



ACOLYTE

Complete Integrated LED Lighting Solutions



APPLICATION GUIDE

A COMPLETE GUIDE TO SELECTING, INSTALLING
AND MAINTAINING YOUR LED LIGHTING SYSTEM

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THE ACOLYTE ADVANTAGE

STATE-OF-THE-ART DIFFERENCE

Acolyte utilizes the highest-quality components and advanced technology. Our RibbonLyte is made with 3-ounce copper board that dissipates heat three times more efficiently than the competition, resulting in best-in-class run lengths.

Acolyte uses a 2-step MacAdam ellipse binning process for white LEDs. This fully integrated design includes our proprietary PhosphorTech Phosphor. We create a low tolerance for deviation by formulating proprietary batches of phosphor for each of our color temperatures.

By manufacturing our LEDs this way, we can ensure the most accurate color temperature, CRI and hue, time after time. We run photometric, spectral and colormetric tests for our LEDs and also optimize a selection of 30 aluminum channels for styling and performance. Our commitment to quality control ensures accurate color reproduction and standardized light quality throughout our entire product line.

WORLDWIDE OFFICES & WORLD-CLASS CUSTOMER SUPPORT

Acolyte Industries is a global LED manufacturer that strives to provide first-class customer service. We have more than 70 lighting agency offices in the United States, Canada, Middle East, India, Australia, New Zealand and the Caribbean and Asia-Pacific areas ready to help you achieve your lighting needs by providing a one-stop-shop for everything from flexible linear LEDs to complete fixtures, controls and mounting accessories. It is Acolyte's goal to provide our clients with Complete Integrated LED Lighting Solutions.

With over 10 years' experience, we have completed over 20,000 installations worldwide with full-service application support, including our detailed tracking system that provides information about any product order, in real time. All of our orders ship with photometric reports to ensure that colors and color temperatures always match when reordering. Contact our customer support team to find out more about our products.



U.S. 24-HR TECHNICAL SUPPORT

Call 212 629 6830 *301
Email tech@acolyteled.com



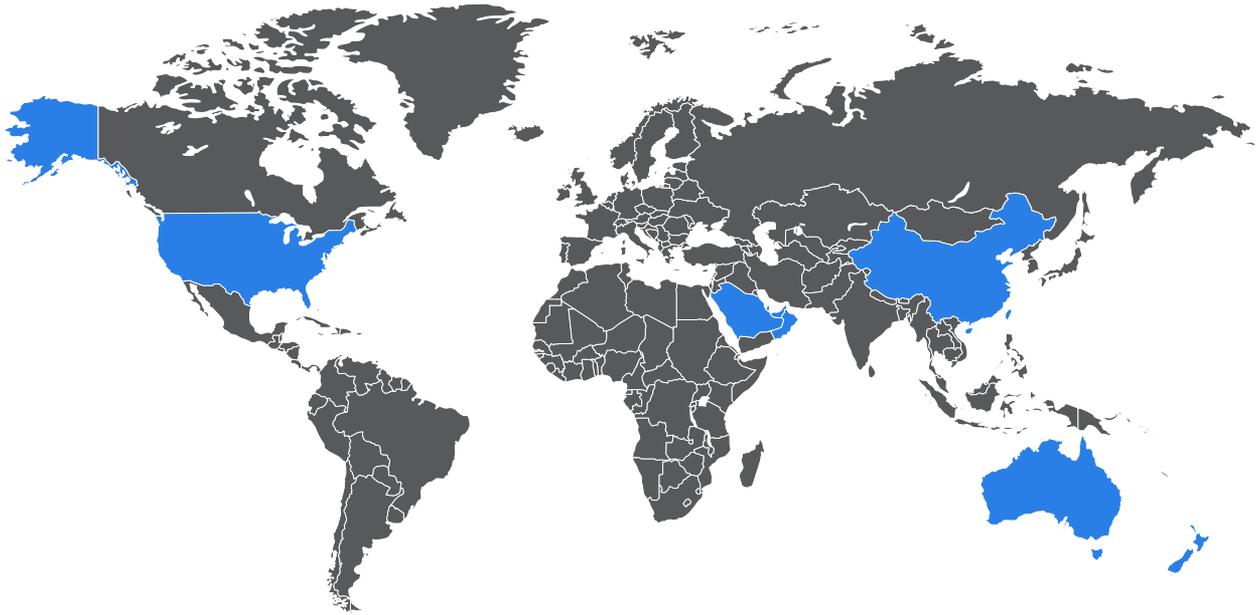
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Call 212 629 6830 *300
Email ss@acolyteled.com



U.S. CUSTOMER SERVICE

Call 212 629 6830 *304
Email cs@acolyteled.com



UNITED STATES

HEADQUARTERS
19 W 36th Street, 6th Floor
New York, NY 10018

T: (+1) 212 629 6830
F: (+1) 772 382 8379
sales@acolyteled.com

PRODUCTION FACILITY
100 Passaic St,
Garfield, NJ 07026
sales@acolyteled.com

MIDDLE EAST

SALES OFFICE
P.O. BOX 940449
Dubai, United Arab
Emirates

T: (+971) (0) 48 824 065
salesme@acolyteled.com

**AUSTRALIA
NEW ZEALAND**

SALES OFFICE
U49, 1-31 Elsie St.
Kallangur, Queensland
P.O. BOX 64
Australia, 4503

T: (+61) 0452.532.531
salesanz@acolyteled.com

ASIA

ACOLYTE ASIA
5/F Building B,
Jia'an Industrial Zone,
Liuxian 2nd Road,
Bao'An Shenzhen,
China, 518101

T: (+86) 755 8529 0710
salesasia@acolyteled.com

SALES OFFICE
Unit 18, 3/F, Shing Yip Ind.
Bldg, 19-21 Shing Yip St.
Kwun Tong, Hong Kong

T: (+852) 2964 0333
salesasia@acolyteled.com

SALES OFFICE
10 Ang Mo Kio Street 65
#02, 15/16 TechPoint
Singapore 569059

T: (+65) 8168 0414
salesasia@acolyteled.com

SALES OFFICE
6/F, No 89 Yunling Road East
Putuo District
Shanghai 200062

T: (+86) 180 2100 0556
salesasia@acolyteled.com

INTRODUCTION TO LED_s

Quality components are integral to LED technology. With thousands of installations over a 10-year period, Acolyte has the experience to manufacture energy-efficient lighting systems that will deliver true color today and in years to come.

TERMINOLOGY

LUMENS: The total measured light output of a fixture.

WATTAGE: The amount of energy required for a device to function.

LUX: Lumens per square meter, measures the amount of light in a given area, in the metric measurement system.

FOOT-CANDLES: Lumens per square foot - measures the amount of light in a given area, in the imperial measurement system.

CRI: Color rendering index - a method of measuring how well a light source renders colors in the objects it illuminates when compared to a perfect light source.

*All wattages and color temperatures of Acolyte Static White RibbonLyte are 90+ CRI.

HEAT SINKING



WHILE LED_s GENERATE LESS HEAT THAN INCANDESCENTS, IT CAN STILL BE DETRIMENTAL TO PERFORMANCE.

Heat sinking is a process that utilizes conductive materials to draw heat away from the LED. Instead of using only 1 ounce of copper like other manufacturers, Acolyte LED uniquely uses 3 ounces of copper in our RibbonLyte. Since heat naturally moves to areas with lower temperatures, the greater volume of aluminum copper underneath our RibbonLyte dissipates heat faster. Acolyte uses heat sinking technology to efficiently and effectively extend the life of LED_s.

LUMENS PER WATT



LUMENS PER WATT IS A MEASUREMENT OF HOW EFFICIENT YOUR LIGHTING PRODUCT IS, SPECIFICALLY, HOW MANY LUMENS YOU OBSERVE PER WATT OF POWER CONSUMED.

A lumen itself is the unit of measurement for luminous flux. It does not take into account lighting direction, or distance from the light source; it is simply the total measure of visible light emitted. Lumens are not exactly a measurement of light, but a measure of how much light we see with our eyes. By emitting more lumens from a fixture with less power consumed, LED_s are more efficient than traditional incandescent light sources and have a higher ratio of lumens per watt.

BINNING



LIMITING VARIATION IN COLOR TEMPERATURE GUARANTEES THAT ALL LED_s OF THE SAME WATTAGE AND COLOR TEMPERATURE WILL LOOK THE SAME.

Acolyte uses a 2-step MacAdam ellipse binning process for white LED_s, meaning that the color temperature will not only be consistent throughout your order, but in any future orders, too. Tight, forward voltage binning also standardizes the power consumption of our products.



PHOSPHORS

PROPRIETARY PHOSPHORS HELP US ACHIEVE PERFECT COLOR TEMPERATURES.

Acolyte uses a propriety combination of phosphors on top of blue diodes to create white light. We ensure that our phosphor evenly coats the diodes, resulting in even light transmission. Competitors often do not coat their diodes evenly, resulting in uneven color balancing and individual LEDs that can shift in color temperature from edge to center.



CERTIFICATIONS

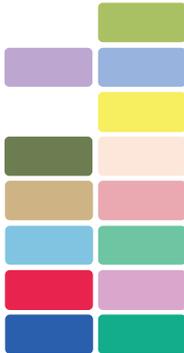
Our products meet and exceed industry certifications to resist weather conditions and safeguard against operational failure. They also conform to industry regulations in regards to hazardous materials.



LEDs VS. INCANDESCENT LIGHTING

USE OUR CHANNELS AND LENSES TO PUT LUMENS WHERE YOU NEED THEM.

Incandescent lighting is omnidirectional, spanning 360°. As a result, much of the emitted light is wasted. When used inside a channel, Acolyte LEDs offer greater directional control and less light loss than traditional incandescent fixtures.



CRI - COLOR RENDERING INDEX

OUR LED COLOR TEMPERATURES ARE MEASURED FOR COLOR FIDELITY.

CRI is calculated by measuring how well a light source renders specific colors, compared to a perfect incandescent light source. The specific colors measured in this comparison are given numbers that range from R1 to R14. These are called R-values. They represent 14 different hues, and they are measured on a scale up to 100. To quantify how well a light source accurately renders specific colors, in comparison with an ideal or natural light source, the CRI Index is utilized as a means of comparison.



MINIMIZE LINE LOSS

RIBBONLYTE'S 3 OUNCE COPPER BOARD MINIMIZES VOLTAGE DROP AND LINE LOSS.

This allows the product to be installed across longer distances before additional power is needed.

BEST PRACTICES / APPLICATIONS

There are many underlying aesthetic principles to consider when choosing how to apply your RibbonLyte. Use this page to observe some general guidelines and get started on your project more quickly.



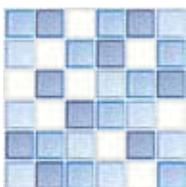
REFLECTIVE SURFACES

For shiny surfaces, consider placing your RibbonLyte at 45° to help mitigate reflection from nearby surfaces. To fully conceal the appearance of LED spots, try using our Super Populated RibbonLyte with a milky lens to obscure visible diodes and bathe even, shiny surfaces in continuous light.



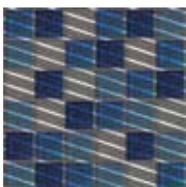
MATTE SURFACES

For matte surfaces, there is a wider variety of options for how to apply your RibbonLyte. Refer to pages 6-18 in this guide for specifics.



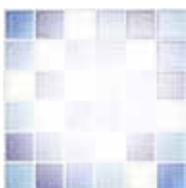
CONTRAST

Contrast refers to the variance in illumination between different parts of a room. If there is high contrast, your eyes will strain to continually readjust to the varied levels of light, and you'll end up with shadows that will make your room look smaller.



SHADOWS

Avoid placing high-intensity lights far apart, use reflected light and localized fixtures. Keep in mind that large objects and people will likely cast distracting shadows, so avoid placing lights behind places where you sit or stand.



GLARE

Take note of shiny surfaces in a room, this can include anything from table tops to picture frames. Our eyes will try to compensate for the glare, making it strenuous and difficult to see the object creating the glare. To avoid such distractions, bathe your workspace in non-directional light that evenly illuminates the entire area.



Try keeping your work areas more brightly lit than the rest of the room—it will help you stay focused longer and puts the light where you need it, using less power.

Keeping the lenses free of dust will let them shine their brightest. The easiest way to keep your RibbonLyte clean is with channels and lenses. Our no-touch sensors allow you to control the lighting hands-free.

COLOR TEMPERATURE

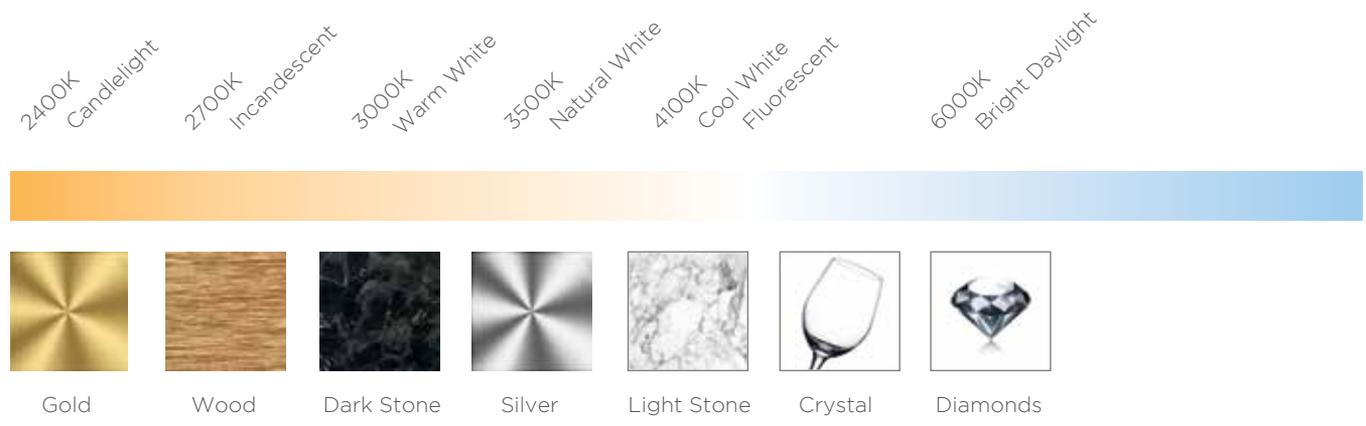
We offer diverse lighting options to enhance every tone. Our Static White RibbonLyte is available in six color temperatures, covering the gamut from 2400K candle white, to 6000K daylight white. Observe the chart on this page to see which color temperature will suit your lighting needs. Images below the graph refer to materials; corresponding Kelvin temperatures on the left tell you which color temperature will illuminate them best.

WARM TONES

If your room has dark tones, such as richly colored tiles or warm upholstery, we recommend that you match them with a warm-toned RibbonLyte, like one of our 2400K-3500K options.

COOL TONES

If your room has cool tones, such as marble accents and white furniture, we recommend that you use cooler colors, like our 4100K or 6000K products.



Remember that light influences the perceived color of the surface you illuminate.

Think about what kind of a mood you want to set. Warm tones are inviting and comforting-while cool tones are crisp and invigorating.

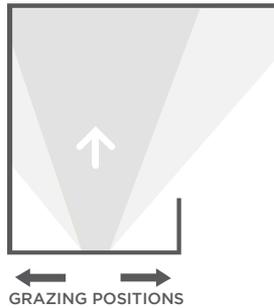
COVE LIGHTING

Use cove lighting to make any space feel grand. Aesthetically pleasing cove lighting highlights a cove's architectural detail and makes a bold statement.



CHOOSE THE BEST CHANNEL FOR COVES AND THE PROPER METHOD FOR LIGHTING YOUR SPACE

We provide the proper lighting systems to accent any space. Consider the lumen output of your RibbonLyte in relation to the height and depth of your cove. Below is a reference chart to help you create the highlights to enhance the atmosphere of your environment.



LIGHTING YOUR COVE

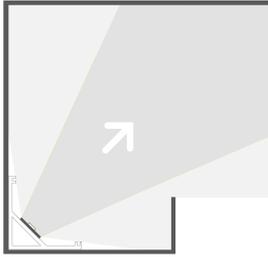
When lighting your room, the cove will be brightly illuminated with maximum light coverage across the ceiling area.

The placement of the channel will determine the spread and throw of light. When placed in the back corner, RibbonLyte will only illuminate the cove. Rather than streaming outwards towards the rest of the ceiling, this light will have a dense appearance.

We recommend AT1, AT2, AT4, AT5, AP1 AS1, AS2, AS3, AS6, AT11, C22 and Round Channels for this application.

X"	Y"	RIBBONLYTE						CHANNEL		LENS
		1.5	3.0	4.4	6.0	SP 6.0	8.8	AS1	AS3	
2	2	•						•		MILKY/FROSTED
2	4	•						•		MILKY/FROSTED
2	6		•					•		MILKY/FROSTED
2	8			•				•		MILKY/FROSTED
4	2			•				•		MILKY/FROSTED
4	4				•			•		MILKY/FROSTED
4	6					•		•		MILKY/FROSTED
4	8						•	•		MILKY/FROSTED
6	2						•	•		MILKY/FROSTED
6	4							•		MILKY/FROSTED
6	6							•		MILKY/FROSTED
6	8								•	MILKY/FROSTED
8	2								•	MILKY/FROSTED
8	4								•	MILKY/FROSTED
8	6								•	MILKY/FROSTED
8	8								•	MILKY/FROSTED

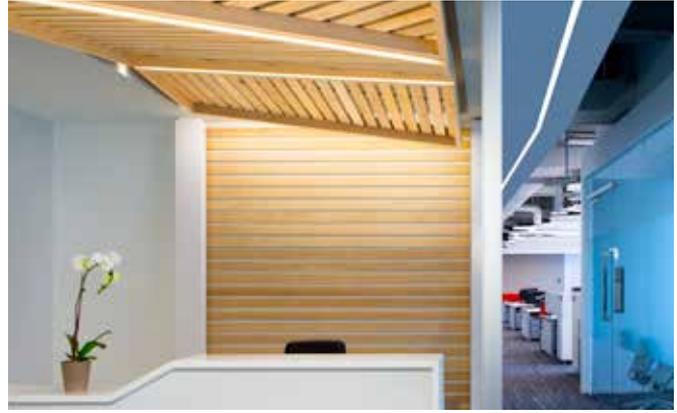
X - Cove Height in Inches Y - Cove Depth in Inches



LIGHTING YOUR ROOM

When lighting the details of your space, using an angled channel will project your light outwards, at a 45° angle. This will illuminate the largest area of your ceiling.

We recommend AC1, AC2, AC3, AC4, AC5 Channels for this application.



X" Y"	RIBBONLYTE					CHANNEL				LENS
	1.5	3.0	6.0	SP 6.0	8.8	AC1	AC2	AC4	AC5	
2 2	•					•	•			MILKY
2 4	•					•	•			MILKY
2 6	•					•	•			MILKY
2 8	•					•	•			MILKY
4 2		•				•	•			MILKY
4 4		•				•	•			MILKY
4 6			•			•	•			MILKY
4 8			•			•	•			MILKY
6 2				•		•	•			MILKY
6 4				•		•	•			MILKY
6 6				•		•	•			MILKY
6 8				•		•	•			MILKY
8 2					•			•	•	MILKY
8 4					•			•	•	MILKY
8 6					•			•	•	MILKY
8 8					•			•	•	MILKY

X - Cove Height in Inches Y - Cove Depth in Inches



LIGHTING POCKET COVES

When lighting textured surfaces from a pocket cove, use a tight beam angle to exacerbate shadows. Placing a channel very close to the surface and using a tight angle will draw attention to texture and create drama.

We recommend Super Populated 6.0 RibbonLyte inside AS20G Channel for this application.

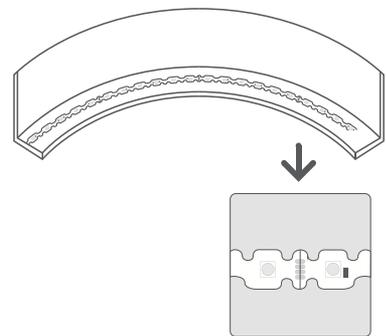
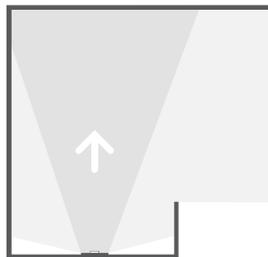
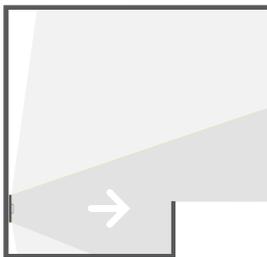


ILLUMINATE CURVED COVES

We offer a variety of options to illuminate the curves and contours of any space. Matrix RibbonLyte was designed to easily create organic shapes and forms that flow seamlessly around soft curves and racetrack coves. This product can also be shaped into hard corners, making it the ideal lighting solution for every situation.

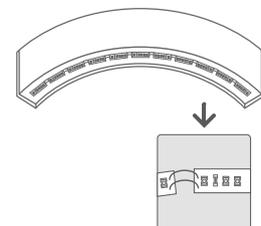
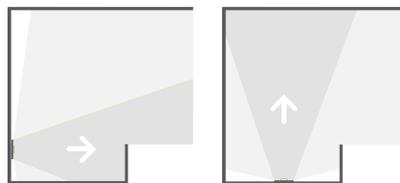
MATRIX RIBBONLYTE

Acolyte's Matrix RibbonLyte has a flexible design, perfect for making curved runs and hard corners. Light can be directed from 0° to 90°.



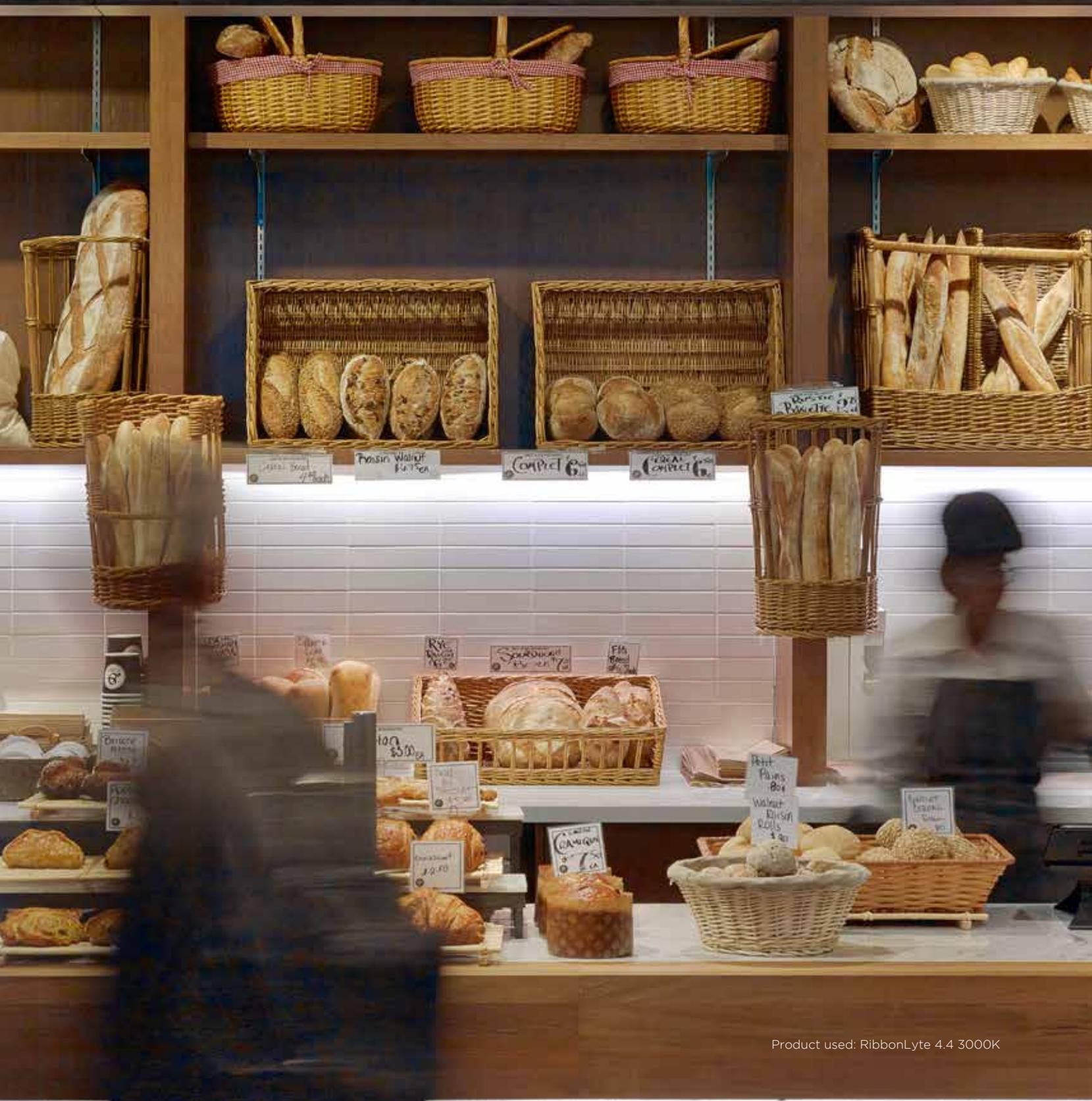
DAISY-CHAINED RIBBONLYTE

Daisy-chaining is an additional, more labor-intensive solution that requires small strips of RibbonLyte to be linked together. Combining RibbonLyte with channels instead of daisy-chaining provides you with more options, including weather resistant applications.



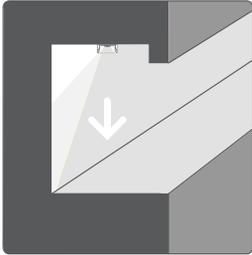
UNDER-CABINET LIGHTING

Highlight architectural features, a lovely backsplash, or simply make it easier to find what you need. Try illuminating bookshelves, drawers, and cabinets to help you stay organized in style.



ILLUMINATING UNDER YOUR CABINET

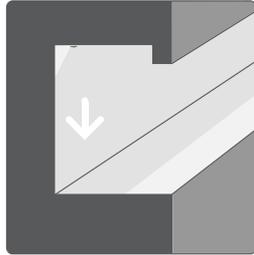
Adding light beneath cabinets is a great opportunity to activate low-light areas while increasing visibility in workspaces. Below is a reference chart depicting various ways RibbonLyte can be incorporated into cabinetry to enhance subtle details. For average-sized cabinets, around 18" tall, we recommend 6.0 Super Populated RibbonLyte.



GENERAL ILLUMINATION

The 90° angle is our most popular application. Ideal for non-reflective surfaces, it provides general illumination for under-cabinet space.

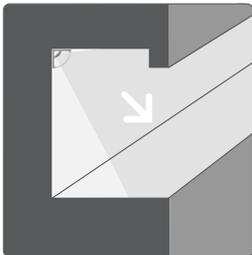
We recommend Super Populated 6.0 RibbonLyte inside AS1 or AR1 Channels for this application.



ILLUMINATE TEXTURES

A 90° grazing angle is ideal for showing off a textured backsplash and providing a soft glow under cabinets.

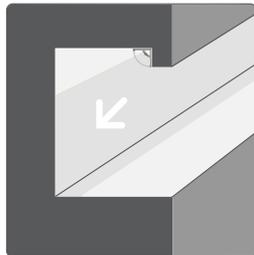
We recommend Super Populated 6.0 RibbonLyte inside ASG20 Channels for this application.



ILLUMINATE YOUR SPACE

A 45° outward angle is the most helpful for cooking and illuminating work spaces. This angle will increase visibility while preventing shadows from being cast, but it won't light backsplashes.

We recommend Super Populated 6.0 RibbonLyte inside AC2 Channels for this application.



ILLUMINATE DETAILS

A 45° inward angle, set behind a cabinet's lip, is great for showing off a backsplash, but will create shadows in your work area.

We recommend Super Populated 6.0 RibbonLyte inside AC2 Channels for this application.



TOE KICK LIGHTING

Often applied outdoors or under furniture and cabinets, toe kick lighting is an unexpected way to illuminate any pathway. Toe kick lighting makes it easy to safely maneuver dimly lit rooms or outdoor settings.

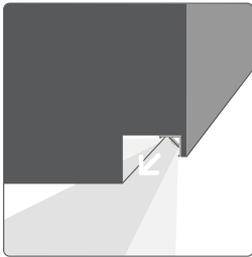


Product used: RGB RibbonLyte & Static White RibbonLyte

ILLUMINATE YOUR TOE KICKS

Toe kick lighting offers safe passage in low-light areas while highlighting architectural details by creating contrast and depth. Below is a reference chart depicting various ways RibbonLyte can be used to illuminate floor areas.

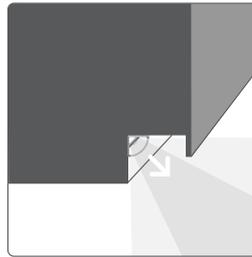
INDIRECT CABINET TOE KICKS



ILLUMINATE DETAILS

A 45° inward angle will project the light into a confined area with a tight radius.

We recommend 1.5 RibbonLyte inside AC2 Channels for this application.

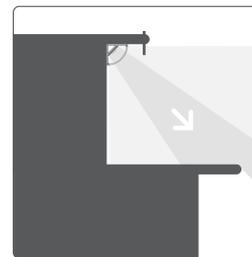


GENERAL ILLUMINATION

A 45° outward angle will project the light further away from the cove with a broader beam.

We recommend 1.5 RibbonLyte inside AC2 Channels for this application.

INDIRECT STAIRS TOE KICKS

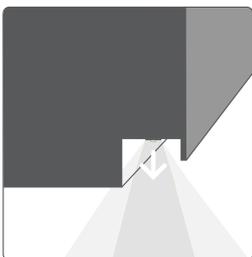


LIGHTING YOUR SPACE

A 45° outward angle will project the light further away from the ledge, providing illumination for a larger area.

We recommend 1.5 RibbonLyte inside AC2 Channels for this application.

DIRECT CABINET TOE KICKS

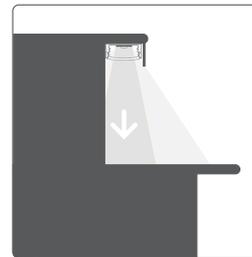


DIRECT ILLUMINATION

A 90° angle will project the light directly downwards, primarily into the cove.

We recommend 1.5 RibbonLyte inside AS1 Channels for this application.

DIRECT STAIRS TOE KICKS



GENERAL ILLUMINATION

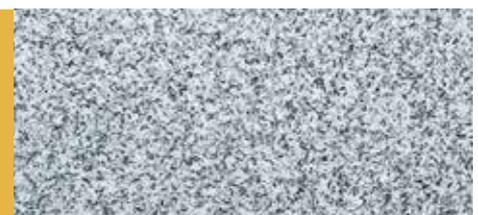
A 90° angle will project the light directly downwards, providing higher contrast to architectural details.

We recommend 1.5 RibbonLyte inside AS1 Channels for this application.



ILLUMINATING GRANITE

Granite's sheen can make diodes more visible. We recommend using a Milky Lens, Super Populated RibbonLyte and an outward angle to address any shine-related issues.



CLOSET LIGHTING

Our ETL certified closet lighting options using well-placed LEDs brings any dark and dreary closet to life. With a well-lit closet, all items can be put on display and not get lost in a unlit corner. With the capabilities to suit any closet, our LEDs can kick start anyone's day.



Product used: Ribbonlyte 3.0 3500K

THINGS TO CONSIDER FOR CLOSET LIGHTING

When lighting a closet, consider the size of the area, including the height of the ceiling, to determine which fixture will provide an even spread of light that renders the garments accurately.

MULTIPLE SHELVES AND TIERS

Consider illuminating your closet shelves with RibbonLyte. This type of light works much like general under-cabinet lighting. It will make your closet look larger, help you find things, and draw attention to your favorite pieces.

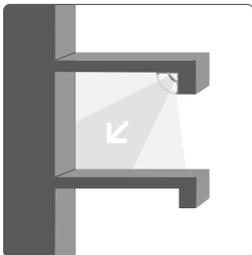
LIGHTING AS DECOR OR AS AN ACCENT

Even large closets are smaller than most rooms. If your closet is small, you can use a corner channel to provide overhead illumination while the actual fixture will remain unseen.

COLOR RECOMMENDATIONS

Try lighting your closet at 4100K or 3500K. These color temperatures will allow you to find what you need easily in a pleasantly-toned environment.

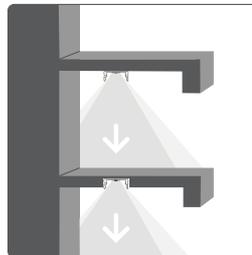
LIGHTING SOLUTIONS



INDIRECT SHELF LIGHTING

A 45° angle will help bring illumination to the back of your shelves and make them appear larger. Since you're lighting closet shelves, you won't need to worry about this angle projecting shadows onto a task surface.

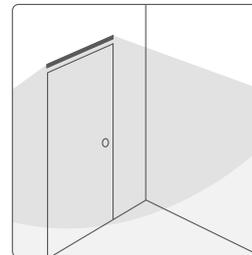
We recommend AC1, and AC2 Channels for this application.



DIRECT SHELF LIGHTING

A 90° angle is a common placement; it uses discreetly-placed fixtures to evenly light your shelves.

We recommend AR1, AR3, AS1 and AS3 Channels for this application.



ABOVE DOOR

If you have a small closet, especially one without shelves, try using bright RibbonLyte in one of our corner channels above the door. You'll illuminate your entire space while obscuring the fixture itself.

We recommend AC5 Channel for this application.



LIGHTING THAT IS PROPORTIONAL TO YOUR CLOSET

Use Acolyte's Super Populated RibbonLyte so you'll see your clothing, not hot spots. For high ceilings, we recommend the 8.8 watt RibbonLyte. For standard ceilings, we recommend 6.0 Super Populated RibbonLyte. Learn more at www.acolyteled.com/ribbonlyte

ACOLYTE CUSTOMIZABLE BACKLYTES

Backlighting is commonly used to illuminate decorative panels and mirrors in hotels and bars. It adds a unique and crafted feeling to any space. We line the inside rim of Acolyte BackLytes with RibbonLyte. A sheet of reflective, optical fiber material allows the light to spread evenly throughout the panel, meaning that you can take more creative freedom when deciding how far back to place the BackLyte.



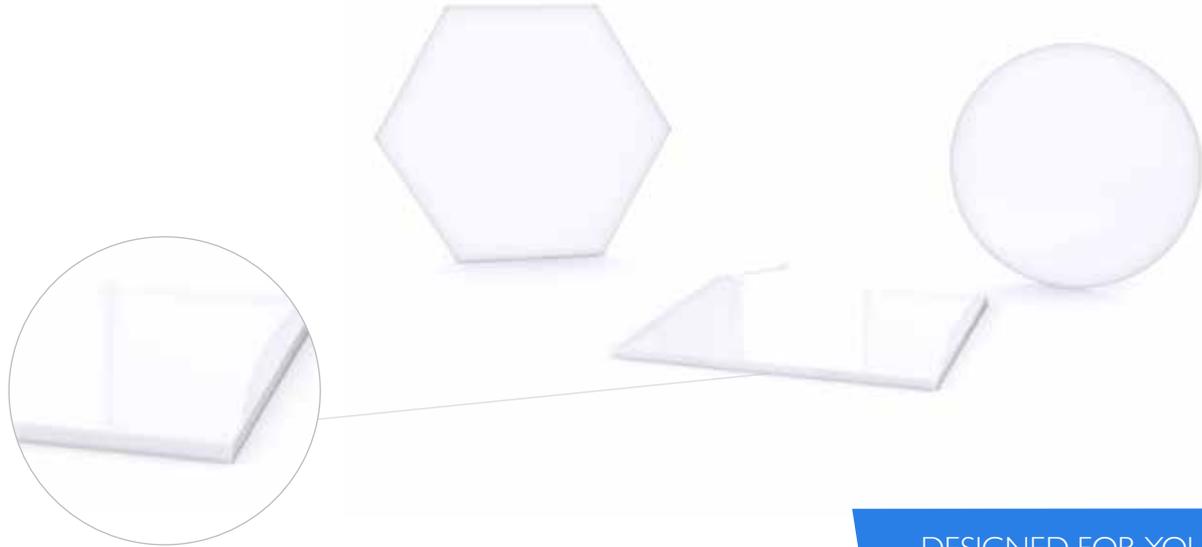
Product used: Varfable White Amber

CUSTOMIZABLE BACKLYTE

BackLyte is a modular design offered in White and RGB color options that can be custom-fabricated to create unique configurations and dimensions specific to your needs.

Starting with a 4'x 8' sheet of PMMA acrylic, we cut your shape on CNC-controlled machinery, then embed our LED's directly into the perimeter of the panel and laminate it with fiber optic technology, providing even surface light no matter the size.

Send us an email to info@acolyteled.com to learn how can you customize your BackLyte.



0.5" THIN PROFILE

DESIGNED FOR YOU
Our specialists can bring any lighting vision to life with our custom design and fabrication.



RIBBONLYTE PROPER USE GUIDE

RibbonLyte is designed and manufactured to the highest standards. Our products meet and exceed industry certifications and specifications. To maintain optimal performance, reference this guide for proper installation, operation and care of your RibbonLyte.



DO NOT INSTALL ON HOT SURFACES

When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces which are exposed to direct sunlight exceed the 70° C / 158° F maximum that our product is rated for. High risk locations like this should be avoided.



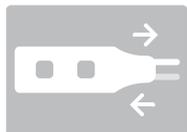
DO NOT PAINT

If you paint over the LEDs, you will shift the color temperatures to undesirable tones, and risk eliminating light output entirely.



DO NOT INSTALL IN A DUSTY ENVIRONMENT OR RELY ON ADHESIVE BACKING FOR A SECURE INSTALLATION

Make sure your RibbonLyte, channel and the surface where you're installing is clean and free of dust. Wood, metal and sheetrock dust can damage your lighting system. Remember to always secure channels with proper mounting clips and hardware after alignment is achieved with provided adhesive backing.



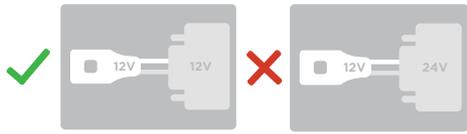
DO NOT PULL HARD ON LEADS / WIRES ON BOARD

The wires attached to the circuit board are vital to RibbonLyte. By pulling hard on the wires, you could damage the RibbonLyte, causing your lighting to malfunction.



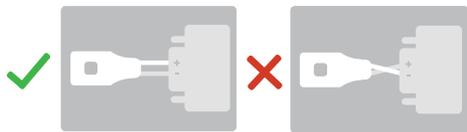
DO NOT MOUNT CLIPS OVER LEDs ON BOARD

RibbonLyte products have sensitive points such as resistors and the LEDs themselves. We give enough room to place the mounting clips between the LEDs when not installing in one of our channels. Placing a mounting clip over an LED could damage this section, or even damage the entire RibbonLyte.



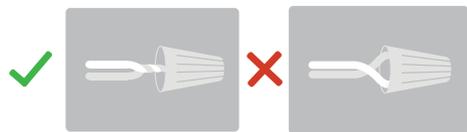
DO NOT PAIR WITH WRONG VOLTAGE DRIVER

This step is critical when installing RibbonLyte. If you use a lower voltage driver than recommended, the RibbonLyte will not be illuminated. If you use a higher voltage driver than recommended, you will damage the LEDs. Always remember to match the driver voltage to the LED voltage.



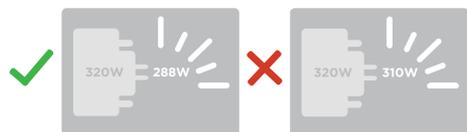
DO NOT MISMATCH LEAD WIRES

If you connect the DC+ connection of your RibbonLyte with the DC- connection of your driver, your RibbonLyte will not illuminate.



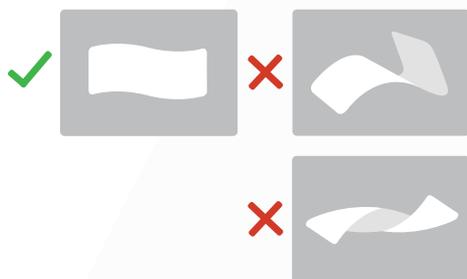
DO NOT LEAVE GAPS BETWEEN WIRES

By properly connecting wires, you prevent electric arcing that can have detrimental effects on power transmission, distribution systems and the RibbonLyte. A loose connection will not only prohibit your product from lighting, but is a fire hazard that can cause sparks and overheating.



DO NOT OVERLOAD THE DRIVER

It is really important to allow a 10% reduction from the max driver wattage to the actual load placed on it. RibbonLyte wattage can vary slightly from the reported wattage to the actual, so we recommend never using more than 90% of the driver's max wattage to prevent overloading the driver.



DO NOT BEND AGGRESSIVELY

We made the RibbonLyte very flexible. It can be bent from the front plane up and down, and can be installed almost anywhere. But don't twist it or bend it vertically or aggressively - you could pop out an LED or damage the connectors.



Product shown: Static White RibbonLyte 4.4

OUR PRODUCTS

Acolyte LED offers complete integrated LED lighting solutions. Our diverse product line includes state-of-the-art RibbonLyte, a variety of fixtures, custom panel design, drivers, controllers and hardware to optimize performance. Please visit us at www.acolyteled.com to learn more about our products.



RIBBONLYTE

RibbonLyte is flexible and customizable. With over 25,000 variations of fixtures it is a versatile solution for nearly any installation. Our custom phosphors ensure complete color accuracy throughout all color options. With varied intensities, color temperatures, lumens and watts per foot, there's sure to be a RibbonLyte solution to fit your specific needs.

Static White | Static Colors | Variable White | RGB | Matrix | Direct AC | Warm Dim



CHANNELS

We offer over 20 different models of surface-mounted and embedded channels. Multiple lens options allow you to create a custom look that's easy to install. Excellent heat sinking keeps everything running cool while illuminating nearly any space.

23 Channel Options



STATIC WHITE PANEL LYTE

Panel Lyte, a high-brightness LED fixture that can hang or fit in most standard dropped ceilings, is an excellent replacement for fluorescent troffers. Offering even illumination over a complete surface, Panel Lyte has a built in driver, 0-10 volt dimming and is available in multiple sizes and color temperatures. At less than 1/2" deep with a PMMA acrylic and white metal frame, Panel Lyte is a powerhouse in general and commercial lighting.



COLOR PANEL LYTE

Color Panel Lyte, a high-brightness LED fixture that can hang or fit in most standard dropped ceilings, is an excellent source of soft, colored light. Offering even illumination over a complete surface, Color Panel Lyte has a built in driver, 0-10 volt dimming and is available in multiple sizes and color temperatures. At less than 1/2" deep with a PMMA acrylic and white metal frame, Panel Lyte is a powerhouse in specialty lighting applications.



COLOR CHANGING PANEL LYTE

Color Changing Panel Lyte, a high-brightness LED fixture that can hang or fit in most standard dropped ceilings, is an excellent source of soft, colored light. Offering even illumination over a complete surface, Color Changing Panel Lyte has a built in driver, 0-10 volt dimming and is available in multiple sizes and color temperatures. At less than 1/2" deep with a PMMA acrylic and white metal frame, Panel Lyte is a powerhouse in specialty lighting applications.



CUSTOMIZABLE BACKLYTE

BackLyte is a modular design offered in white, variable white, color and color changing options that can be custom-fabricated to create unique configurations and dimensions specific to your needs. Starting with a 4'x8' sheet of PMMA acrylic, we cut your shape on CNC controlled machinery, then embed our LED's directly into the perimeter of the panel and laminate it with fiber optic technology, providing even surface light at any size.



NEONLYTE & NEON COLOR

Like neon, but better! Bendable, flexible, waterproof and available in nearly any color, including colored housings for decorative visibility even when off. Designed to brave the elements, the IP67 product is UV-resistant and built to be used in façade lighting and lettering. Available in static white color temperatures ranging from 2400k - 6000k, variable white, static colors, RGB and RGBW/A.



GEOLYTE

Acolyte's GeoLyte fixtures are a great decorative companion to our linear LED products. A variety of shapes, sizes and combinations provide 12 different appearances. Available in circle and square.



RIGID AC

Perfect for cabinets and coves to create a seamless glow with no points of light in view. The Rigid AC line has features like dimming, snap fit, linkable design, 6" of jumper cable and mounting clips. Easy to use and versatile, these fixtures are great as new installs or retrofits. Rigid AC fixtures are closet rated, do not require a driver and feature an in-line on/off switch. Available in 6 standard lengths: 9, 13.5, 23, 34.5, 46.3 and 58 inches and 3 color temperatures: 2900k, 4100k and 6200k.



SYNTHESIS LINEAR FIXTURES

Synthesis Linear is a sleek suspended fixture with uplight/downlight capability. Use it for up/down lighting, or just downlight. The minimal design packs countless output configurations, 10 beam angle options and a selection of elegant finishes to complement any space.



LINEAR LYTE FIXTURES

Where there's a need for overhead lighting, our Linear Lyte fixtures deliver. Our pendant fixtures are light and efficient, and can mount to drop ceilings, concrete or drywall/gypsum. Available in multiple styles and lengths, our Linear Lyte Fixtures can be powder coated to match any color in your design.



MULTILYTE

Create a custom length low-profile fixture with your choice of beam angles and less than a half-inch tall! The MultiLyte fixture gives you the beam angle options found in larger fixtures, with the small form factor of our RibbonLyte and channel.



ENTERTAINMENT

Acolyte's entertainment fixtures are designed to emit considerable light and can be used almost anywhere to wash or graze surfaces in light. These high-brightness units offer a variety of colors, beam angles, sizes and voltage inputs. Adaptable, efficient and bright, our high power fixtures are great for illuminating all types of event and entertainment venues.



HIGH POWER EXTERIOR

Gel-Flush™ Technology is the latest innovation from Acolyte. This technology provides impenetrable breaches from any elements in weather and atmosphere! Our complete exterior line now comes with Gel-Flush™ Technology. On final assembly, Gel-Flush™ gets pushed through the fixtures, then lens covers installed, followed by a 24-hour curing period. Guaranteed to never leak, condensate, or be breached by any environmental elements. Resulting in a clear unobstructed beam of light from the Acolyte fixtures. No more water beads changing and refracting the specified beam angles, creating a truly robust bullet proof waterproof fixture!



SIMPLY CLEAN™ MUD IN EXTRUSIONS

Acolyte's Simply Clean™ series of recessed and corner fixtures are designed to be harmonious with the physical space of a room. Without any joist modification, these extrusions can be installed into new or existing drywall/gypsum walls and ceilings.



DRIVERS

Power your LEDs with a variety of drivers optimized for performance. All of our drivers are suitable for wet or dry locations.

Electronic | Lutron Hi-Lume | Magnetic Dimmable



CONTROLLERS & DIMMING

We offer a wide range of devices to give you total control over your LED-lit environments.

DMX | 0-10 Volt Dimming | Triac Dimming | IR Sensors | Wireless



PARTS & ACCESSORIES

Every lighting system comes complete with the necessary hardware to ensure a proper installation. Accessories include mounting clips, screws, DMX cables, extra wire and double-sided tape.

Connectors & Cables | Mounting Hardware | DMX Cables | Bare end wires | Tape

CONNECT WITH US

Stay informed about our industry-leading products and services, recent installations and more!

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Raul J. Garcia

Eric Laignel

Ted Morrison



ACOLYTE LED

P. 212.629.6830 F. 772.382.8379

sales@acolyteled.com

www.acolyteled.com

HQ NYC, NJ, Shenzhen, Dubai, Australia, New Zealand,
Hong Kong, Shanghai and Singapore

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