

ACULUX®

RESIDENTIAL LIGHTING & APPLICATIONS GUIDE

Precision Downlighting to Enhance Your Home



Aculux® Precision Recessed Lighting

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Lighting your Home to Inspire

Light is an invisible element that has a tremendous influence on your quality of life. Nowhere is this influence greater than in the interior of your home. How you illuminate it has everything to do with the look, feel and quality of your environment. Lighting professionals understand this and deftly use lighting to create mood and ambiance in addition to general illumination. For the architect, knowledge of a few lighting basics can go a long way toward achieving stunning results.



Things to Consider:

Know your space

Before selecting your lighting, you need a clear idea about what you want the lighting to do. Think about how you use each room, its architectural features, and the furniture layout. Consider the carpeting, fabrics, and colors; paintings, collectibles, and other forms of art. Ask yourself what architecture or artistic items do I want to highlight and what areas need functional light. There are lighting techniques tailored to every situation, and the first step is to understand your needs.

What you can control

There are three major aspects of lighting that you can control. First, there's the amount of light produced by your fixtures (measured in lumen output and footcandles). Next is the distribution of light (think spotlight vs floodlight and aiming ability). Finally, there's the quality of light, which refers to whether the light is warm, cool, or somewhere in between. By taking control of these elements, you can create the ideal lighting scheme for every interior space.

Glare Control

Glare can cause headaches and distract from the beauty of your home. The human eye is naturally drawn to the brightest thing in the room, so look for a light that doesn't create a bright dot of light on the ceiling, but efficiently shines the light into the room. This can be done with deep light source regression and visual cutoff from the trim to truly disappearing into the space.



Lighting in layers

Architectural lighting designs, seek to create spaces that are not only functional but also enrich the architecture, evoke emotion, or enhance user comfort and well-being. A common technique for approaching lighting design is to divide the lighting into layers. Any given space might incorporate one or multiple layers to create optimal lighting. For instance, a dining room can have linear fixtures in coves to expand space, or fixtures can be incorporated into casework to add sparkle to glassware. Recessed downlights positioned above tables and serving areas can be dimmed for a romantic dinner.

These layers of light work together to create an overall quality of light that is greater than the sum of its parts. With multiple lighting layers, you will always have just the right light for your specific purpose. And by balancing all the layers at your disposal, you can create just the right atmosphere for any occasion.

Downlights can be used to create layers of light within an application such as ambient, accent, perimeter, or task lighting. Let's take a look at the characteristics that define effective lighting for each layer.

General Lighting

General lighting sets the basic ambient illumination level of a space. It provides navigation and visibility. Without additional layers, the space can appear "flat".

Accent/Task Lighting

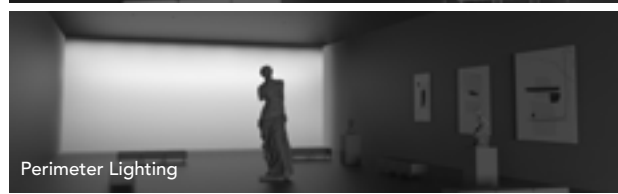
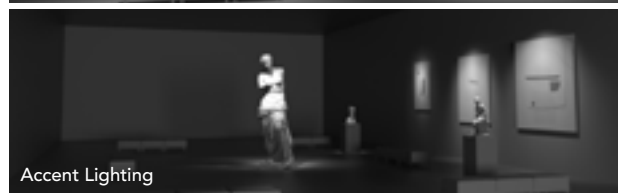
Accent / Task lighting can be aimed to create high contrast on work areas or objects of interest such as sculptures, paintings, and architectural details

Perimeter Lighting

Wall washing provides diffuse illumination of vertical surfaces such as walls, large paintings, cabinet fronts (glass not recommended). You can also graze a surface to inherently reveal texture on a stone fireplace or wall.

Decorative Lighting

Decorative lighting such as chandeliers or pendants provide general illumination and a lateral lighting element. (This Layer of Light isn't done with downlights and will not be covered in this guide.)



Designing Your Home with Layers of Light

General Lighting

General lighting sets the basic ambient illumination level of a space. It is important for circulation and functionality.

Uniform Downlighting

Uniform illumination provides a layer of ambient light typically used to provide general lighting on horizontal surfaces. It is important to note that, while useful, uniform illumination typically has the least visual impact on a space.

Non - Uniform Downlighting

Non-uniform downlighting provides the appearance of pools of light and can provide a more interesting visual appearance. Non-uniform illumination is generally accomplished with narrow downlights with the narrow optic spaced far enough apart so their beams do not overlap. Spacing is a function of the chosen beam spread and desired effect.



Uniform



Non - Uniform

8' - 10' CEILINGS

Use wide distribution downlights spaced approximately the same distance on center as the ceiling height.

10' AND HIGHER CEILINGS

For higher ceilings, narrower beam spreads are required. Medium and narrow light provide more concentrated light beams and are effective for uniform illumination from higher ceilings.

APPLICATION TIPS

Downlight fixtures are assigned a value called spacing criteria (SC). The SC is typically a number from 0.5 to 1.5. It indicates how close together fixtures need to be spaced in relation to the mounting height from the ceiling to the work plane or floor to achieve overlapping beams for uniform illumination.



Task / Accent Lighting

Task/Accent lighting is typically specified by the beam angle. These downlights typically feature rotation and tilt adjustability to aim the light at its intended target. Having both accent lighting and general illumination in a space creates visual interest, contrast, and the environment you are trying to create.

Task Lighting

Task lighting is used to illuminate work spaces when supplemental illumination is essential for performing tasks accurately, efficiently, and safely.

Accent Lighting

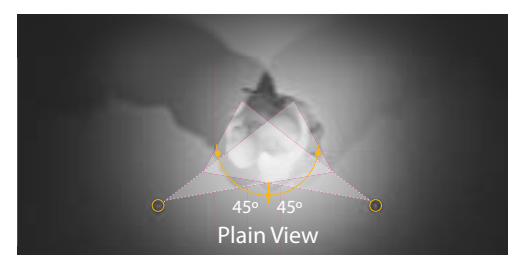
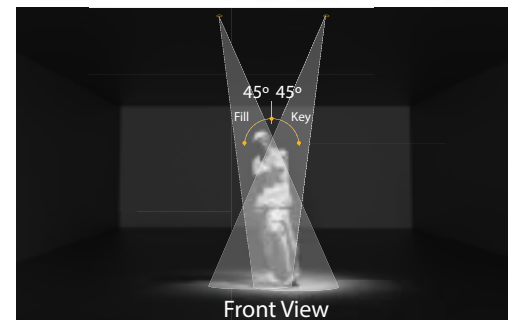
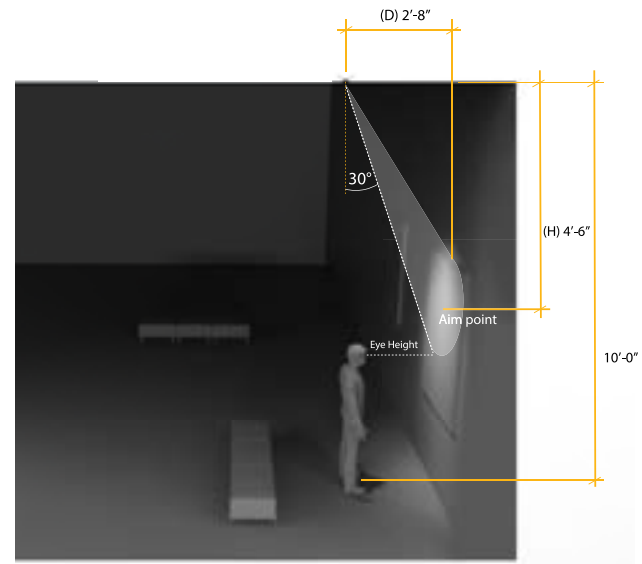
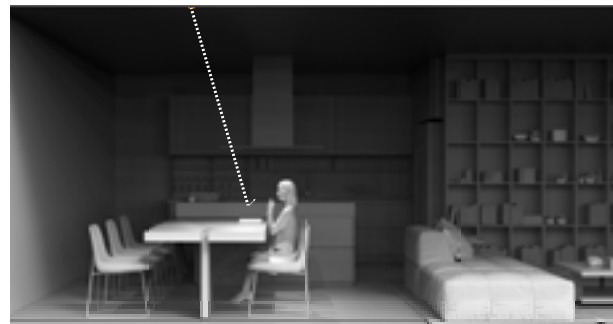
Accent lighting creates high contrast on objects of interest such as sculptures, paintings, collectibles and architectural details. Higher brightnesses like 3:1 or 5:1 ratios are used to create contrast. These fixtures often can be aimed and focused to precise locations.

Accent Lighting of Flat Artwork

Flat art is ideally illuminated by a light source striking its surface at a 30° angle. This eliminates reflected glare from vertical glass and prevents casting a shadow of the viewer onto the artwork. To determine the correct distance from wall to fixture you can use the formula listed below or the quick reference chart on the right. Formula to calculate luminaire distance from the wall for a 30° aiming angle where H = Distance from the ceiling to the aiming point and D = Distance from the wall to the center of the luminaire. (The aiming point is generally located at 1/3 down from the top of the picture or object.) $D = H \times .6$

Accent Lighting of Three Dimensional Objects

"Key and fill" is an effective technique for accentuating the three-dimensional character of an object. This technique uses key and fill lighting from two sides of the object. Key lighting is a "hard" accent light used to create shadows and highlight an object's form and texture. Fill lighting is a softer light directed from the opposite side of the object to soften the shadows, making the object appear more natural. Other techniques can also be applied to further accentuate unique features, such as silhouetting an object from behind with a wall wash.



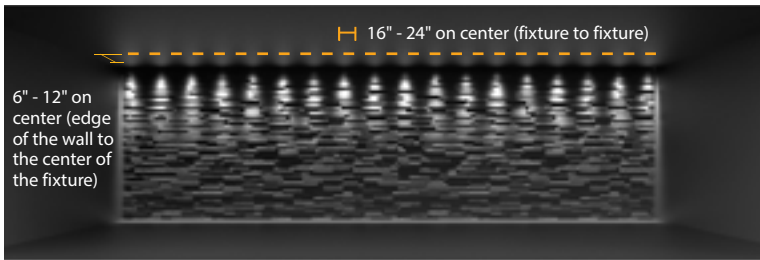
Perimeter Lighting

Wall Washing

Uniformly washing a wall with light is a very effective technique to create a sense of spaciousness or to draw people into a room. An ideal wall wash applies light evenly to the entire vertical surface without shadows, scallops or hot spots. Long walls, large paintings, murals, bookcases and shelving are all good candidates for wall washing.

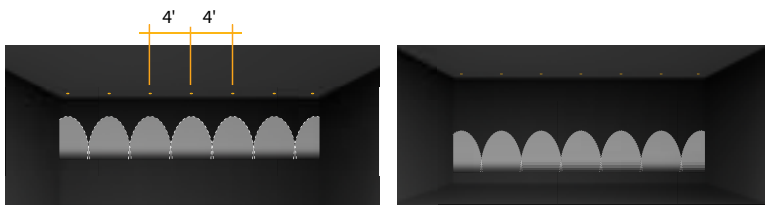
Grazing

By placing downlights closer to the wall, the texture of the brick, stucco, or stone can be revealed with a "grazing" effect. Medium distributions are a good source to use for grazing. (Note: Grazing on smooth surfaces is not recommended as it will magnify any surface imperfections).



Light Scallop

A row of downlights close to the wall will cause light scallops, which can add visual interest to a space. The more diffuse the light source and trim, the softer the scallop. You should also be mindful of the vertical location of the center of scallops relative to architectural features such as cabinet frames, doorways, windows, etc. The best scallop effect should be symmetrical and requires careful measurement and planning.



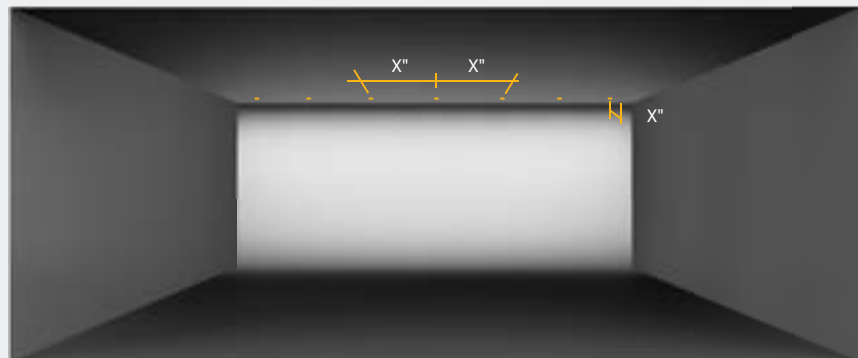
Well placed Light Scallops using 6" downlights

Scallops placed too low on wall with cause a "cave effect"



APPLICATION TIPS

Wall wash luminaires are usually spaced equal to the setback distance from the wall. Closer spacing leads to higher light levels with better uniformity. Generally, they are spaced 24" - 36" from the wall and 24" - 36" apart.



Recommended Illuminance Levels

Lighting techniques can enhance a room and create an ambiance, but it is important the light also provides functional illuminance too. When placing downlights, keep in mind locations where common tasks are completed like tables and counter tops. But also think about who will be occupying the space so you can meet everyone's lighting needs.

- Twenty to fifty footcandles are generally adequate to perform kitchen undercabinet tasks such as food preparation or paying bills.
- More detailed tasks such as sewing or craftwork require 50-150 footcandles.
- Accent lighting usually requires 20 footcandles or less.
- If the general ambient lighting is 30 footcandles, then a cabinet interior illuminated to only 20 footcandles will not appear illuminated. Conversely, in a darkened room, 20 footcandles will appear brilliant.
- As age increases, so does our need for light. A typical 65-year-old needs five times more light than a teenager to experience equal visual acuity.



Special Design Considerations

High Ambient Light Levels

The apparent brightness of a lighted countertop, cabinet interior, or cove will also vary depending on the amount of general room illumination. A minimum 3:1 ratio between the focus area and background is recommended to have visual impact. A 5:1 ratio makes the focus area appear twice as bright.

Dark Interior Finishes

A dark countertop and backsplash will absorb light from undercabinet fixtures and diminish its apparent brightness. Likewise, indirectly illuminating a dark wood-paneled ceiling from an architectural cove will be much less dramatic than illuminating a white ceiling. Providing increased levels of illumination can partially offset light absorption by dark surfaces.



LED Technology

WarmDim® and Tunable White

LEDs have different color characteristics that can affect the appearance and feel of a space. The color that an LED produces is expressed as its Color Temperature (CCT), in degrees Kelvin (K). Like an iron in a fire, the higher the temperature, the cooler the color of the light. You can purchase lights that change color temperature to evoke different moods or environments depending on the time of day.

Make the Mood

WarmDim warms color temperature as light levels are reduced, capturing that warm evening glow and bringing a relaxed and welcoming ambience to a room.

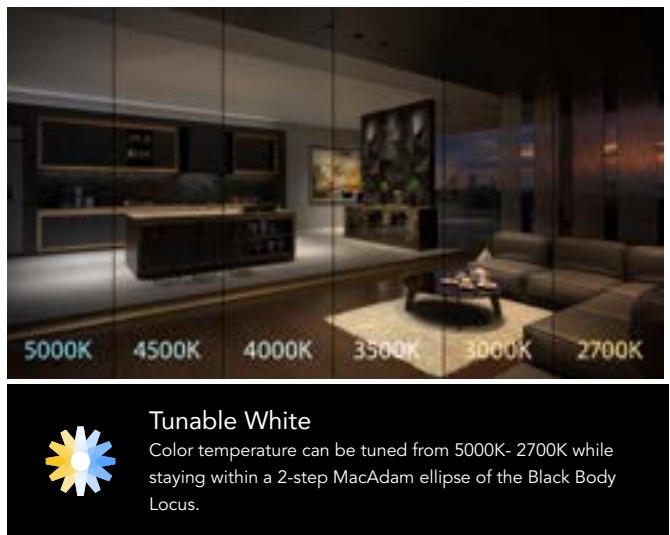
Warmer light evokes the feelings of the setting sun, for a sense of coziness and comfort and enhances the ambiance of a space making it more relaxed and inviting. Cooler light improves energy and focus in task-oriented environments. Cycling between the two can balance the body's circadian rhythms for a feeling of greater wellness

Right Light, Right Energy

New Tunable white technology allows the choice of any color temperature from 5000K to 2700K allowing you to enjoy precision control over the quality and feel of light.

Cooler light is key to improved focus and concentration in learning and work environments, or to improve wakefulness during the afternoon lull. 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.

This is great for kitchens and offices when trying to get work done during the day and want to relax at night.



General Installation Types

Available in Round and Square apertures in (Adjustable, Downlight, and Wall Wash) New Construction and Remodel luminaires.



Know Your Local Codes and Installation Requirements

When planning a lighting installation, it's crucial to understand local building codes, insulation ratings, and various installation requirements to ensure safety, efficiency, and compliance. Building regulations vary by region and can impact fixture placement, wiring methods, energy efficiency standards, and fire safety considerations. Insulation ratings, such as IC (Insulation Contact) and Non-IC, including spray foam determine whether a fixture can be safely installed in direct contact with insulation or requires spacing to prevent overheating. Additionally, different ceiling types, mounting conditions, and environmental factors influence the appropriate installation techniques. Consulting local codes, verifying insulation compatibility, and coordinating with contractors and electricians will help achieve a successful, code-compliant lighting design.

Compatible types of insulation

Fiberglass Insulation: A common and cost-effective insulation material made of fine glass fibers. It is available in batts or rolls and requires IC-rated lighting fixtures when in direct contact to prevent overheating.



Fiberglass Insulation

Loose-Fill Insulation: Made of materials like cellulose, fiberglass, or mineral wool, this insulation is blown into place and can settle over time. Special attention is needed for recessed lighting to ensure proper airflow and prevent insulation from covering non-IC-rated fixtures.

Spray Foam Insulation: A high-performance insulation that expands to fill gaps and create an airtight seal. It can retain heat, so lighting fixtures must be properly rated and installed with sufficient clearance to prevent overheating and maintain safety.

Wide Selection of Beautiful Trims



Flange Options



Flanged



Flangeless



Flangeless
(Millwork | Stone | Tile)

Finishes



Diffuse



Specular

Specular, a mirror-like finish offers the highest optical efficiency, but generally appears darker with more contrast against a white ceiling. They also are harder to keep clean and dust-free.

Diffuse appears more luminous and tend to have less contrast with the adjacent white ceiling and better hide dust and fingerprints

Colors



White Paint



Black Specular



Wheat Specular

- Parabolic reflectors can also be specified in multiple colors and finishes.
- White blends in the best with white ceilings but has the highest aperture brightness.
- Black has the lowest aperture brightness, creating a quite ceiling but causes a lumen loss.
- Bronze, wheat and gold colors visually warm the space and coordinates great with warmer-tone interior finishes.
- Clear, an aluminum color, tends to be more neutral in the space and the most efficient for light output.



Clear Diffuse



Clear Specular



White Paint



Black Diffuse



Wheat Diffuse



Clear Diffuse

Trims Styles

Recessed trims are available in a variety of basic aperture styles described below. The correct aperture style for a given application is partially dependent on personal preference.



Cones/Reflectors

Cones produce a low brightness aperture with a choice of polished clear, gold, black, haze, wheat haze or pewter. Clear and gloss white cones are the least conspicuous, gold provides a warm accent to a room, and black serves to more fully obscure the lamp and lamp image. Haze has a softer, cool appearance, depending on the light source, that blends with white ceilings. Wheat haze has a soft, warm appearance that coordinates with warmer-tone interior finishes.



Bevel

A bevel trim is a stylish and functional accessory designed to enhance recessed lighting fixtures. This trim features a gently angled or beveled edge that creates a subtle, clean transition from the light fixture to the ceiling. The beveled design not only adds a touch of modern elegance to any room but also helps to focus and direct light more effectively, reducing glare and creating a soft, ambient glow.



Pinholes

Pinhole Trims provide a tight punch of light from a concealed source. The aperture fits snug around the lamp which is recessed above the surface.



Adjustables

Several types of adjustable trims are available for accent and perimeter lighting. Eyeball style trims are the most economical. Gimbal rings and recessed adjustables provide excellent adjustability while concealing the light source.



Hyperbolic

Aculux leads with unmatched innovation in architectural downlighting. With the invention of the patented hyperbolic reflector Aculux changed the look of downlighting from bright dots in the ceiling to Silent Ceilings™ that yield prominence to the architecture and space design. This follows the very basic purpose of downlighting: hiding the luminaire while enhancing the effects of the light.



Wall Washers

A variety of wall wash trims are designed to provide even ceiling to floor illumination of vertical surfaces without light scallops. The scoop wall wash is the most economical. Specular clear kicker reflectors direct light toward wall surface and provide a combination of efficient downlighting and wall wash illumination.

Kitchen

Downlights are one option for task lighting, here are some things to keep in mind.

Enhancing the Architecture

Notice how the miniature linear downlights visually reinforce hard linear architectural lines of the wood beams? Square apertures can be quite attractive and can dramatically enhance the interior architecture, but more care needs to be taken to locate, orient, and perfectly align them with the architectural elements in the space.

Task Lighting

Placement of recessed downlights to facilitate tasks is critical. For counter or work surface tasks, recessed fixtures should be placed between the cabinet face and the front edge of the counter. This position avoids casting of shadows and minimizes veiling reflections. Medium distribution beams will light inside of cabinets and also highlight cabinet detail, providing light on the vertical surface.



Correct



Incorrect

USEFUL TIP: High Gloss Surfaces

For high-gloss countertops and backsplashes, place the fixture at the front edge of the cabinet to minimize glare reflecting into the eyes of someone working at the counter. Keep in mind that shiny dark surfaces act like a mirror and will reflect any source of light that is placed above them. How the reflected image of one fixture appears vs. another is subjective.





Dining Room

Supplement the light from pendants and chandeliers with downlights to highlighting centerpieces and place settings. Lighter spaces will appear brighter and larger and can be illuminated using fewer lumens. Spaces with darker surfaces will absorb a high percentage of light and require more lumens and a creative design to make them feel properly illuminated.

Task Lighting

When lighting tasks in front of people, such as on a tabletop, it is important to locate downlights in front of the person so as not to cast unnatural/unpleasant shadows. When lighting paper-handling tasks, adjustable downlights should be placed on each side of the task to minimize glare and veiling reflections. cabinets to produce sparkle and spaciousness.



A Minimalist Look

Many architectural grade downlights today can be specified with a flangeless option for installation in different ceiling materials, such as gypsum, metal, wood, or marble to create a very clean, minimalist design. Lower ceilings are a good place to install these trims as they help keep a more visible ceiling clean. A flangeless trim can look like it is part of the ceiling as they are also flush to the ceiling. This helps redirect your visual attention to more important architectural features.





Living Room

Provide illumination for the most dramatic room of the home. In addition to general lighting, use downlights to emphasize focal points, dramatize artwork, end tables and collectibles. Use them to graze the surfaces of brick, stone, or stucco to accentuate textures and add contrast. So, think first what you would like people to see, and then apply the lighting to create a visual hierarchy within the space to support your vision.

Accent/Cove

Use narrow- beam downlights with higher light-output and adjustable trim to dramatize artwork, end tables and collectibles. Establish a mood with downlighting or linear lighting by illuminating architectural features such as columns, niches, and coves. Add miniature fixtures to built-in casework to add sparkle and further expand interior spaces. Use narrow-beam downlights with higher light- output and adjustable trim to.

Lighting wall-mounted artwork with tight beam distributions from recessed adjustable fixtures to add a dramatic appeal in the room. Small aperture downlights into china cabinets to produce sparkle and spaciousness. what was once strictly task lighting is now also used as accent lighting for granite, hardware, tile, backsplashes, and other fine finishes to provide an element of sparkle and vitality. The amount of perceived light from undercabinet, accent, and cove lighting will vary greatly depending on the reflectance of surrounding surfaces adds visual interest. can be used to wash the walls with light, creating a brighter, more spacious environment. And downlights can be positioned to The eye is naturally attracted to the brightest object in the space first, then the next brightest, and so on.

Undercabinet Lighting

Cabinets and shelves create dark cavities that can detract from the aesthetics of a room. By illuminating these cavities, you can create visual interest and a sense of spaciousness and, in addition, can highlight objects of interest

USEFUL TIP: Creating An Ambiance

Consider a WarmDim™ fixture in the living room, 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.





Bathroom

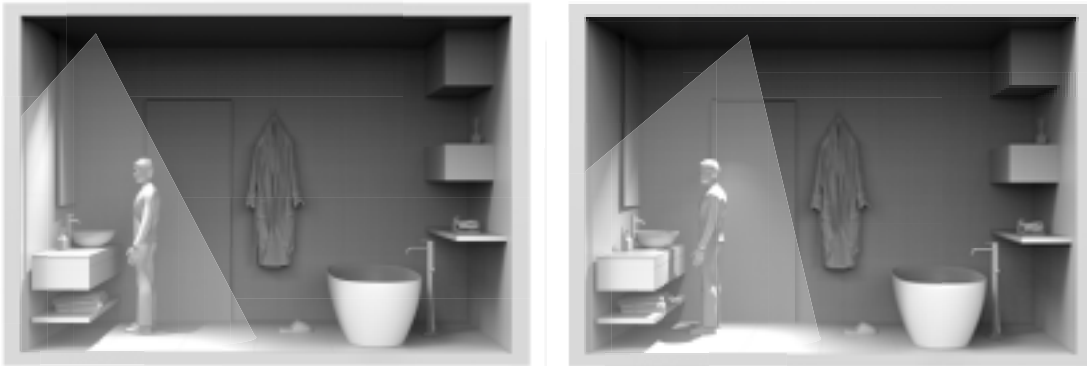
Shower Light

Lensed downlight fixtures approved for wet locations may be mounted in showers and above baths and whirlpools.

Reflective Surfaces

Keep in mind that shiny dark surfaces act like a mirror and will reflect any source of light that is placed above them. For high-gloss countertops and backsplashes, place the fixture at the front edge of the cabinet to minimize glare reflecting into the eyes of someone working at the counter.

When lighting tasks in front of people, such as on a tabletop, it is important to locate downlights in front of the person so as not to cast unnatural/unpleasant shadows. For grooming at a vanity or mirror, provide fill lighting from a diffuse source, such as a wall sconce. Accent hardware and countertops with recessed narrow beams.



USEFUL TIP

Proper downlight placement combined with soft, flat light from wall-mounted fixtures fills in facial shadows when using mirrors.





Outdoor Covered Areas



In outdoor spaces make sure to spec a corrosion resistant, non-conductive reflector for harsh marine and outdoor environments. Integrated lensing prevents ingress of water and other debris, protecting LED and electrical components and extending overall life of downlight. IP65 dust and water rated withstands direct water spray.





Why Aculux?

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 have a well-deserved reputation for quality and innovation in the world of architectural lighting and 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.

The Aculux Family is available in round or square, single or multiples, with an abundance of elegant trim options. General illumination, accent lighting, functional task lighting, wall washing... Aculux will put exactly the right amount of light in precisely the right space.

Downlights can be used anywhere, however their greatest impact is the advantage they provide by controlling optical distributions to add light onto surfaces or remove light from surfaces, as well as the ability to reduce glare and optimize visual comfort in the space.



Brand Pillars

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.

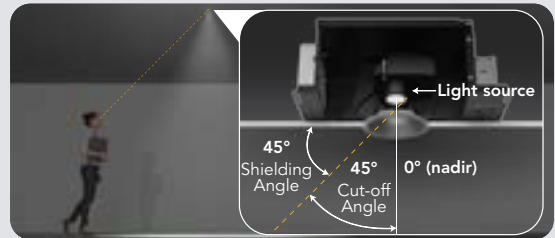


Features

Aculux downlights lead the industry delivering up to 3200 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 ambiance uncompromising designers seek.

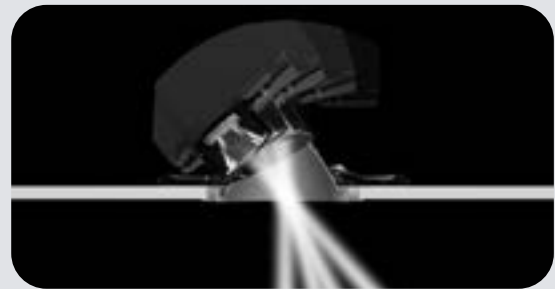
Exceptional Glare Control & Brightness

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



Spot On! Precision 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.



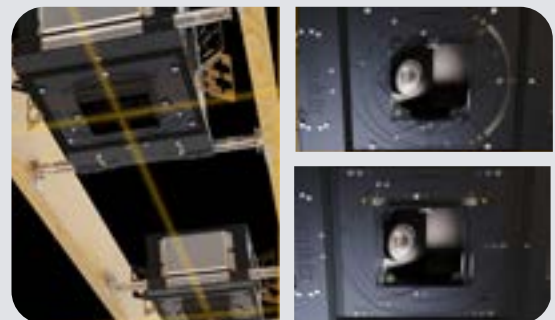
Acu-Aim™ Precision Aiming

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. This is why Aculux has patented Pro-VI™ bar hangers, coupled with patented +/- 1/2" aperture translation and +/- 45° aperture rotation makes perfect fixture to fixture alignment achievable



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.

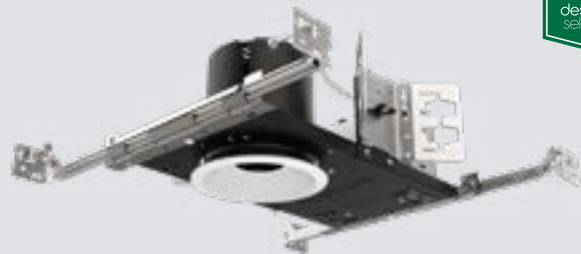
AX Series

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.



Design Select

Our Design Select program has select Aculux Initia luminaires available to ship in 15 business days. Keep tight timelines and win more opportunity business with a brand well-known for its performance, precision, and elegance. See the program details for more information.

Aculux® AX2 Architectural Downlights

A comprehensive 2" LED family available in round and square apertures capable of providing exceptional downlighting, adjustable accent, or wall wash illumination, these discrete recessed luminaires are available in new construction, remodel, and multihead configurations.

The Aculux® 2-inch LED precision downlight and wall wash luminaire is discreet and aesthetically stunning, delivering

up to 1,500 lumens of high precision downlighting. State-of-the-art LED technology offers superb color-consistency within 2 step MacAdam ellipse. These luminaires perform as well as or better than conventional recessed fixtures two or three times their size. The efficient optical system provides superior beam control. Precision installation platform facilitates perfect fixture to fixture alignment.



New Construction
IC Rated



New Construction
Non-IC Rated



Remodel
Non-IC Rated



Multiple
2-Head & 3-Head



2" Round Adjustable & Wall Wash Housings

Example: AX2 A G2 12LM 30K 90CRI 24D FPC 120 CP ICAT 2ABV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ²	Ratings	Options
AX2 A G2 New Construction Adjustable & Wall Wash	08LM 800 lumens	27K 2700K	80CRI	15D 15° beam	ZT 0-10V 1% min FPC Phase Cut Dimming 1% min	120 MVOLT (120-277)	(blank) Non-IC Rated CP ICAT ³ IC Rated, Air-Tight, Chicago Plenum	NLIGHT ⁴ nLight Dimming (must mount remotely) E6WT20R ⁵ Emergency 6W battery pack with remote test switch, T20 compliant
	12LM 1200 lumens	30K 3000K	90CRI ¹	20D 20° beam				
	15LM 1500 lumens	35K 3500K		24D 24° beam				
		40K 4000K		30D 30° beam				
				35D 35° beam				
AX2 AR G2 Remodel Adjustable & Wall Wash				40D 40° beam				
				45D 45° beam				
				50D 50° beam				
				55D 55° beam				
				60D 60° beam				
				60D20D 60°x20°				

Adjustable Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflector 2AC Angle Cut Reflector	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange Flangeless⁶ FM Flangeless	(blank) Open Damp Location WET Lensed Wet Location	NEW CONSTRUCTION Flanged (blank) Ceiling Thickness 0.50" - 0.75" CTA2/120 Ceiling Thickness 0.75" - 1.20" CTA2/150 Ceiling Thickness 1.20" - 1.50" Flangeless (Gypsum) FMA2/075 Ceiling Thickness 0.50" - 0.75" FMA2/120 Ceiling Thickness 0.75" - 1.20" FMA2/150 Ceiling Thickness 1.20" - 1.50" Flangeless (Wood Stone Tile) (blank) Ceiling Thickness 0.50" - 0.75" CTA2/120 Ceiling Thickness 0.75" - 1.20" CTA2/150 Ceiling Thickness 1.20" - 1.50"
	Upper Reflector (Shield) Finish BD Black Diffuse	Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless⁶ WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Lensed Wet Location	
Bevel 2ABV Bevel Adjustable				REMODEL Flanged (blank) Ceiling Thickness 0.5" - 1.5" Flangeless (Gypsum) FMA2R Ceiling Thickness 0.5"-1.5"
Pinholes 2APIN 1 1/4" Pinhole Adjustable				
2APINLG 1 3/4" Pinhole Adjustable				

Wall Wash Trim	Reflector Finish	Flange Style/Finish	Environment
Wall Wash 2WW Architectural Wall Wash	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange Flangeless⁶ FM Flangeless	(blank) Damp Location

*Must specify 24D beam with wall wash trim

Ordering Notes:

- 90CRI available on 27K and 30K only.
- MVOLT standard on ZT. 120 standard on FPC.
- CP ICAT available on new construction only.
- nLight compatible with ZT only.
- Not available with Remodel, CP ICAT or NLIGHT. Top access required.
- Flangeless trims in drywall ceilings must specify ceiling installation (FMA2 for New Construction; FMA2R for Remodel). Flangeless for Wood, Stone, Tile available for New Construction only.

AX2 Architectural Downlights

2" Round New Construction Downlight Housings Example: AX2 D G2 12LM 30K 90CRI 24D FPC 120 CP ICAT 2DBV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ²	Ratings	Options
AX2 D G2	08LM 800 lumens	27K 2700K	80CRI	15D 15° beam	ZT 0-10V 1% min	120	(blank) Non-IC Rated	NLIGHT⁴ nLight Dimming (must mount remotely)
New Construction Downlight	12LM 1200 lumens	30K 3000K	90CRI¹	20D 20° beam	FPC Phase Cut Dimming 1% min	MVOLT (120-277)	CP ICAT³ IC Rated, Air-Tight, Chicago Plenum	E6WT20R⁵ Emergency 6W battery pack with remote test switch, T20 compliant
Remodel Downlight	15LM 1500 lumens	40K 4000K		24D 24° beam 30D 30° beam 35D 35° beam 40D 40° beam 45D 45° beam 50D 50° beam 55D 55° beam 60D 60° beam 60D20D 60°x20°				

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflectors		Flanged		NEW CONSTRUCTION
2DP Deep Downlight Reflector	W White Paint CD Clear Diffuse CS Clear Specular	SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange	(blank) Open Damp Location WET⁷ Lensed Wet Location	Flanged (blank) Ceiling Thickness 0.50" - 0.75" CTA2/120 Ceiling Thickness 0.75" - 1.20" CTA2/150 Ceiling Thickness 1.20" - 1.50"
2DH Hyperbolic Reflector	BS Black Specular WTD Wheat Diffuse	Flangeless⁶ FM Flangeless		Flangeless (Gypsum) FMA2/075 Ceiling Thickness 0.50" - 0.75" FMA2/120 Ceiling Thickness 0.75" - 1.20" FMA2/150 Ceiling Thickness 1.20" - 1.50"
Bevel	Upper Reflector (Shield) Finish	Trim Finish & Flange Style		Flangeless (Wood Stone Tile) (blank) Ceiling Thickness 0.50" - 0.75" CTA2/120 Ceiling Thickness 0.75" - 1.20" CTA2/150 Ceiling Thickness 1.20" - 1.50"
2DBV Downlight Bevel	BD Black Diffuse	Flanged White, Flanged BLSF Black, Flanged Flangeless⁶ White, Flangeless WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Lensed Wet Location	REMODEL Flanged (blank) Ceiling Thickness 0.5" - 1.5" Flangeless (Gypsum) FMA2R Ceiling Thickness 0.5"-1.5"
Pinhole				
2DPIN 1 1/4" Downlight Pinhole				

Ordering Notes:

- 90CRI and 95CRI available on 27K and 30K only.
- MVOLT standard on ZT. 120 standard on FPC.
- CP ICAT available on new construction only.
- nLight compatible with ZT only.
- Not available with Remodel, CP ICAT or NLIGHT. Top access required.
- Flangeless trims in drywall ceilings must specify ceiling installation (FMA2 for New Construction ; FMA2R for Remodel). Flangeless for Wood, Stone, Tile available for New Construction only.
- WET not available on 2DH.

2" Square Adjustable & Wall Wash Housings Example: AX2SQ A G2 12LM 30K 90CRI 24D FPC 120 CP ICAT 2SQABV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ²	Ratings	Options
AX2SQ A G2 New Construction Adjustable & Wall Wash	08LM	800 lumens	27K 2700K	80CRI	15D 15° beam	ZT 0-10V 1% min FPC Phase Cut Dimming 1% min	120 MVOLT (120-277)	NLIGHT ⁴ nLight Dimming (must mount remotely) E6WT20R ⁵ Emergency 6W battery pack with remote test switch, T20 compliant
	12LM	1200 lumens	30K 3000K	90CRI ¹	20D 20° beam			
	15LM	1500 lumens	35K 3500K		24D 24° beam			
			40K 4000K		30D 30° beam			
					35D 35° beam			
AX2SQ AR G2 Remodel Adjustable & Wall Wash				40D 40° beam				
				45D 45° beam				
				50D 50° beam				
				55D 55° beam				
				60D 60° beam				
				60D20D 60°x20°				

Adjustable Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflector 2SQA Angle Cut Reflector	W White Paint CD Clear Diffuse CS Clear Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange Flangeless ⁶ FM Flangeless	(blank) Open Damp Location WET Lensed Wet Location	NEW CONSTRUCTION Flanged (blank) Ceiling Thickness 0.50" - 0.75" CTA2SQ/120 Ceiling Thickness 0.75" - 1.20" CTA2SQ/150 Ceiling Thickness 1.20" - 1.50" Flangeless (Gypsum) FMA2SQ/075 Ceiling Thickness 0.50" - 0.75" FMA2SQ/120 Ceiling Thickness 0.75" - 1.20" FMA2SQ/150 Ceiling Thickness 1.20" - 1.50" Flangeless (Wood Stone Tile) (blank) Ceiling Thickness 0.50" - 0.75" CTA2SQ/120 Ceiling Thickness 0.75" - 1.20" CTA2SQ/150 Ceiling Thickness 1.20" - 1.50"
	Upper Reflector (Shield) Finish BD Black Diffuse	Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless ⁶ WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Lensed Wet Location	
Bevel 2SQABV Bevel Adjustable				REMODEL Flanged (blank) Ceiling Thickness 0.5" - 1.5" Flangeless (Gypsum) FMA2SQR Ceiling Thickness 0.5"-1.5"
Pinhole 2SQAPIN 1 1/4" Pinhole Adjustable				

Wall Wash Trim	Reflector Finish	Flange Style/Finish	Environment
Wall Wash 2SQWW Architectural Wall Wash	W White Paint CD Clear Diffuse CS Clear Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange Flangeless ⁶ FM Flangeless	(blank) Damp Location

*Must specify 35D beam with wall wash trim

Ordering Notes:

- 90CRI available on 27K and 30K only.
- MVOLT standard on ZT. 120 standard on FPC
- CP ICAT available on new construction only.
- NLIGHT compatible with ZT only.
- Not available with Remodel, CP ICAT or NLIGHT. Top access required.
- Flangeless trims in drywall ceilings must specify ceiling installation (FMA2SQ for New Construction; FMA2SQR for Remodel). Flangeless for Wood, Stone, Tile available for New Construction only).

AX2 Architectural Downlights

2" Square Downlight Housings

Example: AX2SQ D G2 12LM 30K 90CRI 24D FPC 120 ICAT 2SQDBV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ²	Ratings	Options
AX2SQ D G2 New Construction Downlight	08LM 800 lumens	27K 2700K	80CRI	15D 15° beam	ZT 0-10V 1% min	120 MVOLT (120-277)	(blank) Non-IC Rated	NLIGHT ⁴ nLight Dimming (must mount remotely) E6WT20R ⁵ Emergency 6W battery pack with remote test switch, T20 compliant
	12LM 1200 lumens	30K 3000K	90CRI ¹	20D 20° beam	FPC Phase Cut Dimming 1% min		CP ICAT ³ IC Rated, Air-Tight, Chicago Plenum	
	15LM 1500 lumens	35K 3500K		24D 24° beam				
AX2SQ DR G2 Remodel Downlight		40K 4000K		30D 30° beam				
				35D 35° beam				
				40D 40° beam				
				45D 45° beam				
				50D 50° beam				
				55D 55° beam				
				60D 60° beam				
			60D20D 60°x20°					

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflector 2SQD Deep Downlight Reflector	W White Paint CD Clear Diffuse BD Black Diffuse WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WSHF Self Flanged, White Painted Flange Flangeless⁶ FM Flangeless	(blank) Open Damp Location WET Lensed Wet Location	NEW CONSTRUCTION Flanged (blank) Ceiling Thickness 0.50" - 0.75" CTA2SQ/120 Ceiling Thickness 0.75" - 1.20" CTA2SQ/150 Ceiling Thickness 1.20" - 1.50" Flangeless (Gypsum) FMA2SQ/075 Ceiling Thickness 0.50" - 0.75" FMA2SQ/120 Ceiling Thickness 0.75" - 1.20" FMA2SQ/150 Ceiling Thickness 1.20" - 1.50"
Bevel 2SQDBV Downlight Bevel	Upper Reflector (Shield) Finish BD Black Diffuse	Trim Finish & Flange Style Flanged WSHF White, Flanged BLSF Black, Flanged Flangeless⁶ WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Lensed Wet Location	Flangeless (Wood Stone Tile) (blank) Ceiling Thickness 0.50" - 0.75" CTA2SQ/120 Ceiling Thickness 0.75" - 1.20" CTA2SQ/150 Ceiling Thickness 1.20" - 1.50"
Pinhole 2SQDPIN 1 1/4" Downlight Pinhole				REMODEL Flanged (blank) Ceiling Thickness 0.5" - 1.5" Flangeless (Gypsum) FMA2SQR Ceiling Thickness 0.5"-1.5"

Ordering Notes:

- 90CRI available on 27K and 30K only.
- MVOLT standard on ZT. 120 standard on FPC.
- CP ICAT available on new construction only.
- NLIGHT compatible with ZT only.
- Not available with Remodel, ICAT or NLIGHT. Top access required.
- Flangeless trims in drywall ceilings must specify ceiling installation (FMA2SQ for New Construction; FMA2SQR for Remodel). Flangeless for Wood, Stone, Tile available for New Construction only).

Accessories - AX2

Replacement Optics	Optional Installation Accessories
Static White Optics	Bar Hangers
2AXG2OPT/15D 15° Beam	HB1 Juno Real Nail® 3 Bar Hangers
2AXG2OPT/20D 20° Beam	HB26 26" C-Channel Bar Hangers
2AXG2OPT/24D 24° Beam	HB50 50" C-Channel Bar Hangers
2AXG2OPT/30D 30° Beam	LB27 27" Linear Bar Hangers
2AXG2OPT/35D 35° Beam	Note: Fixture supplied with Pro-VI™ Bar Hangers
2AXG2OPT/40D 40° Beam	Emergency Inverter
2AXG2OPT/45D 45° Beam	IIS 35 HE Up to 35W Remote Mount Micro Inverter (30LM Excluded)
2AXG2OPT/50D 50° Beam	
2AXG2OPT/55D 55° Beam	
2AXG2OPT/60D 60° Beam	
2AXG2OPT/60D20D 60°x20° Beam	

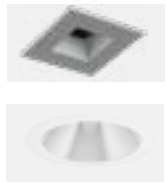
Wide Selection of Beautiful Trim Options

From general illumination downlighting, accent lighting, or wall washing, each Aculux trim has been engineered with forethought and precision crafted.

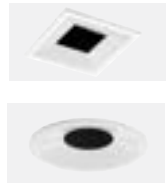
Downlight



Deep Reflectors



Bevels



Flat Pinholes



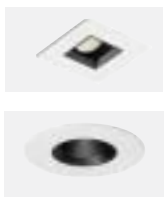
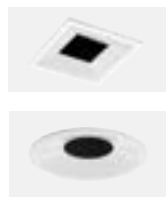
Multi-Head



Pinhole



Adjustable Accent



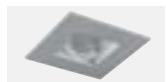
Bevel



Wall Wash



Open Wall Wash



Finishes



White Paint



Clear Diffuse



Clear Specular



Wheat Diffuse



Black Specular

Finishes



White Paint



Clear Diffuse



Wheat Diffuse



Black Diffuse

Flange Style



Flanged



Flangeless (Gypsum)



Flangeless (Millwork)

Aculux is precision defined...

Aculux precision luminaires have a well-deserved reputation for quality and innovation in the world of architectural lighting. They 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, delivering the highest center beam candlepower and lumens from smaller apertures while maintaining quiet ceilings that blend seamlessly into the architecture. Designed and engineered specifically for residential, hospitality, and corporate interiors, Aculux provides a touch of elegance and sophistication that lights up a room.

Aculux® AX3 Architectural Downlights

Architectural recessed luminaires from Aculux maintain quiet ceilings by precisely placing the right amount of light in precisely the right place. The 3" Generation 4 luminaires are the industry's only 3-inch aperture downlight and adjustable capable of delivering up to 3000 lumens. Aculux provides higher levels of illumination from smaller, more discreet apertures.

Available in Round & Square Apertures, these luminaires deliver exceptional downlight, accent, and wall wash illumination.

The luminaire features field interchangeable optics in 10 distributions, capable of delivering up to 31,000 CBCP. The deep source regression provides excellent shielding with 45 degree visual cutoff.



New Construction IC Rated



Remodel



Chicago Plenum



New Construction Low Profile



3" Round New Construction Adjustable Housings

Example: AX3 A 12LM 30K 95CRI 24D FPC 120 ICAT 3ABV BS WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Rated	Options						
AX3 A New Construction Adjustable AX3 LPA Low Profile New Construction Adjustable	Static White		80CRI ² 90CRI 95CRI ²	5D 5° beam 12D 12° beam 20D 20° beam 24D 24° beam 30D 30° beam 35D 35° beam 40D 40° beam 45D 45° beam 50D 50° beam 60D 60° beam 60D20D 60° x 20°	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only)						
	08LM 800 lumens	27K 2700K												
	12LM 1200 lumens	30K 3000K												
	15LM 1500 lumens	35K 3500K												
	20LM 2000 lumens	40K 4000K												
	25LM 2500 lumens													
	30LM ¹ 3000 lumens													
	WarmDim [®]								WDIM HALR 3000K - 1800K	90CRI	12D ³ 12° beam 15D ³ 15° beam 20D ³ 20° beam 24D 24° beam 35D 35° beam 40D 40° beam 50D 50° beam 60D20D 60° x 20°	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min		
	08LM 800 lumens													
	12LM 1200 lumens													
	15LM 1500 lumens													
	Tunable White													
08LM 800 lumens														
12LM 1200 lumens														
15LM 1500 lumens														
20LM 2000 lumens														

Adjustable Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation				
Reflectors 3AC Angle Cut Reflector (0-45°) 3AC20 Shallow Angle Cut Reflector (0-20°)	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless ⁸ FM Flangeless	(blank) Open Damp Location WET ⁹ Clear Wet Location	Flanged (blank) Ceiling Thickness < 0.875" CTA3/125 Ceiling Thickness 0.875" - 1.25" CTA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Gypsum) FMA3/087 Ceiling Thickness < 0.875" FMA3/125 Ceiling Thickness 0.875" - 1.25" FMA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Wood Stone Tile) ¹⁰ SFM3/087 (B,W) Ceiling Thickness < 0.875" SFM3/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM3/163 (B,W) Ceiling Thickness 1.25" - 1.625"				
					Bevels 3ABV Bevel Adjustable 3SHABV Dead Front, Non Conductive Shower Bevel Adjustable	Upper Reflector (Shield) Finish	Trim Finish & Flange Style	(blank) Open Damp Location WET Solite Wet Location
						BS Black Specular BD Black Diffuse	Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless ⁸ WHFM White, Flangeless BLFM Black, Flangeless	
						Pinholes 3APIN 1 1/4" Pinhole Adjustable 3APINLG 1 3/4" Pinhole Adjustable		

Ordering Notes:

- 30LM not available with LPA
- 95CRI available on 27K and 30K only. 80 & 95 CRI not available at 06LM. Contact factory for other CCT/CRI combinations.
- For WDIM, 12D only available with 08LM; 15D only available with 12LM; 20D only available with 15LM
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with LPA at 25LM; not available with A at 30LM; not available with 15LM WDIM or 20LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1 or EZB (for static white) or GZ1 (for warmDim). NLT and NLIGHT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- 3DP not available with WDIM or TUWH. 3DPD not available with Static White
- Must specify FMA3 or SFM3 option.
- 3AC not available with WET.
11. 11. Specify finish: B = Black, W = White.
12. 06LM only available in 05D, and 05D only available in 06LM.
13. ECOD, E6WT20R not available at 06LM.

AX3 Architectural Downlights

3" Round New Construction Downlight Housings

Example: AX3 D 12LM 30K 95CRI 24D FPC 120 ICAT 3DBV BS WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Rated	Options						
AX3 D New Construction Fixed Downlight AX3 LPD Low Profile New Construction Fixed Downlight	Static White		80CRI ² 90CRI 95CRI ²	5D 5° beam 12D 12° beam 20D 20° beam 24D 24° beam 30D 30° beam 35D 35° beam 40D 40° beam 45D 45° beam 50D 50° beam 60D 60° beam 60D20D 60° x 20°	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only)						
	08LM 800 lumens	27K 2700K												
	12LM 1200 lumens	30K 3000K												
	15LM 1500 lumens	35K 3500K												
	20LM 2000 lumens	40K 4000K												
	25LM 2500 lumens													
	30LM ¹ 3000 lumens													
	WarmDim [®]								WDIM HALR 3000K - 1800K	90CRI	12D ³ 12° beam 15D ³ 15° beam 20D ³ 20° beam 24D 24° beam 35D 35° beam 40D 40° beam 50D 50° beam 60D20D 60° x 20°	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min		
	08LM 800 lumens													
	12LM 1200 lumens													
	15LM 1500 lumens													
	Tunable White													
08LM 800 lumens														
12LM 1200 lumens														
15LM 1500 lumens														
20LM 2000 lumens														

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflectors 3DP ⁸ Deep Downlight Reflector (For Static White) 3DPD ⁸ Deep Downlight Reflector (For WarmDim and Tunable White) 3DH Hyperbolic Reflector	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless ⁹ FM Flangeless	(blank) Open Damp Location WET ¹⁰ Solite Wet Location	Flanged (blank) Ceiling Thickness < 0.875" CTA3/125 Ceiling Thickness 0.875" - 1.25" CTA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Gypsum) FMA3/087 Ceiling Thickness < 0.875" FMA3/125 Ceiling Thickness 0.875" - 1.25" FMA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Wood Stone Tile) ¹¹ SFM3/087 (B,W) Ceiling Thickness < 0.875" SFM3/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM3/163 (B,W) Ceiling Thickness 1.25" - 1.625"
Bevels 3DBV Downlight Bevel 3SHDBV Dead Front, Non Conductive Shower Downlight Bevel	Upper Reflector (Shield) Finish BS Black Specular BD Black Diffuse	Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless ⁹ WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Solite Wet Location	
Pinholes 3DPIN 1 1/4" Downlight Pinhole 3DPINLG 1 3/4" Downlight Pinhole				

Ordering Notes:

- 30LM not available with LPD
- 95CRI available on 27K and 30K only. 80 & 95 CRI not available at 06LM. Contact factory for other CCT/CRI combinations
- For WDIM, 12D only available with 08LM; 15D only available with 12LM; 20D only available with 15LM
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with LPD at 25LM; not available with D at 30LM; not available with 15LM WDIM or 20LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLIGHT and NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- 3DP not available with WDIM or TUWH. 3DPD not available with Static White
- Must specify FMA3 or SFM3 option.
10. 3DH not available with WET.
11. Specify finish: B = Black, W = White.
12. 06LM only available in 05D, and 05D only available in 06LM.
13. ECOD, E6WT20R not available at 06LM

3" Round New Construction Wall Wash Housings

Example: AX3 WW 12LM 30K 95CRI FPC 120 ICAT 3FWW CD SF

Housing	Lumens	CCT	CRI	Driver	Voltage ³	Ratings	Options		
AX3 WW New Construction Wall Wash	Static White		80CRI ² 90CRI 95CRI ²	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁴ Chicago Plenum ICAT ⁴ IC Rated, Air-tight	NLIGHT ⁵ nLight Dimming pack controls (Static White and WarmDim only)		
	08LM	800 lumens						27K	2700K
	12LM	1200 lumens						30K	3000K
	15LM	1500 lumens						35K	3500K
	20LM	2000 lumens						40K	4000K
AX3 LPWW Low Profile New Construction Wall Wash	25LM	2500 lumens							
	30LM ¹	3000 lumens							
WarmDim®		WDIM HALR 3000K - 1800K	90CRI	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min					
08LM	800 lumens								
12LM	1200 lumens								
15LM	1500 lumens								
Tunable White		TUWH 5000K - 2700K	90CRI	GZ1 0-10V 1% min NLT ⁵ nLight nTune interface EDAB eldoLED DALI 6 log <1% min EDABT8 eldoLED DALI 8 log <1% min					
08LM	800 lumens								
12LM	1200 lumens								
15LM	1500 lumens								
20LM	2000 lumens								

Trim	Reflector Finish	Flange Style/Finish	Ceiling Installation
Wall Wash 3FWW Lensed Wall Wash	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁷ FM Flangeless	Flanged (blank) Ceiling Thickness < 0.875" CTA3/125 Ceiling Thickness 0.875" - 1.25" CTA3/163 Ceiling Thickness 1.25" - 1.625"
			Flangeless (Gypsum) FMA3/087 Ceiling Thickness < 0.875" FMA3/125 Ceiling Thickness 0.875" - 1.25" FMA3/163 Ceiling Thickness 1.25" - 1.625"
			Flangeless (Wood Stone Tile)⁸ SFM3/087 (B,W) Ceiling Thickness < 0.875" SFM3/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM3/163 (B,W) Ceiling Thickness 1.25" - 1.625"

Ordering Notes:

- 30LM not available with LPWW
- 95CRI available on 27K and 30K only. 80 & 95 CRI not available at 06LM. Contact factory for other CCT/CRI combinations.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with LPWW at 25LM; not available with WW at 30LM; not available with 15LM WDIM or 20LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLIGHT and NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA3 or SFM3 option.
- Specify finish: B = Black, W = White.

AX3 Architectural Downlights

3" Square New Construction Adjustable Housings Example: AX3SQ A 25LM 30K 95CRI 24D FPC 120 ICAT 3SQABV BS WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Rated	Options												
AX3SQ A New Construction Adjustable	Static White		80CRI ² 90CRI 95CRI ²	5D 5° beam 12D 12° beam 20D 20° beam 24D 24° beam 30D 30° beam 35D 35° beam 40D 40° beam 45D 45° beam 50D 50° beam 60D 60° beam 60D20D 60° x 20°	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) CP ⁵ ICAT ⁵	Non-ICAT Chicago Plenum IC Rated, Air-tight												
	08LM 800 lumens	27K 2700K																		
	12LM 1200 lumens	30K 3000K																		
	15LM 1500 lumens	35K 3500K																		
	20LM 2000 lumens	40K 4000K																		
	WarmDim[®]								90CRI	12D ³ 12° beam 15D ³ 15° beam 20D ³ 20° beam 24D 24° beam 35D 35° beam 40D 40° beam 50D 50° beam 60D20D 60° x 20°	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min	120 277 MVOLT (120-277)	(blank) CP ⁵ ICAT ⁵	Non-ICAT Chicago Plenum IC Rated, Air-tight						
	08LM 800 lumens	WDIM HALR 3000K - 1800K																		
	12LM 1200 lumens																			
	15LM 1500 lumens																			
	Tunable White														90CRI	20D 20° beam 24D 24° beam 35D 35° beam 40D 40° beam 50D 50° beam 60D20D 60° x 20°	GZ1 0-10V 1% min NLT ⁶ nLight nTune interface EDAB eldoLED DALI 6 log <1% min EDABT8 eldoLED DALI 8 log <1% min	120 277 MVOLT (120-277)	(blank) CP ⁵ ICAT ⁵	Non-ICAT Chicago Plenum IC Rated, Air-tight
	08LM 800 lumens	TUWH 5000K - 2700K																		
	12LM 1200 lumens																			
15LM 1500 lumens																				
20LM 2000 lumens																				

Adjustable Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflectors				
3SQA Angle Cut Reflector (0-45°)	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁸ FM Flangeless	(blank) Open Damp Location WET Clear Wet Location	Flanged (blank) Ceiling Thickness < 0.875" CTA3/125 Ceiling Thickness 0.875" - 1.25" CTA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Gypsum) FMA3/087 Ceiling Thickness < 0.875" FMA3/125 Ceiling Thickness 0.875" - 1.25" FMA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Wood Stone Tile)¹⁰ SFM3/087 Ceiling Thickness < 0.875" SFM3/125 Ceiling Thickness 0.875" - 1.25" SFM3/163 Ceiling Thickness 1.25" - 1.625"
Bevels				
3SQABV Bevel Adjustable	Upper Reflector (Shield) Finish BS Black Specular BD Black Diffuse	Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless⁸ WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Solite Wet Location	
3SQSHABV Dead Front, Non Conductive Shower Bevel Adjustable				
Pinholes				
3SQAPIN 1 1/4" Pinhole Adjustable				
3SQAPINLG 1 3/4" Pinhole Adjustable				

Ordering Notes:

- 30LM not available with LPA
- 95CRI available on 27K and 30K only. 80 & 95 CRI not available at 06LM. Contact factory for other CCT/CRI combinations.
- For WDIM, 12D only available with 08LM ; 15D only available with 12LM; 20D only available with 15LM
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with LPA at 25LM; not available with A at 30LM; not available with 15LM WDIM or 20LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLIGHT and NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- 3SQDP not available with WDIM or TUWH. 3SQDPD not available with Static White
- Must specify FMA3Q3 or SFMSQ3 option.
- 3SQAC not available with WET.
- Specify finish: B = Black, W = White.
- 06LM only available in 05D, and 05D only available in 06LM.
- ECOD, E6WT20R not available at 06LM.

3" Square New Construction Downlight Housings Example: AX3SQ D 27LM 30K 95CRI 24D FPC 120 ICAT 3SQDBV BS WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Rated	Options														
AX3SQ D New Construction Fixed Downlight	Static White		80CRI ² 90CRI 95CRI ²	5D 5° beam 12D 12° beam 20D 20° beam 24D 24° beam 30D 30° beam 35D 35° beam 40D 40° beam 45D 45° beam 50D 50° beam 60D 60° beam 60D20D 60° x 20°	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only)														
	08LM 800 lumens	27K 2700K																				
	12LM 1200 lumens	30K 3000K																				
	15LM 1500 lumens	35K 3500K																				
	20LM 2000 lumens	40K 4000K																				
	AX3SQ LPD Low Profile New Construction Fixed Downlight	WarmDim[®]							90CRI	12D ³ 12° beam 15D ³ 15° beam 20D ³ 20° beam 24D 24° beam 35D 35° beam 40D 40° beam 50D 50° beam 60D20D 60° x 20°	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only)								
		08LM 800 lumens													WDIM HALR 3000K - 1800K							
		12LM 1200 lumens																				
		15LM 1500 lumens																				
		AX3SQ LPD Low Profile New Construction Fixed Downlight													Tunable White		90CRI	20D 20° beam 24D 24° beam 35D 35° beam 40D 40° beam 50D 50° beam 60D20D 60° x 20°	GZ1 0-10V 1% min NLT ⁶ nLight nTune interface EDAB eldoLED DALI 6 log <1% min EDABT8 eldoLED DALI 8 log <1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only)
															08LM 800 lumens	TUWH 5000K - 2700K						
															12LM 1200 lumens							
15LM 1500 lumens																						
20LM 2000 lumens																						

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflectors 3SQD Deep Downlight Reflector	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁸ FM Flangeless	(blank) Open Damp Location WET Clear Wet Location	Flanged (blank) Ceiling Thickness < 0.875" CTA3/125 Ceiling Thickness 0.875" - 1.25" CTA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Gypsum) FMA3/087 Ceiling Thickness < 0.875" FMA3/125 Ceiling Thickness 0.875" - 1.25" FMA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Wood Stone Tile)¹⁰ SFM3/087 (B,W) Ceiling Thickness < 0.875" SFM3/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM3/163 (B,W) Ceiling Thickness 1.25" - 1.625"
Bevels 3SQDBV Downlight Bevel 3SQSHDBV Dead Front, Non Conductive Shower Downlight Bevel	Upper Reflector (Shield) Finish BS Black Specular BD Black Diffuse	Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless⁸ WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Solite Wet Location	
Pinholes 3SQDPIN 1 1/4" Downlight Pinhole 3SQDPINLG 1 3/4" Downlight Pinhole				

Ordering Notes:

- 30LM not available with LPD
- 95CRI available on 27K and 30K only. 80 & 95 CRI not available at 06LM. Contact factory for other CCT/ CRI combinations.
- For WDIM, 12D only available with 08LM ; 15D only available with 12LM; 20D only available with 15LM
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with LPD at 25LM; not available with D at 30LM; not available with 15LM WDIM or 20LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLIGHT and NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- 3SQDP not available with WDIM or TUWH. 3SQDP not available with Static White.
- Must specify FMA3Q3 or SFMSQ3 option.
- Specify finish: B = Black, W = White.
- 06LM only available in 05D, and 05D only available in 06LM.
- ECOD, E6WT20R not available at 06LM.

AX3 Architectural Downlights

3" Square New Construction Wall Wash Housings

Example: AX3SQ WW 15LM 30K 95CRI FPC 120 ICAT 3SQFWW CD SF

Housing	Lumens	CCT	CRI	Driver	Voltage ³	Ratings	Options		
AX3SQ WW New Construction Wall Wash	Static White		80CRI ² 90CRI 95CRI ²	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁴ Chicago Plenum ICAT ⁴ IC Rated, Air-tight	NLIGHT ⁵ nLight Dimming pack controls (Static White and WarmDim only)		
	08LM	800 lumens						27K	2700K
	12LM	1200 lumens						30K	3000K
	15LM	1500 lumens						35K	3500K
	20LM	2000 lumens						40K	4000K
AX3SQ LPWW Low Profile New Construction Wall Wash	WarmDim[®]		90CRI	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min					
	08LM	800 lumens						WDIM HALR	
	12LM	1200 lumens						3000K - 1800K	
	15LM	1500 lumens							
	Tunable White							90CRI	GZ1 0-10V 1% min NLT ⁵ nLight nTune interface EDAB eldoLED DALI 6 log <1% min EDABT8 eldoLED DALI 8 log <1% min
08LM	800 lumens	TUWH							
12LM	1200 lumens	5000K - 2700K							
15LM	1500 lumens								
20LM	2000 lumens								

Trim	Reflector Finish	Flange Style/Finish	Ceiling Installation
Wall Wash 3SQFWW Lensed Wall Wash	W White Paint	Flanged	Flanged
	CD Clear Diffuse	SF Self Flanged (same finish as reflector)	(blank) Ceiling Thickness < 0.875"
	BD Black Diffuse	WHSF Self Flanged, White Painted Flange (not available with W finish)	CTA3/125 Ceiling Thickness 0.875" - 1.25"
	WTD Wheat Diffuse	Flangeless⁷	CTA3/163 Ceiling Thickness 1.25" - 1.625"
		FM Flangeless	Flangeless (Gypsum)
			FMA3/087 Ceiling Thickness < 0.875"
			FMA3/125 Ceiling Thickness 0.875" - 1.25"
			FMA3/163 Ceiling Thickness 1.25" - 1.625"
			Flangeless (Wood Stone Tile)⁸
			SFM3/087 (B,W) Ceiling Thickness < 0.875"
			SFM3/125 (B,W) Ceiling Thickness 0.875" - 1.25"
			SFM3/163 (B,W) Ceiling Thickness 1.25" - 1.625"

Ordering Notes:

- 30LM not available with LPWW
- 95CRI available on 27K and 30K only. 80 & 95 CRI not available at 06LM. Contact factory for other CCT/CRI combinations.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with LPWW at 25LM; not available with WW at 30LM; not available with 15LM WDIM or 20LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLIGHT and NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA3SQ or SFM3SQ option.
- Specify finish: B = Black, W = White.

Accessories - AX3

Beam Control Lenses & Filters	Replacement Optics	Optional Installation Accessories
DIFF 200 Diffuse Spread lens	Static White Optics	Bar Hangers
SOLITE 200 Solite Uniformity Lens	3AXOPT/12D 12° Beam	HB1 Juno Real Nail® 3 Bar Hangers
PRISM 200 Prismatic Lens	3AXOPT/20D 20° Beam	HB26 26" C-Channel Bar Hangers
LSPREAD 200 Linear Spread Lens	3AXOPT/24D 24° Beam	HB50 50" C-Channel Bar Hangers
HCLBL 200 Hexcell Louver	3AXOPT/30D 30° Beam	LB27 27" Linear Bar Hangers
UVF 200 UV Filter Lens	3AXOPT/35D 35° Beam	<i>Note: Fixture supplied with Pro-VI™ Bar Hangers</i>
DCCF 200 HAL4250 Daylight Blue Correction	3AXOPT/40D 40° Beam	Emergency Inverter
	3AXOPT/45D 45° Beam	IIS 35 HE Up to 35W Remote Mount Micro Inverter (30LM Excluded)
	3AXOPT/50D 50° Beam	
	3AXOPT/60D 60° Beam	
	3AXOPT/60D20D 60°x20° Beam	
	WarmDim Optics	
	3AXWDOPT/12D 12° Beam	
	3AXWDOPT/15D 15° Beam	
	3AXWDOPT/20D 20° Beam	
	3AXWDOPT/24D 24° Beam	
	3AXWDOPT/35D 35° Beam	
	3AXWDOPT/40D 40° Beam	
	3AXWDOPT/50D 50° Beam	
	3AXWDOPT/60D20D 60°x20° Beam	
	Tunable White Optics	
	3AXTWOPT/20D 20° Beam	
	3AXTWOPT/24D 24° Beam	
	3AXTWOPT/35D 35° Beam	
	3AXTWOPT/40D 40° Beam	
	3AXTWOPT/50D 50° Beam	
	3AXTWOPT/60D20D 60°x20° Beam	

3" Round Remodel Housings

Example: AX3 AR G4 08LM 30K 80CRI 24D FPC 120 3AC CS WHR

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ²	Options
AX3 AR G4 Remodel Universal ADJ/ DL/WW	08LM 800 Lumens 12LM 1200 Lumens 15LM 1500 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K	80CRI 90CRI¹ 95CRI¹	12D 12° beam 24D 24° beam 35D 35° beam 50D 50° beam	GZ1 0-10V, 1% dim EZ1 eldoLED 0-10V, 1% dim EZB eldoLED 0-10V, <1% dim FPC Phase cut dimming, 5% dim ECOD Lutron Hi-Lume with EcoSystem, 1% dim EDAB eldoLED DALI, 1% min	120 277 MVOLT (120-277)	NLIGHT³ nLight dimming pack controls
Trim Style			Reflector Finish		Flange Style/Finish		Environment
Adjustable Accent 3AC⁶ Angle-Cut Reflector 45° 3AC20⁶ Angle-Cut Reflector 20° 3ABV⁷ Bevel 3APIN⁷ Pinhole, 1-1/4" 3APINLG⁷ Pinhole, 1-3/4" Downlight 3DP⁶ Parabolic Downlight 3DH⁶ Hyperbolic Downlight 3DBAF² Baffle 3DBV⁷ Bevel 3DPIN⁷ Pinhole, 1-1/4" Wall Wash 3WW⁶ Wall Wash			BS Black Specular CD Clear Diffuse CS Clear Specular WTD Wheat Diffuse W White Paint		Flanged SF Flange is same finish as reflector WHSF White Painted Flange BLSF Black Painted Flange		WET⁴ Wet Location

Ordering Notes:

¹ 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations

² 120 required for FPC or ECOS2. MVOLT required for EZ1, EZB, ECOD, EDAB

³ NLIGHT available with EZ1 and EZB only

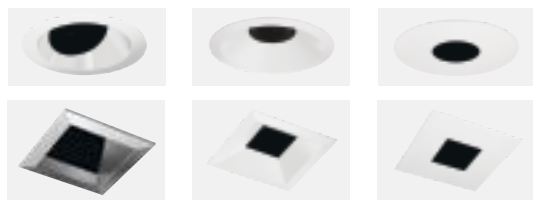
See specification sheets for all accessories.

Trims

Downlight



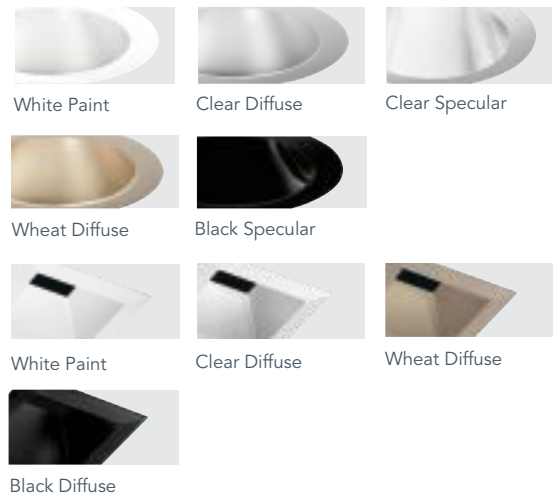
Adjustable Accent



Lensed Wall Wash



Finishes



Flange Style



Aculux® AX4 Architectural Downlights

Aculux® 4-inch Round LED precision luminaires are ideal for high ceiling applications, delivering up to 3200 lumens. The luminaires are perfect for accent, task, or wall wash lighting applications. The luminaire optical control system is "Spot On!" with the Acu-Aim™ geared aiming, 370 degree rotation and 45 degree vertical tilt, and have the capability

of producing ten beam distributions. The patented auto-adjusting optic holder and optimized center-beam optics combined maximizes fixture efficiency and light output providing the right amount of light to be directed precisely at the intended target.



New Construction Adjustable



New Construction Downlight



New Construction Wall Wash



4" Round New Construction Adjustable Housings

Example: AX4 A 27LM 30K 95CRI 24D FPC 120 ICAT 4ABV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Ratings	Options												
AX4 A New Construction Adjustable	Static White		80CRI 90CRI 95CRI	12D 12° beam 20D 20° beam 24D 24° beam 30D 30° beam 35D 35° beam 40D 40° beam 45D 45° beam 50D 50° beam 50D20D 50° x 20°	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁴ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant												
	12LM 1200 lumens	27K 2700K																		
	17LM 1700 lumens	30K 3000K																		
	22LM 2200 lumens	35K ² 3500K																		
	27LM 2700 lumens	40K ² 4000K																		
	32LM ¹ 3200 lumens																			
	WarmDim[®]								90CRI	10D ³ 10° beam 15D ³ 15° beam 20D 20° beam 24D 24° beam 35D 35° beam 45D 45° beam 55D 55° beam 50D20D 50° x 20°	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁴ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant						
	08LM 800 lumens	WDIM HALR 3000K - 1800K																		
	12LM 1200 lumens																			
	15LM 1500 lumens																			
	17LM 1700 lumens																			
	Tunable White														90CRI	15D 15° beam 20D 20° beam 24D 24° beam 35D 35° beam 45D 45° beam 55D 55° beam 50D20D 50° x 20°	GZ1 0-10V 1% min EZ1 eldoLED 0-10V linear 1% min EZB eldoLED 0-10V log <1% min NLT ⁶ nLight nTune interface EDAB eldoLED DALI 6 log <1% min EDABT8 eldoLED DALI 8 log <1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁴ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant
	12LM 1200 lumens	TUWH 5000K - 2700K																		
	17LM 1700 lumens																			
	22LM 2200 lumens																			

Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Adjustable Reflector		Flanged		Flanged
4AC Angle Cut Reflector (0-45°)	W White Paint CD Clear Diffuse	SF Self Flanged WHSF Self Flanged, White Painted Flange (not available with W finish)	(blank) Open Damp Location WET ⁹ Solite Wet Location	(blank) Ceiling Thickness < 0.875" CTA4/125 Ceiling Thickness 0.875" - 1.25" CTA4/163 Ceiling Thickness 1.25" - 1.625" CTA4/200 Ceiling Thickness 1.625" - 2"
4AC20 Shallow Cut Reflector (0-20°)	CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flangeless⁸ FM Flangeless		Flangeless (Gypsum) FMA4/087 Ceiling Thickness < 0.875" FMA4/125 Ceiling Thickness 0.875" - 1.25" FMA4/163 Ceiling Thickness 1.25" - 1.625" FMA4/200 Ceiling Thickness 1.625" - 2"
Bevel	Bevel Finish & Flange Style			Flangeless (Wood Stone Tile)¹⁰
4ABV BD Bevel Adjustable (0-45°)	WHSF White, Flanged BLSF Black, Flanged Flangeless ⁸ WHFM White, Flangeless BLFM Black, Flangeless		(blank) Open Damp Location WET Solite Wet Location	SFM4/087 (B,W) Ceiling Thickness < 0.875" SFM4/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM4/163 (B,W) Ceiling Thickness 1.25" - 1.625"

Ordering Notes:

- 32LM not available with ICAT and CP.
- 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
- For WDIM, 10D only available with 08LM and 12LM; 15D only available with 15LM and 17LM.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with 17LM WDIM or 22LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA4 or SFM4 option.
- WET not available with 4AC20.
- Specify finish: B = Black, W = White.

AX4 Architectural Downlights

4" Round New Construction Downlight Housings

Example: AX4 D 27LM 30K 95CRI 24D FPC 120 ICAT 4DBV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Ratings	Options		
AX4 D New Construction Fixed Downlight	Static White									
	12LM	1200 lumens	27K 2700K	80CRI	12D 12° beam	GZ1 0-10V 1% min	120	(blank) Non-ICAT	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant	
			30K 3000K	90CRI	20D 20° beam	EZ1 0-10V eldoLED linear 1% min	277	CP ⁵ Chicago Plenum		
	17LM	1700 lumens	35K ² 3500K	95CRI	24D 24° beam	EZB 0-10V eldoLED log <1% min	MVOLT (120-277)	ICAT ⁵ IC Rated, Air-tight		
	22LM	2200 lumens	40K ² 4000K		30D 30° beam	EDXB eldoLED DMX square <1% min				
					35D 35° beam	EDAB eldoLED DALI 6 log <1% min				
	27LM	2700 lumens			40D 40° beam	FPC Phase Cut Dimming 1% min				
					45D 45° beam	ECOD Lutron EcoSystem 1% min				
	32LM ¹	3200 lumens			50D 50° beam					
					55D 55° beam					
					50D20D 50°x 20°					
					WD Wide (1.1 S/MH)					
	WarmDim ⁸									
	08LM	800 lumens	WDIM HALR 3000K - 1800K	90CRI	10D ³ 10° beam	GZ1 0-10V 1% min				
	12LM	1200 lumens			15D ³ 15° beam	FPC Phase Cut Dimming 1% min				
15LM	1500 lumens			20D 20° beam						
17LM	1700 lumens			24D 24° beam						
				35D 35° beam						
				45D 45° beam						
				55D 55° beam						
				50D20D 50°x 20°						
				WD Wide (1.1 S/MH)						
Tunable White										
12LM	1200 lumens	TUWH 5000K - 2700K	90CRI	15D 15° beam	GZ1 0-10V 1% min					
				20D 20° beam	EZ1 eldoLED 0-10V linear 1% min					
17LM	1700 lumens			24D 24° beam	EZB eldoLED 0-10V log <1% min					
				35D 35° beam	NLT ⁶ nLight nTune interface					
22LM	2200 lumens			45D 45° beam	EDAB eldoLED DALI 6 log <1% min					
				55D 55° beam	EDABT8 eldoLED DALI 8 log <1% min					
				50D20D 50°x 20°						
				WD Wide (1.1 S/MH)						

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Downlight Reflector				
4DP Deep Downlight Cone	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless ⁹ FM Flangeless	(blank) Open Damp Location WET Solite Wet Location	Flanged (blank) Ceiling Thickness < 0.875" CTA4/125 Ceiling Thickness 0.875" - 1.25" CTA4/163 Ceiling Thickness 1.25" - 1.625" CTA4/200 Ceiling Thickness 1.625" - 2" Flangeless (Gypsum) FMA4/087 Ceiling Thickness < 0.875" FMA4/125 Ceiling Thickness 0.875" - 1.25" FMA4/163 Ceiling Thickness 1.25" - 1.625" FMA4/200 Ceiling Thickness 1.625" - 2"
Bevel	Bevel Finish & Flange Style			
4DBV BD Downlight Bevel	Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless ⁹ WHFM White, Flangeless BLFM Black, Flangeless		(blank) Open Damp Location WET Solite Wet Location	Flangeless (Wood Stone Tile) ⁹ SFM4/087 (B,W) Ceiling Thickness < 0.875" SFM4/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM4/163 (B,W) Ceiling Thickness 1.25" - 1.625"

Ordering Notes:

- 32LM not available with ICAT and CP.
- 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
- For WDIM, 10D only available with 08LM and 12LM; 15D only available with 15LM and 17LM.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with 17LM WDIM or 22LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA4 or SFM4 option.
- Specify finish: B = Black, W = White.

4" Round New Construction Wall Wash Housings

Example: AX4 WW 27LM 30K 95CRI 24D FPC 120 ICAT 4FWW CD SF

Housing	Lumens	CCT	CRI	Driver	Voltage ³	Ratings	Options	
AX4 WW New Construction Wall Wash	Static White							
	12LM	1200 lumens	27K 2700K	80CRI	GZ1 0-10V 1% min	120	(blank) Non-ICAT	NLIGHT ⁵ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁶ Emergency 6W battery pack with remote test switch, T20 compliant
			30K 3000K	90CRI	EZ1 0-10V eldoLED linear 1% min	277	CP ⁴ Chicago Plenum	
	17LM	1700 lumens	35K ² 3500K	95CRI	EZB 0-10V eldoLED log <1% min	MVOLT (120-277)	ICAT ⁴ IC Rated, Air-tight	
	22LM	2200 lumens	40K ² 4000K		EDXB eldoLED DMX square <1% min			
	27LM	2700 lumens			EDAB eldoLED DALI 6 log <1% min			
	32LM ¹	3200 lumens			FPC Phase Cut Dimming 1% min			
					ECOD Lutron EcoSystem 1% min			
	WarmDim[®]							
	08LM	800 lumens	WDIM HALR 3000K - 1800K	90CRI	GZ1 0-10V 1% min			
	12LM	1200 lumens			FPC Phase Cut Dimming 1% min			
	15LM	1500 lumens						
	17LM	1700 lumens						
	Tunable White							
	12LM	1200 lumens	TUWH 5000K - 2700K	90CRI	GZ1 0-10V 1% min			
17LM	1700 lumens			EZ1 eldoLED 0-10V linear 1% min				
22LM	2200 lumens			EZB eldoLED 0-10V log <1% min				
				NLT ⁵ nLight nTune interface				
				EDAB eldoLED DALI 6 log <1% min				
				EDABT8 eldoLED DALI 8 log <1% min				

Trim	Reflector Finish	Flange Style/Finish	Ceiling Installation
Lensed Wall Wash		Flanged	Flanged
4FWW Lensed Wall Wash	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	SF Self Flanged WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁷ FM Flangeless	(blank) Ceiling Thickness < 0.875" CTA4/125 Ceiling Thickness 0.875" - 1.25" CTA4/163 Ceiling Thickness 1.25" - 1.625" CTA4/200 Ceiling Thickness 1.625" - 2" Flangeless (Gypsum) FMA4/087 Ceiling Thickness < 0.875" FMA4/125 Ceiling Thickness 0.875" - 1.25" FMA4/163 Ceiling Thickness 1.25" - 1.625" FMA4/200 Ceiling Thickness 1.625" - 2" Flangeless (Wood Stone Tile)⁸ SFM4/087 Ceiling Thickness < 0.875" SFM4/125 Ceiling Thickness 0.875" - 1.25" SFM4/163 Ceiling Thickness 1.25" - 1.625"

Ordering Notes:

- 32LM not available with ICAT and CP.
- 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with 17LM WDIM or 22LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA4 or SFM4 option.
- Specify finish: B = Black, W = White.

4" Square New Construction Adjustable Housings Example: AX4SQ A 27LM 30K 95CRI 24D FPC 120 ICAT 4SQABV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Ratings	Options		
AX4SQ A New Construction Adjustable	Static White									
	12LM	1200 lumens	27K 2700K	80CRI	12D 12° beam	GZ1 0-10V 1% min	120	(blank) Non-ICAT	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant	
			30K 3000K	90CRI	20D 20° beam	EZ1 0-10V eldoLED linear 1% min	277	CP ⁵ Chicago Plenum		
	17LM	1700 lumens	35K ² 3500K	95CRI	24D 24° beam	EZB 0-10V eldoLED log <1% min	MVOLT (120-277)	ICAT ⁵ IC Rated, Air-tight		
	22LM	2200 lumens	40K ² 4000K		30D 30° beam	EDXB eldoLED DMX square <1% min				
					35D 35° beam	EDAB eldoLED DALI 6 log <1% min				
	27LM	2700 lumens			40D 40° beam	FPC Phase Cut Dimming 1% min				
					45D 45° beam	ECOD Lutron EcoSystem 1% min				
	32LM ¹	3200 lumens			50D 50° beam					
					50D20D 50° x 20°					
	WarmDim[®]									
	08LM	800 lumens	WDIM HALR 3000K - 1800K	90CRI	10D ³ 10° beam	GZ1 0-10V 1% min				
					15D ³ 15° beam	FPC Phase Cut Dimming 1% min				
	12LM	1200 lumens			20D 20° beam					
					24D 24° beam					
15LM	1500 lumens			35D 35° beam						
				45D 45° beam						
17LM	1700 lumens			55D 55° beam						
				50D20D 50° x 20°						
Tunable White										
12LM	1200 lumens	TUWH 5000K - 2700K	90CRI	15D 15° beam	GZ1 0-10V 1% min					
				20D 20° beam	EZ1 eldoLED 0-10V linear 1% min					
17LM	1700 lumens			24D 24° beam	EZB eldoLED 0-10V log <1% min					
				35D 35° beam	NLT ⁶ nLight nTune interface					
				45D 45° beam	EDAB eldoLED DALI 6 log <1% min					
22LM	2200 lumens			55D 55° beam	EDABT8 eldoLED DALI 8 log <1% min					
				50D20D 50° x 20°						

Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Adjustable Reflector		Flanged		Flanged
45QA Angle Cut Reflector (0-45°)	W White Paint	SF Self Flanged	(blank) Open Damp Location	(blank) Ceiling Thickness < 0.875"
45QAC20 Shallow Cut Reflector (0-20°)	CD Clear Diffuse	WHSF Self Flanged, White Painted Flange (not available with W finish)	WET ⁹ Solite Wet Location	CTA45Q/125 Ceiling Thickness 0.875" - 1.25"
	BD Black Diffuse			CTA45Q/163 Ceiling Thickness 1.25" - 1.625"
	WTD Wheat Diffuse	Flangeless⁸		CTA45Q/200 Ceiling Thickness 1.625" - 2"
		FM Flangeless		Flangeless (Gypsum)
				FMA45Q/087 Ceiling Thickness < 0.875"
				FMA45Q/125 Ceiling Thickness 0.875" - 1.25"
				FMA45Q/163 Ceiling Thickness 1.25" - 1.625"
				FMA45Q/200 Ceiling Thickness 1.625" - 2"
Bevel	Bevel Finish & Flange Style			Flangeless (Wood Stone Tile)¹⁰
45QABV BD Bevel Adjustable (0-45°)			(blank) Open Damp Location	SFM45Q/087 (B,W) Ceiling Thickness < 0.875"
	Flanged		WET Solite Wet Location	SFM45Q/125 (B,W) Ceiling Thickness 0.875" - 1.25"
	WHSF White, Flanged			SFM45Q/163 (B,W) Ceiling Thickness 1.25" - 1.625"
	BLSF Black, Flanged			
	Flangeless⁸			
	WHFM White, Flangeless			
	BLFM Black, Flangeless			

Ordering Notes:

- 32LM not available with ICAT and CP.
- 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
- For WDIM, 10D only available with 08LM and 12LM; 15D only available with 15LM and 17LM.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with 17LM WDIM or 22LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA45Q or SFM45Q option.
- WET not available with 45QAC20.
- Specify finish: B = Black, W = White.

4" Square New Construction Downlight Housings Example: AX4SQ D 27LM 30K 95CRI 24D FPC 120 ICAT 4SQDBV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Ratings	Options												
AX4SQ D New Construction Fixed Downlight	Static White		80CRI 90CRI 95CRI	12D 12° beam 20D 20° beam 24D 24° beam 30D 30° beam 35D 35° beam 40D 40° beam 45D 45° beam 50D 50° beam 55D 55° beam 50D20D 50°x 20° WD Wide (1.1 S/MH)	GZ1 0-10V 1% min EZ1 0-10V eldoLED linear 1% min EZB 0-10V eldoLED log <1% min EDXB eldoLED DMX square <1% min EDAB eldoLED DALI 6 log <1% min FPC Phase Cut Dimming 1% min ECOD Lutron EcoSystem 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant												
	12LM 1200 lumens	27K 2700K																		
	17LM 1700 lumens	30K 3000K																		
	22LM 2200 lumens	35K ² 3500K																		
	27LM 2700 lumens	40K ² 4000K																		
	32LM ¹ 3200 lumens																			
	WarmDim⁸								90CRI	10D ³ 10° beam 15D ³ 15° beam 20D 20° beam 24D 24° beam 35D 35° beam 45D 45° beam 55D 55° beam 50D20D 50°x 20° WD Wide (1.1 S/MH)	GZ1 0-10V 1% min FPC Phase Cut Dimming 1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant						
	08LM 800 lumens	WDIM HALR 3000K - 1800K																		
	12LM 1200 lumens																			
	15LM 1500 lumens																			
	17LM 1700 lumens																			
	Tunable White														90CRI	15D 15° beam 20D 20° beam 24D 24° beam 35D 35° beam 45D 45° beam 55D 55° beam 50D20D 50°x 20° WD Wide (1.1 S/MH)	GZ1 0-10V 1% min EZ1 eldoLED 0-10V linear 1% min EZB eldoLED 0-10V log <1% min NLT ⁶ nLight nTune interface EDAB eldoLED DALI 6 log <1% min EDABT8 eldoLED DALI 8 log <1% min	120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant
	12LM 1200 lumens	TUWH 5000K - 2700K																		
	17LM 1700 lumens																			
	22LM 2200 lumens																			

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Downlight Reflector 4SQD Deep Downlight Cone	W White Paint CD Clear Diffuse BD Black Diffuse WTD Wheat Diffuse	Flanged SF Self Flanged WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁸ FM Flangeless	(blank) Open Damp Location WET Solite Wet Location	Flanged (blank) Ceiling Thickness < 0.875" CTA4SQ/125 Ceiling Thickness 0.875" - 1.25" CTA4SQ/163 Ceiling Thickness 1.25" - 1.625" CTA4SQ/200 Ceiling Thickness 1.625" - 2" Flangeless (Gypsum) FMA4SQ/087 Ceiling Thickness < 0.875" FMA4SQ/125 Ceiling Thickness 0.875" - 1.25" FMA4SQ/163 Ceiling Thickness 1.25" - 1.625" FMA4SQ/200 Ceiling Thickness 1.625" - 2"
Bevel 4SQDBV BD Downlight Bevel	Bevel Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless⁸ WHFM White, Flangeless BLFM Black, Flangeless		(blank) Open Damp Location WET Solite Wet Location	Flangeless (Wood Stone Tile)⁹ SFM4SQ/087 (B,W) Ceiling Thickness < 0.875" SFM4SQ/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM4SQ/163 (B,W) Ceiling Thickness 1.25" - 1.625"

Ordering Notes:

- 32LM not available with ICAT and CP.
- 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
- For WDIM, 10D only available with 08LM and 12LM; 15D only available with 15LM and 17LM.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with 17LM WDIM or 22LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA4SQ or SFM4SQ option.
- Specify finish: B = Black, W = White.

AX4 Architectural Downlights

4" Square New Construction Wall Wash Housings Example: AX4SQ WW 27LM 30K 95CRI 24D FPC 120 ICAT 4SQFWW CD SF

Housing	Lumens	CCT	CRI	Driver	Voltage ³	Ratings	Options	
AX4SQ WW New Construction Wall Wash	Static White							
	12LM	1200 lumens	27K 2700K	80CRI	GZ1 0-10V 1% min	120	(blank) Non-ICAT	NLIGHT⁵ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R⁶ Emergency 6W battery pack with remote test switch, T20 compliant
			30K 3000K	90CRI	EZ1 0-10V eldoLED linear 1% min	277	CP ⁴ Chicago Plenum	
	17LM	1700 lumens	35K ² 3500K	95CRI	EZB 0-10V eldoLED log <1% min	MVOLT (120-277)	ICAT ⁴ IC Rated, Air-tight	
	22LM	2200 lumens	40K ² 4000K		EDXB eldoLED DMX square <1% min			
	27LM	2700 lumens			EDAB eldoLED DALI 6 log <1% min			
	32LM ¹	3200 lumens			FPC Phase Cut Dimming 1% min			
					ECOD Lutron EcoSystem 1% min			
	WarmDim[®]							
	08LM	800 lumens	WDIM HALR 3000K - 1800K	90CRI	GZ1 0-10V 1% min			
	12LM	1200 lumens			FPC Phase Cut Dimming 1% min			
	15LM	1500 lumens						
	17LM	1700 lumens						
	Tunable White							
	12LM	1200 lumens	TUWH 5000K - 2700K	90CRI	GZ1 0-10V 1% min			
17LM	1700 lumens			EZ1 eldoLED 0-10V linear 1% min				
22LM	2200 lumens			EZB eldoLED 0-10V log <1% min				
				NLT ⁵ nLight nTune interface				
				EDAB eldoLED DALI 6 log <1% min				
				EDABT8 eldoLED DALI 8 log <1% min				

Trim	Reflector Finish	Flange Style/Finish	Ceiling Installation
Lensed Wall Wash		Flanged	Flanged
4SQFWW Lensed Wall Wash	W White Paint CD Clear Diffuse BD Black Diffuse WTD Wheat Diffuse	SF Self Flanged WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁷ FM Flangeless	(blank) Ceiling Thickness < 0.875" CTA4SQ/125 Ceiling Thickness 0.875" - 1.25" CTA4SQ/163 Ceiling Thickness 1.25" - 1.625" CTA4SQ/200 Ceiling Thickness 1.625" - 2" Flangeless (Gypsum) FMA4SQ/087 Ceiling Thickness < 0.875" FMA4SQ/125 Ceiling Thickness 0.875" - 1.25" FMA4SQ/163 Ceiling Thickness 1.25" - 1.625" FMA4SQ/200 Ceiling Thickness 1.625" - 2" Flangeless (Wood Stone Tile)⁸ SFM4SQ/087 Ceiling Thickness < 0.875" SFM4SQ/125 Ceiling Thickness 0.875" - 1.25" SFM4SQ/163 Ceiling Thickness 1.25" - 1.625"

Ordering Notes:

- 32LM not available with ICAT and CP.
- 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with 17LM WDIM or 22LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1, EZB (for static white) or GZ1 (for warmDim). NLT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA4SQ or SFM4SQ option.
- Specify finish: B = Black, W = White.

Aculux Initia™

Affordable, elegant precision recessed lighting

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. This family of downlight, adjustable accent, and wall wash luminaires features superb color consistency and multiple lumen packages in a variety of styles for unparalleled design flexibility. In addition, Initia has a

WarmDim option (3000K-1800K) offered in two lumen packages: 800 and 1000 delivered lumens. The WarmDim option enables you to dim the luminaire, but at the same time warm the color temperature mimicking the ambiance of halogen dimming resulting in a warm, yet powerful overall ambiance. With Aculux initia, sophisticated and high-performance downlighting has never been more attainable.



New Construction IC/CP Rated



New Construction NON-IC Rated



Remodel Adjustable



Remodel Fixed



3" Round New Construction and Remodel Adjustable Housings

Example: INIT3 A 12LM 30K 90CRI 25D EZ1 MVOLT NT3ABV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Ratings	Options
INIT3 A New Construction Adjustable	Static White		80CRI 90CRI ³	18D 18° beam 25D 25° beam 35D 35° beam 50D 50° beam	FPC Phase cut dim (1% min) EZ1 eidoLED 0-10V (linear 1% min)	120 277 MVOLT (120-277)	(blank) Non-IC Rated CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming E5WT20R ⁷ Emergency 5W battery pack with remote test switch, T20 compliant
	04LM ¹ 400 lumens	27K 2700K						
	08LM 800 lumens	30K 3000K						
	12LM 1200 lumens	35K 3500K						
INIT3 AR Remodel Adjustable	WarmDim®		90CRI	25D 25° beam 35D 35° beam 50D 50° beam	GZ1 0-10V (Linear 1% min) ECOD Lutron EcoSystem (1% min)		E5WR ⁷ Emergency 5W battery pack with remote test switch	
	08LM 800 Lumens	WDIM HALR 3000K - 1800K						

Adjustable Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflector NT3AC Angle Cut Reflector (0-35°)	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁸ FM Flangeless	(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3FMA Ceiling 0.5" - 1.5"
Bevels NT3ABV BD Bevel Adjustable (0-35°) NT3SHABV BD Dead Front, Non Conductive Shower Bevel Adjustable (0-35°)	Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless⁸ WHFM White, Flangeless BLFM Black, Flangeless		(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3FMA Ceiling 0.5" - 1.5"
Pinhole NT3APIN BD 1 3/4" Pinhole Adj (0-35°)				

Ordering Notes:

- 04LM available with FPC driver only.
- 15LM not available with AR or ICAT.
- 90CRI not available on 40K CCT.
- MVOLT standard on EZ1, GZ1, ECOD unless NLIGHT specified. Must be 120 for FPC.
- CP & ICAT available on new construction only.
- NLIGHT available on Non-IC with EZ1 only. Must specify 120 or 277 volts.
- E5WT20R & E5WR not available with remodel, ICAT, or CP.
- For flangeless trims, must specify flangeless installation (NT3FMA).

3" Round New Construction and Remodel Downlight & Wall Wash Housings

Example: INIT3 D 15LM 30K 90CRI 25D EZ1 MVOLT NT3DP CD SF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage*	Ratings	Options
INIT3 D New Construction Downlight & Wall Wash	Static White		80CRI 90CRI ²	18D 18° beam 25D 25° beam 35D 35° beam 50D 50° beam	FPC Phase cut dim (1% min) EZ1 eldoLED 0-10V (linear 1% min)	120 277 MVOLT (120-277)	(blank) Non-IC Rated CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming E5WT20R ⁷ Emergency 5W battery pack with remote test switch, T20 compliant E5WR ⁷ Emergency 5W battery pack with remote test switch
	04LM ¹ 400 lumens	27K 2700K						
	08LM 800 lumens	30K 3000K						
	12LM 1200 lumens	35K 3500K						
INIT3 DR Remodel Downlight & Wall Wash	WarmDim®		90CRI	25D 25° beam 35D 35° beam 50D 50° beam	GZ1 0-10V (Linear 1% min) ECOD ³ Lutron EcoSystem (1% min)			E5WR ⁷ Emergency 5W battery pack with remote test switch
	08LM 800 Lumens	WDIM HALR 3000K - 1800K						
	10LM ⁹ 1000 lumens							

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflector NT3DP Deep Reflector	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁸ FM Flangeless	(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3FMA Ceiling 0.5" - 1.5"
Bevels NT3DBV BD Bevel Downlight NT3SHBV BD Dead Front, Non Conductive Shower Bevel Downlight	Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless⁸ WHFM White, Flangeless BLFM Black, Flangeless		(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3FMA Ceiling 0.5" - 1.5"
Pinhole NT3DPIN BD 1 3/4" Pinhole Downlight				

Wall Wash Trim	Reflector Finish	Flange Style/Finish	Environment	Ceiling Installation
Lensed Wall Wash NT3WW Lensed Wall Wash	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless⁸ FM Flangeless	(blank) Damp Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3FMA Ceiling 0.5" - 1.5"

Ordering Notes:

- 04LM available with FPC driver only.
- 90CRI not available on 40K CCT.
- ECOD not available with ICAT at 15LM.
- MVOLT standard on EZ1, GZ1, ECOD unless NLIGHT specified. Must be 120 for FPC.
- CP & ICAT available on new construction only.
- NLIGHT available on Non-IC with EZ1 only. Must specify 120 or 277 volts.
- E5WT20R & E5WR not available with remodel, ICAT, or CP.
- For flangeless trims, must specify flangeless installation (NT3FMA).
- 10LM WDIM not available with ICAT or CP.

3" Square New Construction and Remodel Adjustable Housings

Example: INIT3SQ A 12LM 30K 90CRI 25D EZ1 MVOLT NT3SQABV BD WHSF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Ratings	Options
INIT3SQ A New Construction Adjustable	Static White		80CRI 90CRI ³	18D 18° beam 25D 25° beam 35D 35° beam 50D 50° beam	FPC Phase cut dim (1% min) EZ1 eidoLED 0-10V (linear 1% min)	120 277 MVOLT (120-277)	(blank) Non-IC Rated CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming E5WT20R ⁷ Emergency 5W battery pack with remote test switch, T20 compliant
	04LM ¹ 400 lumens	27K 2700K						
	08LM 800 lumens	30K 3000K						
	12LM 1200 lumens	35K 3500K						
INIT3SQ AR Remodel Adjustable	WarmDim [®]		90CRI	25D 25° beam 35D 35° beam 50D 50° beam	GZ1 0-10V (Linear 1% min) ECOD Lutron EcoSystem (1% min)			E5WR ⁷ Emergency 5W battery pack with remote test switch
	08LM 800 Lumens	WDIM HALR 3000K - 1800K						

Adjustable Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflector NT3SQA Angle Cut Reflector (0-35°)	W White Paint CD Clear Diffuse BD Black Diffuse WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless ⁸ FM Flangeless	(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3SQFMA Ceiling 0.5" - 1.5"
Bevels NT3SQABV BD Bevel Adjustable (0-35°) NT3SQSHABV BD Dead Front, Non Conductive Shower Bevel Adjustable (0-35°)	Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless ⁸ WHFM White, Flangeless BLFM Black, Flangeless		(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3SQFMA Ceiling 0.5" - 1.5"
Pinhole NT3SQAPIN BD 1 3/4" Pinhole Adj (0-35°)				

Ordering Notes:

- 04LM available with FPC driver only.
- 15LM not available with AR or ICAT.
- 90CRI not available on 40K CCT.
- MVOLT standard on EZ1, GZ1, ECOD unless NLIGHT specified. Must be 120 for FPC.
- CP & ICAT available on new construction only.
- NLIGHT available on Non-IC with EZ1 only. Must specify 120 or 277 volts.
- E5WT20R & E5WR not available with remodel, ICAT, or CP.
- For flangeless trims, must specify flangeless installation (NT3SQFMA).

3" Square New Construction and Remodel Downlight & Wall Wash Housings

Example: INIT3SQ D 15LM 30K 90CRI 25D EZ1 MVOLT NT3SQD CD SF

Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ^a	Ratings	Options
INIT3SQ D New Construction Downlight & Wall Wash	Static White		80CRI 90CRI ²	18D 18° beam 25D 25° beam 35D 35° beam 50D 50° beam	FPC Phase cut dim (1% min) EZ1 eldoLED 0-10V (linear 1% min)	120 277 MVOLT (120-277)	(blank) Non-IC Rated CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming E5WT20R ⁷ Emergency 5W battery pack with remote test switch, T20 compliant
	04LM ¹ 400 lumens	27K 2700K						
	08LM 800 lumens	30K 3000K						
	12LM 1200 lumens	35K 3500K						
INIT3SQ DR Remodel Downlight & Wall Wash	WarmDim [®]		90CRI	25D 25° beam 35D 35° beam 50D 50° beam	GZ1 0-10V (Linear 1% min) ECOD ³ Lutron EcoSystem (1% min)		ICAT ⁵ IC Rated, Air-tight	E5WR ⁷ Emergency 5W battery pack with remote test switch
	08LM 800 Lumens	WDIM HALR 3000K - 1800K						
	10LM ⁹ 1000 lumens							

Downlight Trim	Reflector Finish	Flange Style/Finish	Trim Lens Environment	Ceiling Installation
Reflector NT3SQD Deep Reflector	W White Paint CD Clear Diffuse BD Black Diffuse WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless ⁸ FM Flangeless	(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3SQFMA Ceiling 0.5" - 1.5"
Bevels NT3SQDBV BD Bevel Downlight NT3SQSHDBV BD Dead Front, Non Conductive Shower Bevel Downlight	Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless ⁸ WHFM White, Flangeless BLFM Black, Flangeless		(blank) Open Damp Location WSOL Solite Wet Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3SQFMA Ceiling 0.5" - 1.5"
Pinhole NT3SQDPIN BD 1 3/4" Pinhole Downlight				

Wall Wash Trim	Reflector Finish	Flange Style/Finish	Environment	Ceiling Installation
Lensed Wall Wash NT3SQWW Lensed Wall Wash	W White Paint CD Clear Diffuse BD Black Diffuse WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish) Flangeless ⁸ FM Flangeless	(blank) Damp Location	Flanged (blank) Ceiling 0.5" - 1.5" Flangeless (Gypsum) NT3SQFMA Ceiling 0.5" - 1.5"

Ordering Notes:

- 04LM available with FPC driver only.
- 90CRI not available on 40K.
- ECOD not available with ICAT at 15LM.
- MVOLT standard on EZ1, GZ1, ECOD unless NLIGHT specified. Must be 120 for, FPC.
- CP & ICAT available on new construction only.
- NLIGHT available on Non-IC with EZ1 only. Must specify 120 or 277 volts.
- E5WT20R & E5WR not available with remodel, ICAT, or CP.
- For flangeless trims, must specify flangeless installation (NT3SQFMA).
- 10LM WDIM not available with ICAT or CP.

Accessories - initia™

Beam Control Lenses & Filters		Replacement Optics		Optional Installation Accessories
Beam Control Lens		Static White Optics		Bar Hangers
DIFF 200	Diffuse Spread Lens	NT3OPT/18D	18° beam	HB26 26" C-Channel Bar Hangers
SOLITE 200	Solite Uniformity Lens	NT3OPT/25D	25° beam	HB50 50" C-Channel Bar Hangers
PRISM 200	Prismatic Lens	NT3OPT/35D	35° beam	LB27 27" Linear Bar Hangers
LSPREAD 200	Linear Spread Lens	NT3OPT/50D	50° beam	<i>Note: Fixture supplied with residential style bar hangers (except when specified with battery)</i>
HCLBL200	Hexcell Louver			
UV Filter & Color Correction		WarmDim® Optics		
UVF 200	UV Filter Lens	NT3WDOPT/25D	25° beam	
DCCF 200 HAL4250	Daylight Blue Correction	NT3WDOPT/35D	35° beam	
		NT3WDOPT/50D	50° beam	

Trims

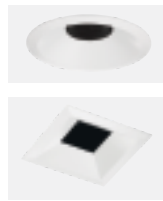
Downlight



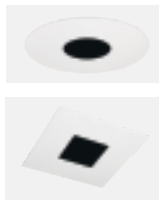
Deep Reflectors



Bevels



Flat Pinholes



Finishes



White Paint

Clear Diffuse

Clear Specular



Wheat Diffuse



Black Specular



White Paint



Clear Diffuse



Wheat Diffuse



Black Diffuse

Flange Style

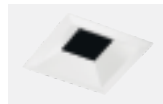
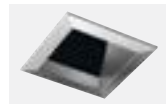


Flanged



Flangeless (Gypsum)

Adjustable Accent



Lensed Wall Wash



Lensed Wall Wash



Aculux Lini™

Diminutive Size, Exceptional Performance

The newest member of the Aculux family, 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. Lini is also the industry's only comprehensive

miniature linear downlight, adjustable accent, and wall wash family offering truly coordinated apertures. Aculux lini recessed luminaires provide sophisticated, modern minimalism to any residential, hospitality, or corporate environment.





Downlight



Adjustable



Wall Wash

1" Linear Recessed

Example: : LN1SQ D 04C 27K 90CRI R15D UGZ MVOLT CP ICAT BS FM

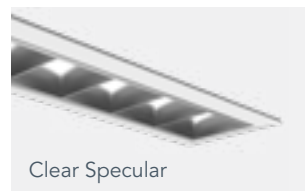
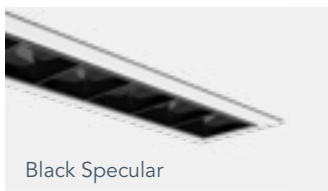
Housing	Lumens	CCT	CRI	Beam	Driver	Voltage	Options
LN1SQ A New Construction Adjustable	02C 2 cell 04C 4 cell 06C 6 cell	27K 2700K 30K 3000K 35K 3500K	80CRI 90CRI ¹	Reflector Optics R15D 15° beam R25D 25° beam R35D 35° beam R50D 50° beam	UGZ Phase cut & 0-10V 1% min	MVOLT (120-277)	NLIGHT ³ nLight® Dimming pack (must be remote mounted)
LN1SQ D New Construction Downlight	08C 8 cell 12C 12 cell	40K 4000K		TIR Optics T15D 15° beam T25D 25° beam T35D 35° beam T50D 50° beam			
LN1SQ WW New Construction Wall Wash				TIR Optics are Wet Location Listed			

Construction	Baffle Finish	Flange Style/Finish
CP ICAT Chicago Plenum & IC Rated, Air tight	BS Black Specular W White CS Clear Specular WTS Wheat Specular	Flanged WHSF White Trim Flange BLSF Black Trim Flange Flangeless (Gypsum) FM Flangeless Gypsum Flangeless (Wood, Stone, Tile) SFM Flangeless Millwork, Stone, Tile

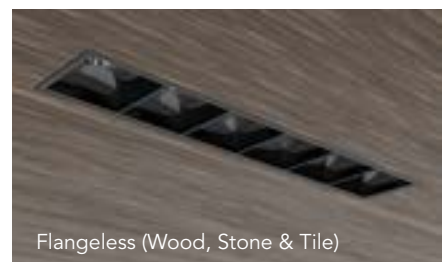
Ordering Notes:

¹ 90CRI available on 27K and 30K only

Finishes



Flange Styles



See specification sheets for all accessories.



ACULUX®