancing lighting effects. Featuring precision gearing and adjustments, Aculux can put light precisely where you want it, whether you are highlighting a painting, sculpture, or tabletop ... or illuminating an entire room. And Aculux incorporates a unique adjustable platform that permits perfect fixture-to-fixture alignment. No other downlights can match the degree of precision adjustments offered by Aculux. Aculux apertures may be either round or square and are available in sizes from 2" to 4" all the way down to stylish pinholes.

Trim options range from nearly invisible tapered flanges to flush-mount designs that literally disappear into the ceiling. A spectacular collection of reflectors includes colors and finishes to complement any décor. Whether your look is contemporary or traditional, Aculux delivers stunning results quite distinct from standard recessed fixtures.

Aculux luminaires are designed for a wide range of light sources including ultra-efficient LEDs that offer unprecedented energy savings and service life.

These supremely versatile fixtures excel at general, task, accent and wall wash lighting for today's leading homes and are an ideal complement to the comprehensive Juno recessed lighting collection.



"We're extremely pleased with the outcome of this lighting design," Weinreber said. "The AX3 luminaires offer fantastic optics with a high level of refinement in the elegant surroundings. And we really appreciated the adjustability during installation. I had the opportunity to visit the restaurant when diners were onsite, and the Aculux lighting creates the environment we were seeking."

**Dan Weinreber, partner at KGM Architectural Lighting**

**Project:** Tony's Restaurant

**Location:** Clayton, MO

**Specifier:** KGM Architectural Lighting /

Bentel & Bentel



# Features



Aculux are the only downlights capable of delivering up to 3000 lumens and 32,000 centerbeam candlepower in a full range of downlighting, adjustable accent, and wall wash applications. Remaining discreet and inconspicuous, Aculux downlights create the kind of ambience uncompromising designers seek.

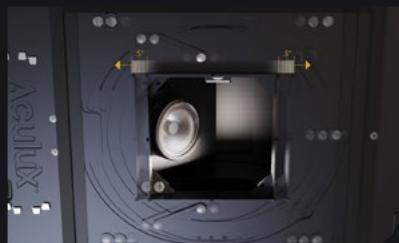
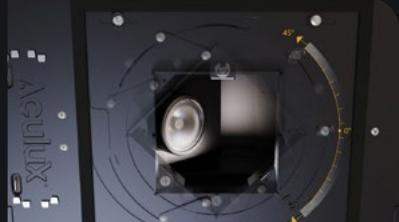
## Acu-Aim™ Precision Aiming

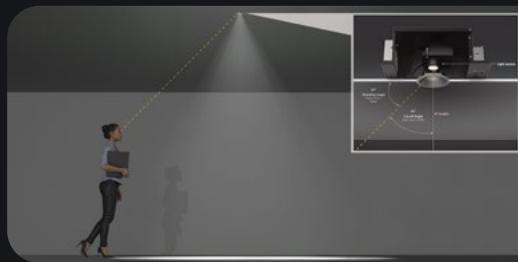
Aculux delivers a smooth, effortless aiming session. The precision geared aiming provides 45° vertical adjustment and 370° rotation. The optimized center-beam optics results in highly efficient, low brightness apertures absent of glare or flash.



## Tru-Line™ Precision Installation

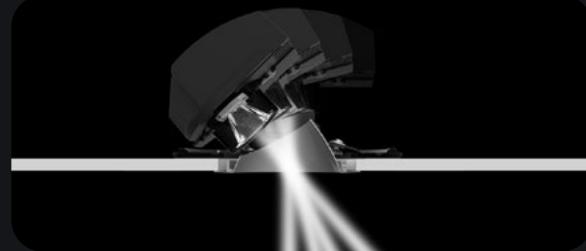
A precise design starts with a precise installation. The patented Pro-VI™ bar hangers, coupled with patented +/- 1/2" aperture translation and +/- 45° aperture rotation makes perfect fixture to fixture alignment achievable.





## Exceptional Glare Control & Brightness

Aculux precision LED recessed lights feature a deep source regression and maintain 45° visual cutoff to source and source image for superb brightness control creating a true quiet ceiling which offers dramatic visual impact for high contrast down & accent lighting.



## Spot On! Precision Optics

Now available with 11 smooth, striation free optical distributions. Use the high center-beam distributions for high contrast accent applications or utilize the wide batwing distribution for uniform general illumination. The wide batwing distribution provides 1.1 S:MH, equivalent to 80° distributions from competitors, without sacrificing visual cutoff.



## Superior Wall Wash Performance

The newly redesigned, Aculux asymmetric lensed wall wash is redefining wall washing by delivering exceptionally uniform, high levels of illumination while eliminating dark bands at the top of the wall and light spill onto the ceiling. The result is more dramatic illumination with greater design versatility to use fewer fixtures spaced further apart depending on the target illuminance level.

# LAYERS OF LIGHT

to evoke emotion....

All Layers of Light



Downlighting



Accent Lighting



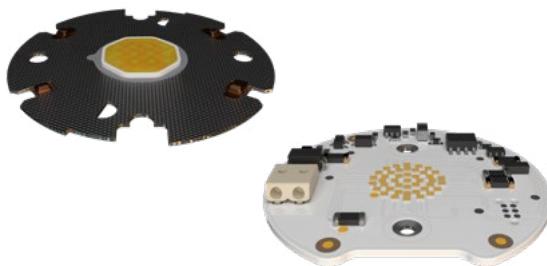
Wall Washing



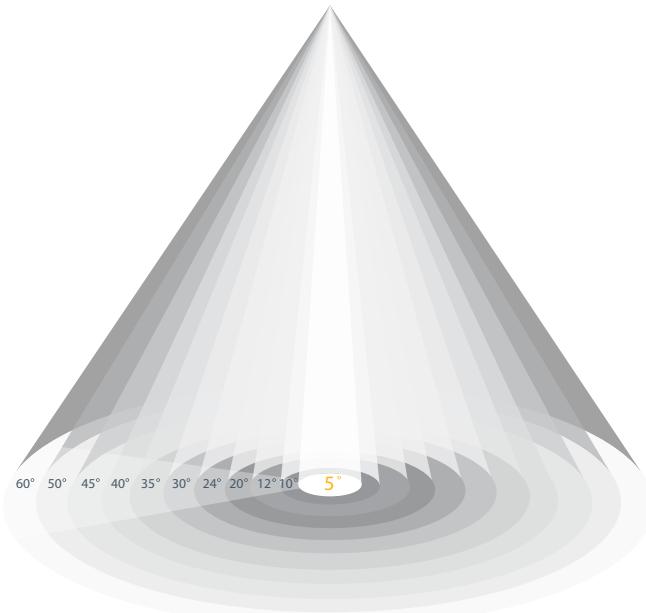
## TECHNOLOGY

*Inspired by Performance, driven by Precision.*

LED Lighting has enabled lighting manufacturers to continue to innovate and improve the world of lighting. Aculux utilizes 2 types of LED packages in order to achieve the perfect balance of lighting efficiency, color quality, and reliability: COBs and CSPs. Our high-density COB (Chip on Board) LED boards allow for a smaller LED chip footprint without sacrificing lumen performance; whereas CSP (Chip Scale Package) arrays enable us to deliver high intensity premium quality of light and color yet remaining efficient.

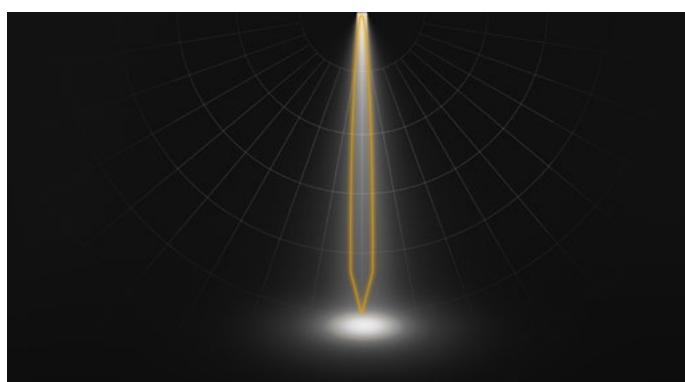


### Distributions



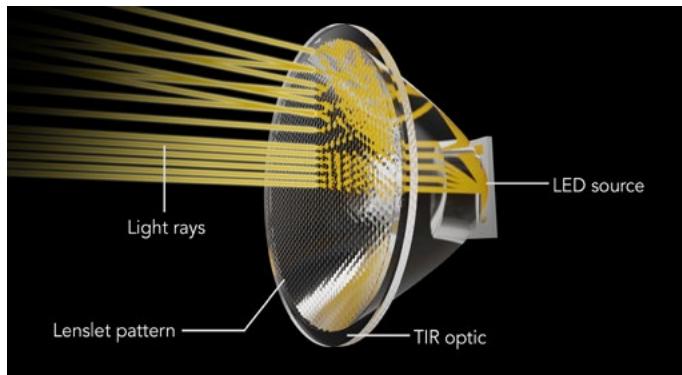
### Tight on target

Available down to a very narrow true 5° beam, AX Series downlights offer the tightest beam angles on the market for superlative precision and control. Six optional diffusing films broaden the distribution range from 5° to 60° designed to create contrast and accent.



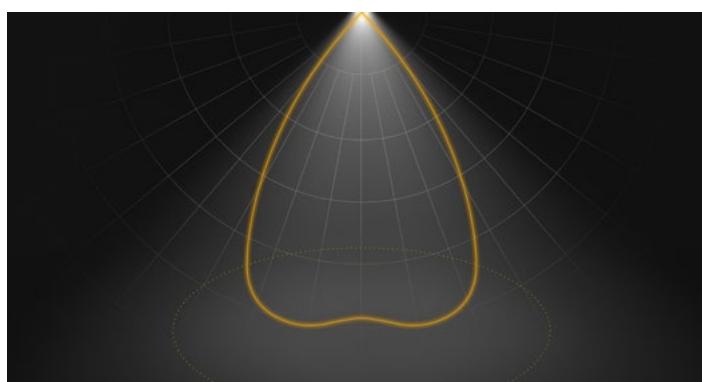
### Spot On! Optics

Aculux features TIR (Total Internal Reflection) optics technology to provide superior color mixing while delivering smooth and controlled, striation-free illumination. Field interchangeable and available in a wide range of distributions from a narrow true 5° up to a wide 60° or batwing distribution, Aculux enables you to take control of your design



### Batwing

A Batwing distribution is designed to provide even and uniform illumination over a wide area. This is particularly useful in lighting scenarios where consistent and balanced lighting is necessary, such as in office spaces, common areas, and lobbies. It helps reduce shadows and dark spots, creating a comfortable, yet enhancing the aesthetics of a space.



## Make Light Feel Right

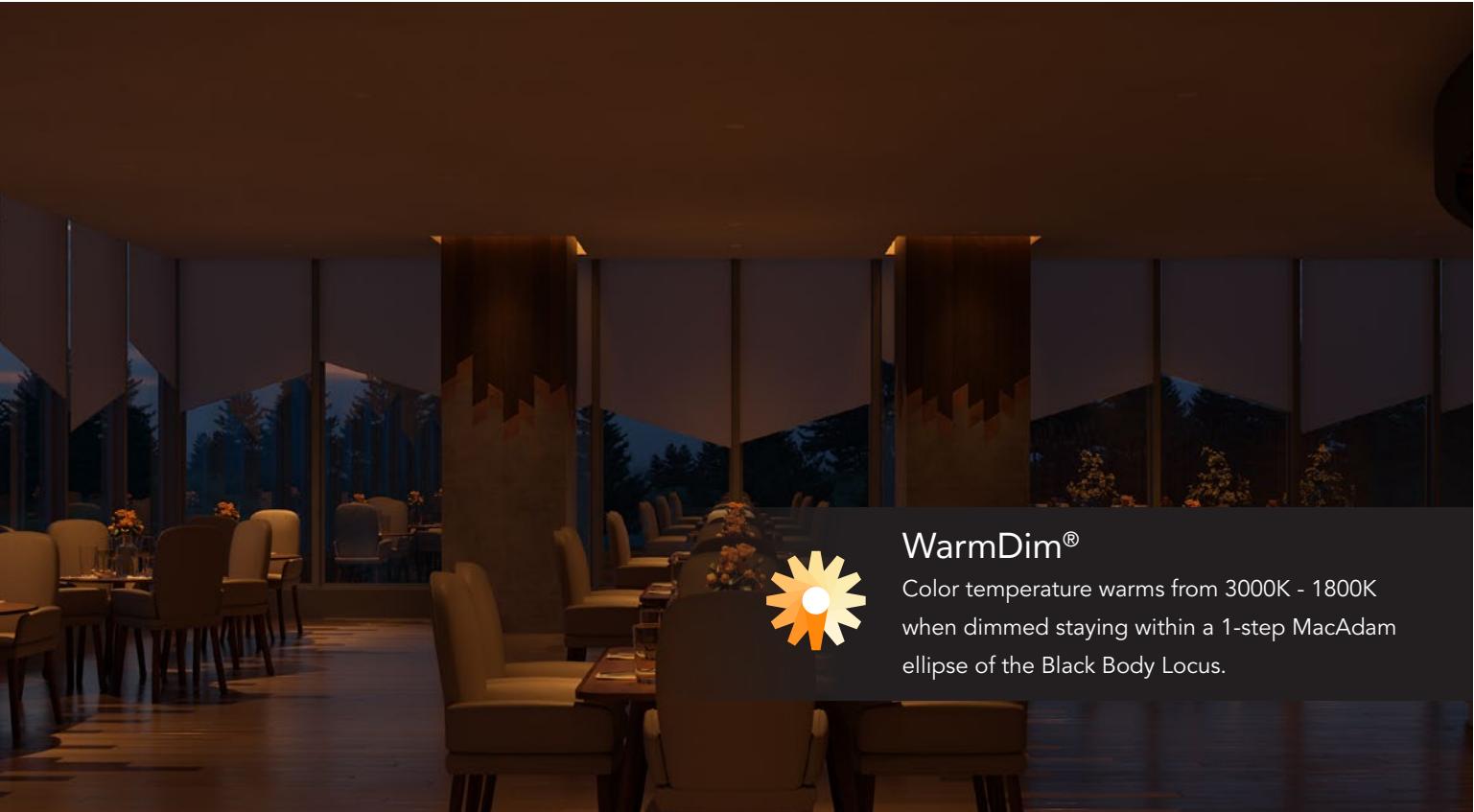
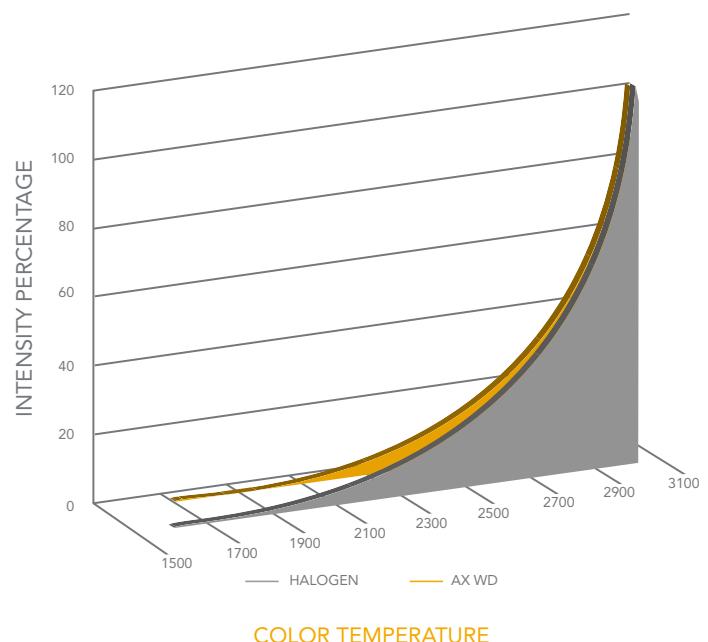
When it comes to how you feel, light means everything. Aculux is enhancing its AX3 and AX4 Series downlights with a new WarmDim® solution, where the color temperature warms perceptibly to a lovely evening glow as dimmed. Warmer light evokes the feelings of the setting sun, for a sense of coziness and comfort and enhances the ambiance of a space making it more relaxed and inviting. Cooler light improves energy and focus in task-oriented environments. Cycling between the two can balance the body's circadian rhythms for a feeling of greater wellness. Explore a whole new emotional dimension of light with WarmDim® and Tunable White from Aculux.

### Make the mood

Lower the lights and bring an enveloping warmth to any space with WarmDim. New proprietary solution for AX3 and AX4 series downlights, user-controlled WarmDim warms color temperature as light levels are reduced, capturing that warm evening glow and bringing a relaxed and welcoming ambience to a room.

### Halogen smooth

Better than any other, AX Series dimming delivers smooth, natural transitions to warmer colors similar to the halogen lights they successfully emulate.



### WarmDim®

Color temperature warms from 3000K - 1800K when dimmed staying within a 1-step MacAdam ellipse of the Black Body Locus.



### Tunable White

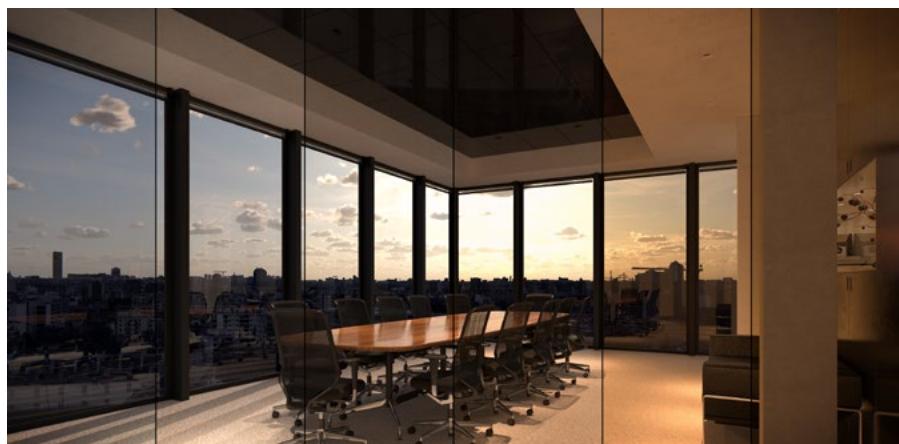
Color temperature can be tuned from 5000K- 2700K while staying within a 2-step MacAdam ellipse of the Black Body Locus.

## Right light, right energy

New Tunable white technology for the AX3 and AX4 series downlights allow for the selection of the correlated color temperature (CCT) and intensity of light to create a positive emotional impact on users. Cooler light is key to improved focus and concentration in learning and work environments, or to improve wakefulness during the afternoon lull. Tunable White controls allow the separate adjustment or programming of both CCT and intensity. Automated controls can be programmed to cycle between the cooler and warmer temperatures, optimizing performance and alertness when needed and gently transitioning to relaxation mode, emulating the body's 24-hour circadian rhythms.

## Dial it in

Choose any color temperature from 5000K to 2700K unlimited by manufacturer's presets, allowing you to enjoy precision control over the quality and feel of light.



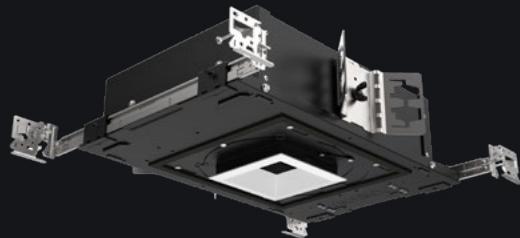


# The Aculux Family

Inspiring and executing the design intent of the most discerning designers, Aculux precision luminaires quietly enhance any environment by putting the right amount of light in precisely the right place.

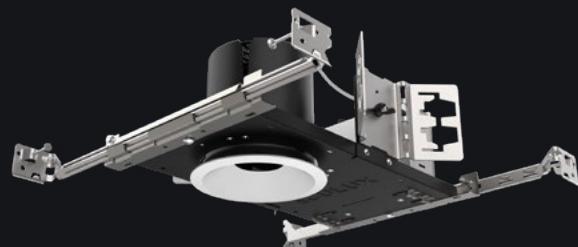
## AX Series

Aculux AX series is the most precise and highest performing family of architectural luminaires from Aculux. Designed for the most discerning lighting designers, available in 2", 3", 4" aperture sizes, each fixture gives the aiming precision and beam distributions needed to light the space.



## Initia™

Aculux initia™ is a comprehensive family of affordable and elegant 3-inch precision recessed luminaires ideally suited for budget sensitive projects demanding exceptional cutoff and glare control.



## Lini™

Lini™ is a series of miniature linear downlights comprised of 1-inch square apertures. Boasting exceptional cutoff and glare control, Aculux lini blends seamlessly and discreetly into any architecture.





## AX SERIES

Aculux precision LED recessed lights feature a rare combination of lighting power, precision aiming and proprietary optics delivering quiet, best-in-class performance. A full range of downlighting, adjustable accent and wall wash applications create the kind of ambience uncompromising designers and customers are seeking.



AX2

A compact 2-inch recessed luminaire that over delivers. With 1500 delivered lumens and adjustability usually associated with much larger apertures, this compact wonder ensures ample illumination while keeping ceilings quiet and elegant.



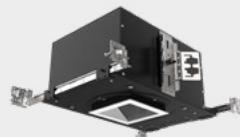
Multiples

Compact 2 & 3 head multisource 2" luminaires achieves up to 4500lm (1500 lumens per head). Rotate & tilt each head for maximum configurability. This multiples fixture provides flexibility and truly completes the AX2 family.



AX3

The AX3 from Aculux is the only 3-inch aperture capable of delivering up to 3000 lumens and 32,000 centerbeam candlepower in a full range of downlighting, adjustable accent, and wallwash applications. Remaining discreet and inconspicuous, the AX3 creates the kind of ambience uncompromising designers seek.



AX4

The AX4 series is the most precise and highest performing family of architectural luminaires from Aculux. Designed for the most discerning lighting designers, the newly enhanced best-in-class 4-inch aperture AX4 delivers up to 3200 lumens while offering more precise beams than ever before.



AX2



Multiples



AX3



AX4



Lumens

800 - 1500

800 - 3000

800 - 3200



CCTs

Static White : 2700K | 3000K | 3500K | 4000K  
 WarmDim: 3000K - 1800K  
 Tunable White: 2700K - 5000K



Distributions

15° - 50°

18° - 50°

12° - 60°  
 Wide Batwing (1.1 s/mh)



Dimming

0-10V | Phase | Lutron Ecosystem | Dali | DMX

### Downlight



Parabolic Cone



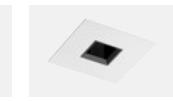
Hyperbolic Cone



Bevel

1-1/4" Pinhole  
1-3/4" PinholeParabolic  
Reflector

Bevel



1-1/4" Pinhole

### Adjustable Accent



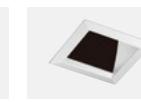
0-45° Angle Cut



0-20° Angle Cut



Bevel

1-1/4" Pinhole  
1-3/4" Pinhole

Angle Cut



Bevel



1-1/4" Pinhole

### Wall Wash



Lensed WW



Lensed WW

\* See specification sheet for specific trim options for each aperture size.

### ROUND FINISHES



White Paint



Clear Diffuse



Clear Specular

### SQUARE FINISHES



White Paint



Clear Diffuse



Wheat Diffuse



Black Diffuse



Black Specular



Wheat Diffuse



Flanged



Flangeless (Gypsum)



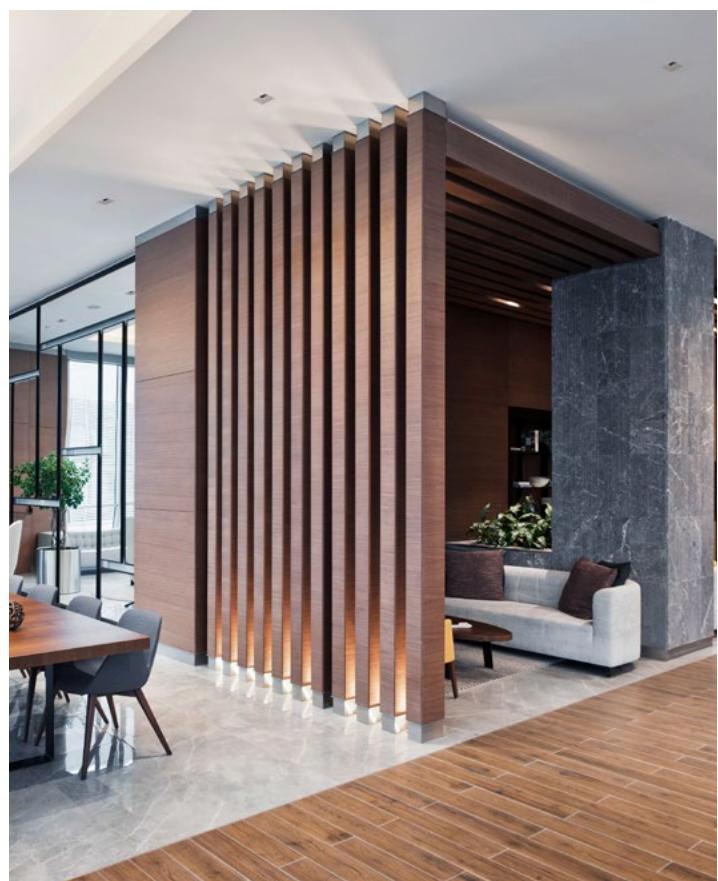
Flangeless (Millwork)

## Initia™

Aculux Initia 3" is our newest architectural luminaire suited for budget-sensitive projects while delivering exceptional performance and design flexibility. Available in New Construction, Non-ICAT/ICAT and Remodel, Non-ICAT housings.



Lumens	400 -1500
CCTs	Static White : 2700K   3000K 3500K   4000K WarmDim: 3000K-1800K
Distributions	18° - 50°
Dimming	0-10V   Phase   Lutron Ecosystem



### Downlight



### Adjustable Accent



### Wall Wash



### ROUND FINISHES



Black Specular

Wheat Diffuse

### SQUARE FINISHES



White Paint

Clear Diffuse

Wheat Diffuse

Black Diffuse

### FLANGE STYLE



Flanged

Flangeless (Gypsum)

Flangeless (Millwork)

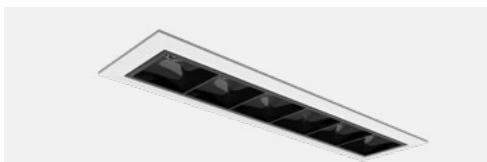
## Lini™

Aculux Lini is the only complete family of miniature linear recessed luminaires offering truly coordinated apertures. From the room side, the downlight, adjustable accent and wall wash all look virtually identical allowing you to provide all layers of light from a single linear downlight family. Lini adjustable accent luminaire is also bi-directional with +/- 35 degree tilt, providing the capability to accent vertical surfaces quietly and discreetly.

	370-2200
	Static White : 2700K   3000K 3500K   4000K
	15° - 50°
	0-10V   Phase



### Downlight



370 Lumens

1"

### Adjustable Accent



740 Lumens



1115 Lumens

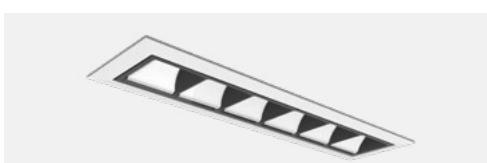


1480 Lumens



2230 Lumens

### Wall Wash



### FINISHES



Black Specular



White



Clear Specular

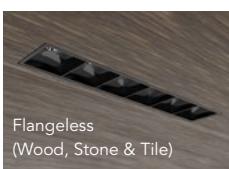
### FLANGE STYLES



Flanged



Flangeless (Gypsum)



Flangeless  
(Wood, Stone & Tile)



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# ACULUX®

Quiet ceilings that inspire...

