OUR VALUES push us to pursue excellence in craftsmanship & service.

Trust us to deliver above and beyond whenever you partner with LEDCONN®. We're ready to blast off to new creative heights with you at a moment's notice; simply contact us today with your next project to make your vision a reality!

LEDCONN

— Be the FOCUS —

CUSTOM LED LIGHTING SOLUTIONS

- STREAMLINED VERTICAL INTEGRATION
- YOUR DOCK DATE IS OUR DEADLINE
- STRONG GLOBAL NETWORK
- WE'RE HERE TO SUPPORT, NOT JUST MAKE A SALE

CONTACT US FOR YOUR NEXT PROJECT!

(714) 256-2111 sales@ledconn.com 301 Thor Place Brea, CA, 92821

www.ledconn.com

LEDCONN

LIGHTING SOLUTIONS CATALOG 2023

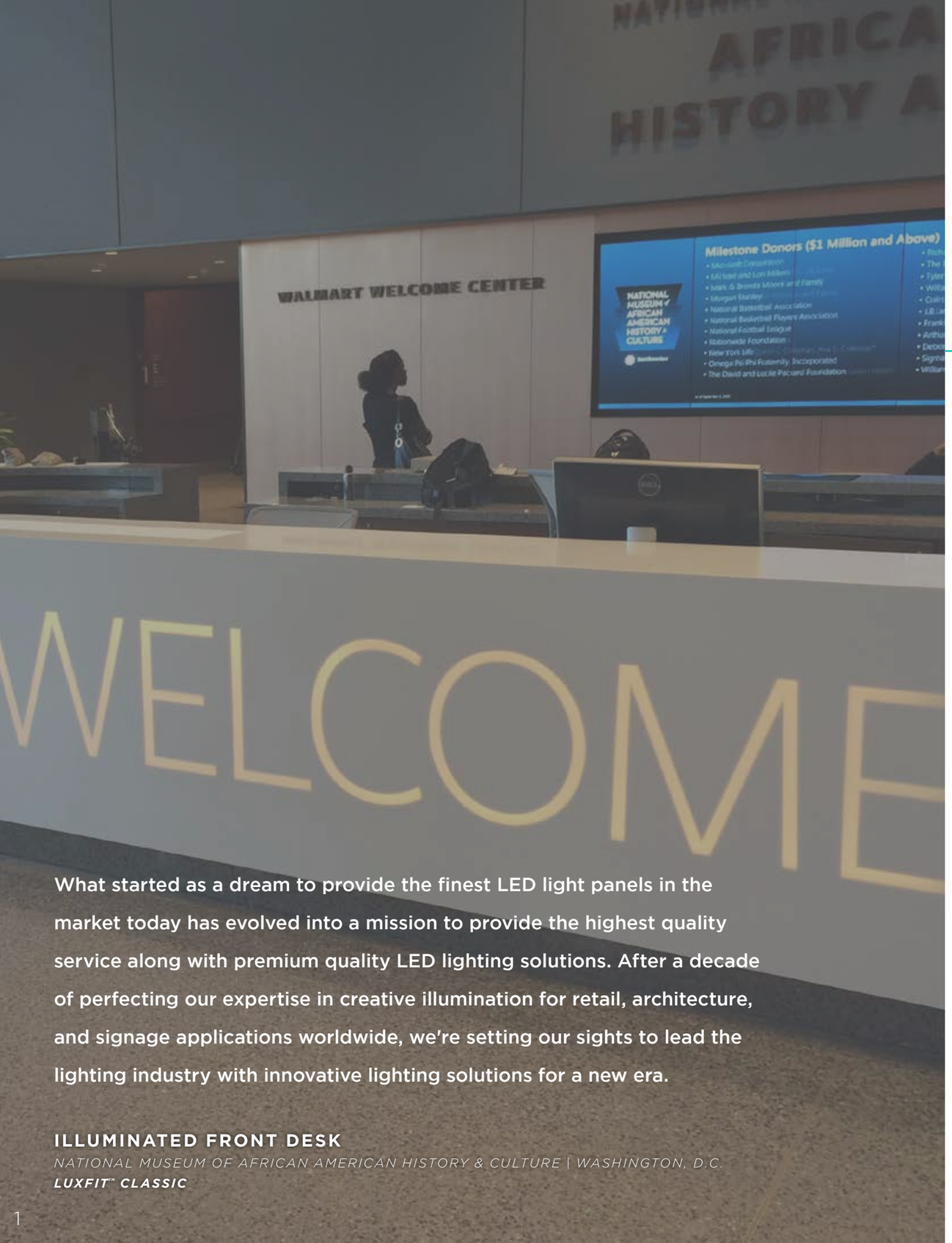
LEDCONN

— Be the FOCUS —

INNOVATING THE FUTURE OF LIGHTING

IN MATERIAL ART FORM

LIGHTING SOLUTIONS CATALOG



What started as a dream to provide the finest LED light panels in the market today has evolved into a mission to provide the highest quality service along with premium quality LED lighting solutions. After a decade of perfecting our expertise in creative illumination for retail, architecture, and signage applications worldwide, we're setting our sights to lead the lighting industry with innovative lighting solutions for a new era.

ILLUMINATED FRONT DESK
NATIONAL MUSEUM OF AFRICAN AMERICAN HISTORY & CULTURE | WASHINGTON, D.C.
LUXFIT™ CLASSIC

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LEDCONN
— Be the FOCUS —

For more information about LEDCONN® Lighting Solutions, please visit **www.ledconn.com**.
Send an e-mail to **sales@ledconn.com** or call us at **(714)256-2111** for assistance with your next lighting project.

ENGINEERING TOMORROW'S LIGHTING SOLUTIONS TODAY

We're all about engineering a brilliant future that will astound and inspire awe for generations to come. We are LEDCONN®, pioneers in a galaxy of brilliant lights where our products dare to stand the test of time. We are constantly delighting audiences across a multitude of industries within the markets of retail, architecture and signage.

Each of our products is engineered with a personal touch and customized to fit your unique application. We've built our entire universe on listening to the needs of our clients and bringing their creative vision to life. We make magic happen with cutting-edge, innovative engineering practices, comprehensive project management, an ever-increasing global reach.

Let's engineer a brighter future and rock this galaxy together. We're ready to see your creative ideas take off and leave a lasting echo in the farthest reaches of the lighting universe. Are you ready for the same?

c UL us LISTED · c RU us · Quality approved · MADE IN USA · CE · RoHS

LEDCONN — Be the FOCUS —

//OUR MISSION//

LEDCONN® is a lighting engineering company and global guru of custom LED illumination solutions. What drives us every day to innovate newer and more streamlined lighting solutions is the simple desire to bring light to others' lives.

Since 2008, LEDCONN has been creating human connections and experiences through lighting in material art form. Our strengths are in custom engineering the industry's best custom LED lighting solutions and streamlining the specification process. We work closely with our clients and their partners to assure that the original creative vision is carried out as designed. We pride ourselves on being an industry leader, providing the most knowledgeable, helpful, and engineering-savvy service in the lighting industry today.

With our quality UL-certified products, we'd love to help you bring your creative vision to life in the most beautiful and efficient way possible.

2017 HONORABLE MENTION
LIT LIGHTING DESIGN AWARDS

//OUR SERVICES//

EXTRAORDINARY LIGHTING SOLUTIONS

THAT ARE SIMPLY OUT OF THIS WORLD

- *YOUR DOCK DATE IS OUR DEADLINE*
- *CUSTOMIZATION FOR IMMEDIATE STORE ROLLS OUTS*

96%

ON-TIME DELIVERY RATE IN 2017

CUSTOMIZATION

When you work with us, we provide you with creative freedom our competitors can't. Our resources enable us to customize our lighting solutions to the needs of your project. Everything from custom color temperatures, power, and the size and shape of the overall concept are all customizable.

We don't provide cookie cutter solutions; rather, our specialty is in ensuring that our lights fit what you need, regardless of project size. Our engineering team will work one-on-one to come up with a lighting strategy that will bring your concept to life.

MYTH CUSTOMIZATION IS TOO EXPENSIVE

We'll show you how you can customize your projects without breaking the bank. Contact us today to find out how.

- *YOUR NEEDS ARE AT THE FOREFRONT OF OUR MINDS—YOUR CREATIVE VISION IS OUR PASSION*
- *ENJOY A STRESS-FREE EXPERIENCE*
- *STREAMLINED VERTICAL INTEGRATION*

RELATIONSHIP-CENTRIC SERVICE

WE PLAY NICE IN THE SANDBOX

- *MADE IN CALIFORNIA*
- *DIRECT CHINA-TO-CHINA LOGISTICS*

4 PRODUCTION FACILITIES

1 LOCAL **BREA, CA**
3 OVERSEAS **CHINA**

PROJECT MANAGEMENT

We serve as the touch point for your project every step of the way, from design to installation. You, the client, are our top priority and we want to provide the highest caliber service and product for your project.

We'll communicate with all parties involved in your design ecosystem to ensure your project gets the attention and care that it deserves. When it comes to power management, safety regulations, or electrical wiring layouts, you can trust the service and expertise our project management team provides.

GLOBAL OPERATIONS

Our ongoing success has allowed us to expand our territory outside of the USA into the global marketplace, touching clients in Canada, Europe, and Asia. We manage manufacturing facilities and engineering teams in both California and China, provide local customer support, and maintain an efficient global supply chain in China.

Our California manufacturing facility produces single and mid-size custom production within a matter of weeks. And if the project is extremely urgent, we can even expedite production, sometimes within days if we have to. And for projects requiring greater international support, our direct relationship with our China factory gives us an edge in providing quick turnarounds for larger jobs with reduced logistic costs.

"LEDCONN and their team of engineers **worked out [lighting] solutions** that helped us out of difficult situations!"

—James Tung, *Owner, James Tung Associates*

Delivering value to happy clients around the world

SINCE 2008

PROJECT SNAPSHOTS

LUXURY COSMETIC BRAND

For this luxury cosmetic brand, strong project management and communication with our global team and client were integral to the success of this project. Our priority for this project was to honor the specific requests of the lighting designer, which included ensuring that the stringent requirements for energy efficiency, Energy Code Title 24, were adhered to, and earning the UL 65 Fixture certification. We also worked directly with all involved parties (manufacturers and designers) in order to see this project into fruition.

CHALLENGES Energy Code regulations, intercontinental communication

FEATURED PRODUCTS LUXFIT™ LED Light Panels, LUXLINEAR™ LED Light Tubes, LUXLINE™ LED Light Strips, Dimmer

HIGH-END ELECTRONICS

Product innovation and mass production played a critical role in this project. This client wanted to incorporate an LCD screen as a part of the display. Knowing that we would be capable of acknowledging and executing this level of customization, this client came to us with their lighting needs. At our client's request, a rectangular hole needed to be cut into some of the 14 light panels we would provide them for full integration of the LCD screens. These LCD screens needed to be integrated across multiple mediums and shaped to fit perfectly into the project. This high-level of customization also required extra vigilant and careful wiring management for optimal performance and energy-efficiency of the final output. Despite the high demands that this project entailed, we were able to exercise great timing sensitivity and provide professional advice when needed. The result returned a clean, modern, and technologically sophisticated, 2015 OMA award-winning retail display.

CHALLENGES High customization, tight turnaround time

FEATURED PRODUCTS LUXFIT™ LED Light Panels, Wiring Harness, 60W Power Supply

ARCHITECTURAL ENVIRONMENT

For this client, we needed to provide over 90+ LUXFIT™ light panels, all of which were different sizes, as well as requiring damp location treatment that would permit both indoor and outdoor uses (within damp requirements). The design of the overall project contained a unique pattern that entailed perforated metal to mimic the layout of a major Los Angeles freeway, which required us to practice complex wire management. Wires were needed to be cut at a custom length to manage voltage drop, and provide an energy efficient design – a task that we completed delicately and successfully. In spite of all of these unique specifications, we were able to execute this time-sensitive project.

CHALLENGES High customization, mass production, sophisticated wiring design, tight turnaround time

FEATURED PRODUCTS LUXFIT™ LED Light Panels, Dimmer

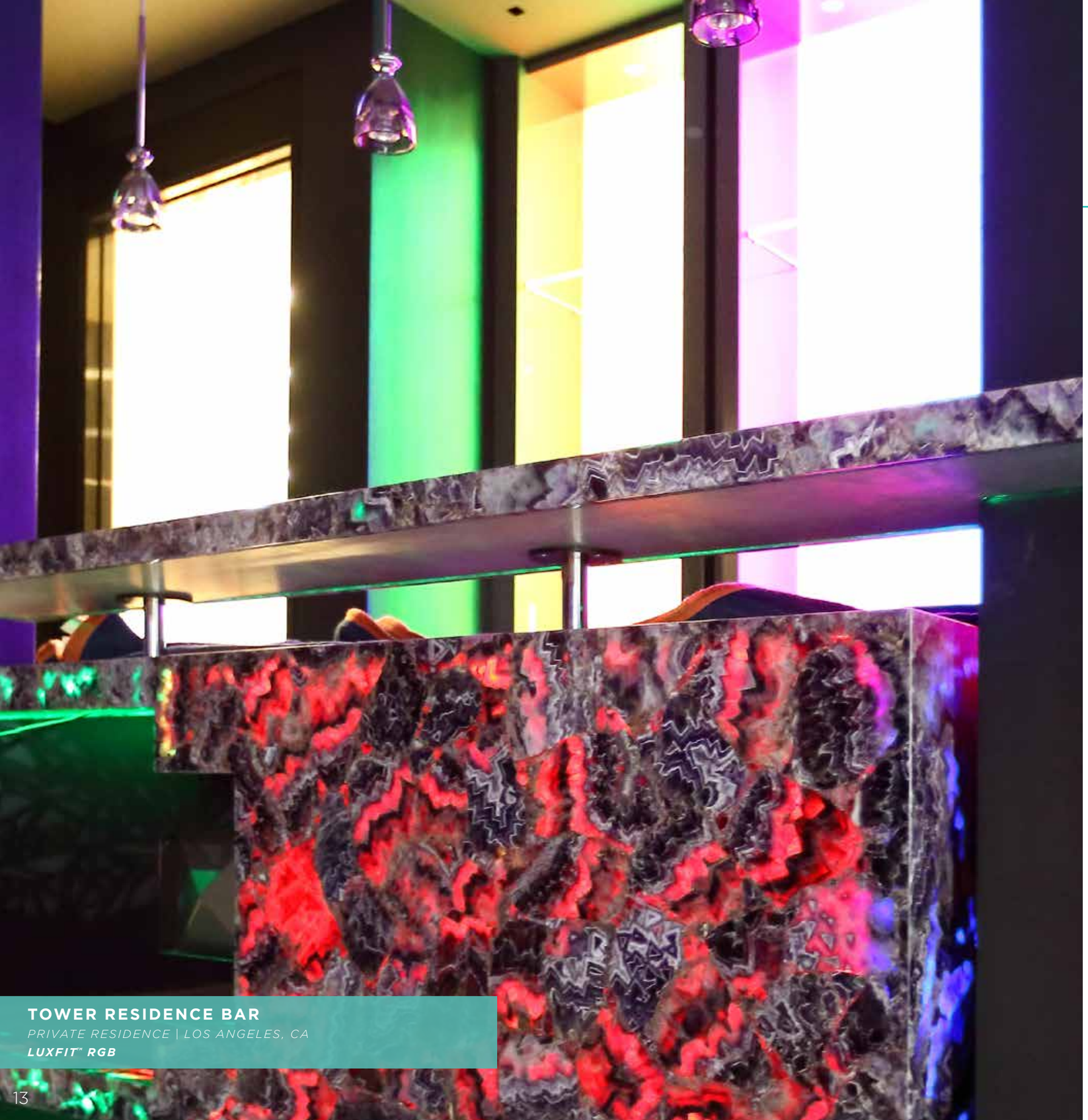
MUSEUM EXHIBITION

Housed in a century-old historic Buddhist temple in the Arts District of Downtown Los Angeles, the Defining Courage Experience is an interactive exhibit where visitors can plant themselves in the shoes of World War II era Japanese American soldiers. Many of the attractions within the exhibit required vibrant backlighting, to which LEDCONN® was given the privilege of providing LUXFIT™ LED Light Panels. Twenty-nine of these panels were provided to the museum, all of which were custom-made by size to cater to the needs of the exhibit. Several attractions required multiple light panels to be installed together while still maintaining even illumination, a difficult task achieved in part due to our mastery of Optimized Dot Pattern Technology. With our ability to cater to high customization needs, we were able to successfully deliver to an exhibit that has attracted and entertained over 2,500+ visitors since within its few months of opening.

CHALLENGES Maintaining even illumination while tiling multiple LUXFIT™ LED light panels

FEATURED PRODUCTS LUXFIT™ Classic LED Light Panels, 96W Power Supply, splitter, inline dimmers

//PRODUCTS//



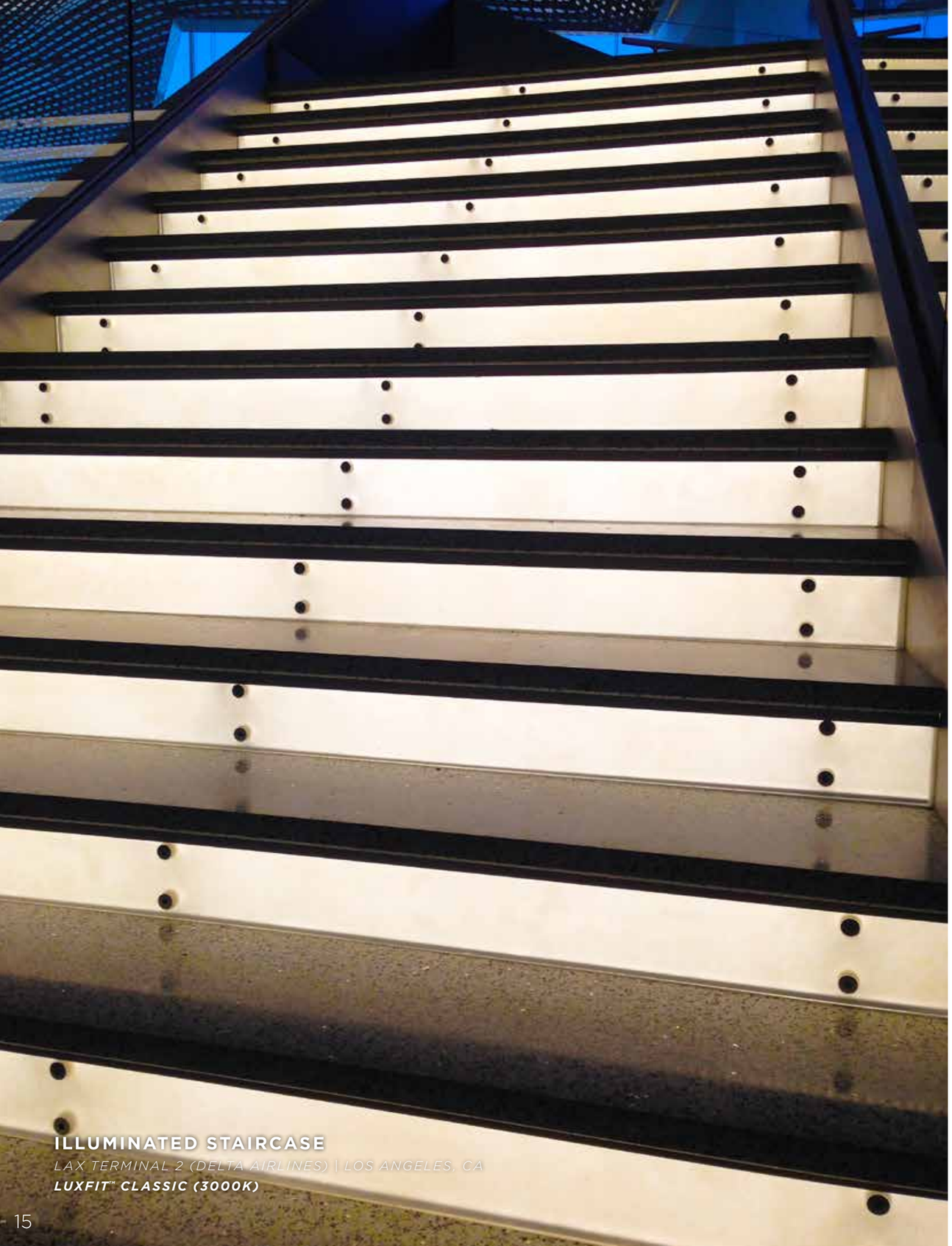
TOWER RESIDENCE BAR
PRIVATE RESIDENCE | LOS ANGELES, CA
LUXFIT™ RGB

EDGE-LIT LIGHTING

Our Edge-Lit Lighting Solutions feature advanced technology that provides the brightest indirect illumination. All of our panel products are compatible with LEDCONN's edge-lit lighting solutions. Great for hotspot-free illumination across compact and large installations, we offer edge-it lighting in the form of light panels and permimeter light bars. Our light panel offerings span static white to dynamic and even etched panel solutions. Our the perimeter light bars are offered in various sizes for customization flexibility.

LUXFIT LIGHT PANELS **15**
LUXFIT CLASSIC 21
LUXFIT RGB 23

PERIMETER POWER LIGHT BARS **29**



ILLUMINATED STAIRCASE
LAX TERMINAL 2 (DELTA AIRLINES) | LOS ANGELES, CA
LUXFIT™ CLASSIC (3000K)

LUXFIT™ LIGHT PANELS

ULTRA SLIM &CUSTOMIZABLE

Slim in profile and providing bright and even illumination, LEDCONN'S LUXFIT™ line is a revolutionary edge-lit light panel technology designed for highly customized and embedded lighting applications, including accent lighting. Perfect for illuminating compact and narrow spaces, LUXFIT™ maintains an unassuming slim profile, measuring only 1/4"-3/8" thick. LUXFIT™ panels utilize laser-etched dot-pattern technology, allowing face material to be positioned on top with little to no gap while maintaining even illumination.

UNIVERSAL APPLICATIONS

- Retail Design
- Interior Design
- Signage
- Illuminated POP Displays
- Accent Lighting
- Embedded Lighting

AVAILABLE TYPES

LUXFIT™
CLASSIC

LUXFIT™
RGB

LUXFIT™
GRAPH

LUXFIT™
CURVE

LUXFIT™
OUTDOOR

Contact a Project Specialist for inquiries about **LUXFIT™ SHAPE for custom shapes and **LUXFIT™ DAMP RATED** for damp location applications.*

KEY FEATURES

FRAMELESS DESIGN

OUTSTANDING BRIGHTNESS

EVEN LIGHTING
NO DARK SPOTS

CUSTOM SIZES

CUSTOM COLORS

QUALITY

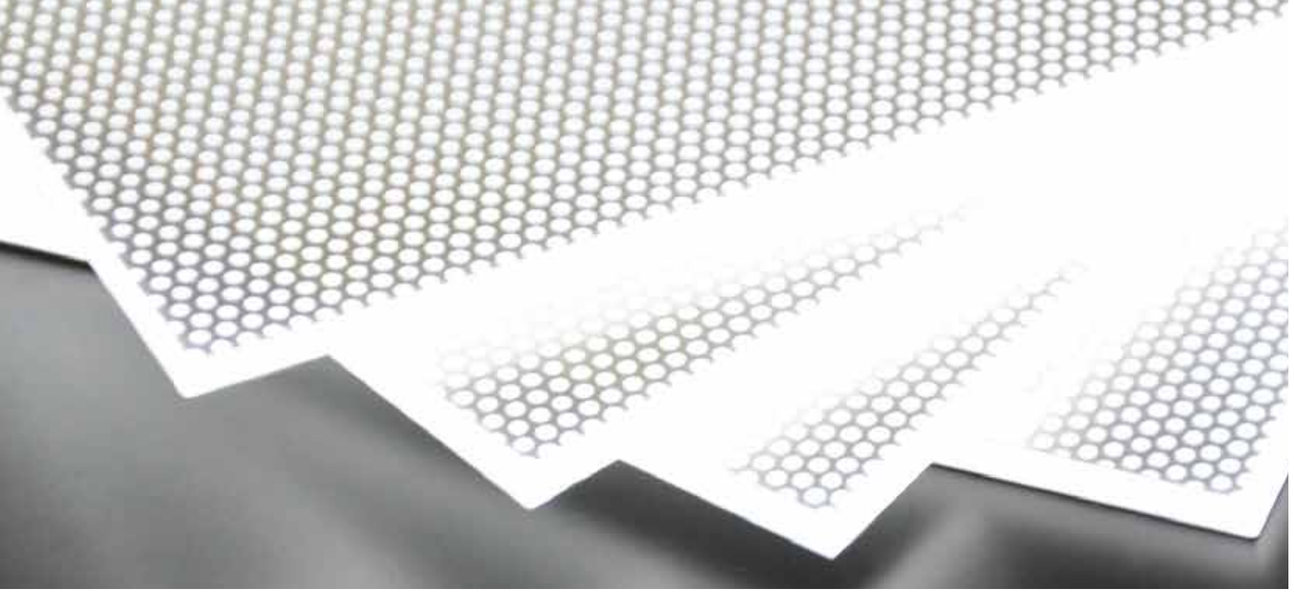
E477011

E341676

100% QC

MADE IN USA

MANUFACTURER'S WARRANTY



LUXFIT™: OPTICALLY-REFINED
DOT PATTERN TECHNOLOGY

- Even, uniform light distribution
- More efficient than V-cutting
- Cost-effective

LEDCONN's optically-refined Dot Pattern Technology optimizes the quality of light, producing high brightness and evenness. Its higher yield rate compared to V-cutting technology provides more cost-effective solutions.

To distribute the light uniformly, the dots are smaller and widely spread when they are close to the LEDs, and are larger and narrowly spaced when they are farther away from the LEDs. With three decades of experience serving the LCD industry, our engineering team has built the optical design software with database composed of more than 20,000 combination of dimensions and patterns. We can quickly optimize the reflective pattern by filtering parameters in the database, at the same time, reducing development time for custom projects.

LUXFIT™ GRAPH IS PERFECT FOR

- Retail Displays
- Exhibits
- Hospitality
- Portraits

ILLUMINATED PONTILLISM
LUXFIT™ GRAPH

Our engineering and production teams have mastered our signature Dot Pattern Technology and turned it into an art form! If you'd like to etch an image onto your LUXFIT™ panel, we can make it happen by manipulating the dots during the laser etching process. The result is our innovative LUXFIT™ GRAPH laser-etched light panels.

Create your own LUXFIT™ GRAPH masterpiece today!
Contact a Project Specialist for more information.

RGB 3000K-6500K

THE PERFECT FIT
LUXFIT™ CUSTOMIZATION

NO TWO STARS ARE ALIKE, AND NEITHER ARE LIGHTING PROJECTS. WE CUSTOMIZE ALL SHAPES AND SIZES WITHOUT BREAKING THE BANK.

We've refined the art and science of customization so that you won't burn a hole in your pocket. Our Project Managers love to help you with your unique project & budget needs.

Backlight irregular or intricate shapes & face materials

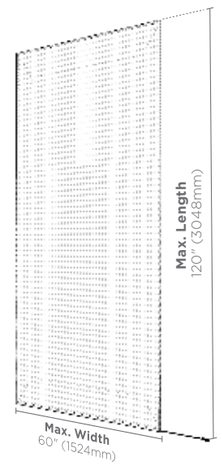
Custom cutouts for TVs and other accessories

Add a creative touch with custom shapes & sizes

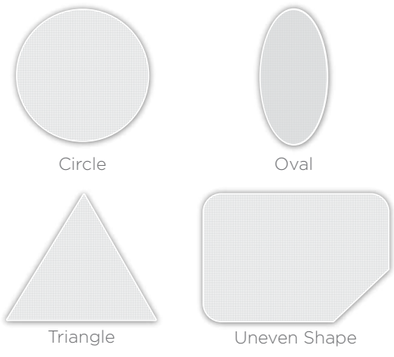
- Customize shapes & sizes
- Largest individual panel size: 60" x 120"
- No tiling limit

CREATIVE TIP

For truly creative illumination ideas, consider using LUXFIT™ with translucent surface materials such as Duratrans, backlit vinyl, fabric, glass, acrylic & more!



CUSTOMIZE IT WITH
LUXFIT™ SHAPE



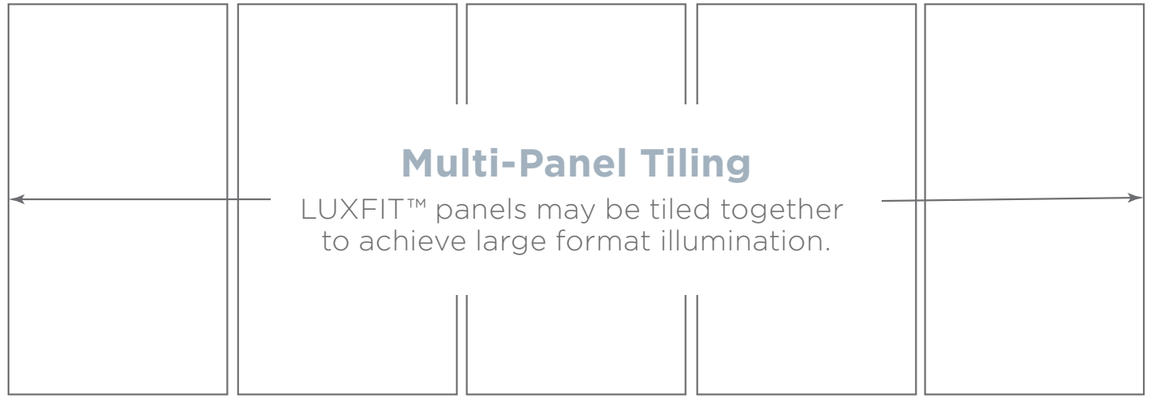
BIGGER IS BETTER

GRAND FORMAT ILLUMINATION

INTRODUCING MULTI-PANEL TILING

Multi-Panel Tiling Makes it Possible!

Though the maximum dimensions of a single LUXFIT™ LED Light Panel are 60”x 120”, grand format illumination is easily achieved by introducing Multi-Panel Tiling to tile LUXFIT™ light panels side-by-side. Our team is ready to provide support to ensure that your large format illumination project is installed properly & meets electrical requirements.

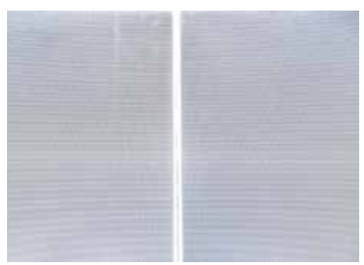


A minor air gap between the panels and face materials is recommended to conceal the seams where tiled panels join together.

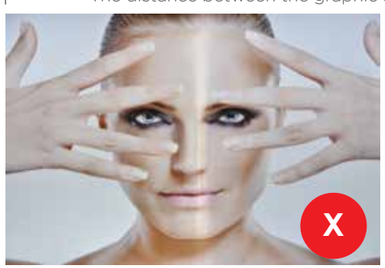
What are Air Gaps?

When panels join together, they create a center line of light. To conceal this line, a minor air gap must be factored between the light panels and face materials to conceal the seam joins where tiled panels join together. The size of the air gap may be adjusted depending on the translucency of the selected face materials.

AIR GAPS ARE IMPORTANT!
The distance between the graphic & the light panel makes a difference.



Two panels tiled together
Creates a center line of light



Graphic directly on top of panel
Center line of light is obvious

Graphic w/1" air gap above panel
Center line of light is diminished

GRAND FORMAT SUCCESS STORY

PROJECT SNAPSHOT

Versace® Fabric Light Boxes Powered By LUXFIT™ CLASSIC Light Panels

Final Dimensions 10’ x 6’

Graphic Material Fabric

Total Power Consumption 200 W

To achieve the required final oversize dimensions, we tiled 5 panels sized individually at 2’ x 6’. An airgap of 1” between the fabric graphic and LUXFIT™ light panel was factored in to prevent the appearance of a center line of light.

BEFORE

AFTER

CREATIVE TIP

To achieve the right lighting effect, always mockup your selected face materials and light.

POPULAR TRANSLUCENT MATERIALS
ILLUMINATE THESE & MANY MORE WITH LUXFIT™

Duratrans | Vinyl | Fabrics | Glass | Acrylic | Resin

LUXFIT™

CLASSIC

TECHNOLOGY

Optically Refined Dot Pattern Technology
A cost-effective technology providing brighter, more even lighting with a much higher yield rate than standard V-cutting technology.

CUSTOMIZATION

- **Custom Sizes**
- **Custom Shapes** Circles, Ovals & Uneven Shapes
- **Single or Double-Sided Illumination**
- **Custom Brightness**
- **Max. Size, Single Panel** 5ft x 10ft (1.52m x 3.04m)
- **Larger Sizes Achieved by Assembling Multiple Units**

CERTIFICATION

UL Listed E477011 (low voltage lumaires)
UR Recognized E341676 (sign accessories manual)
CE EN 60950-1

POWER SUPPLY

Input Voltage 12VDC & 24VDC
Connector Type

- O DC barrel jack
- O Hardwire
- O Other connectors

DIMMING

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)

UNIQUE APPLICATIONS

- Backlighting
- Signage & Cabinets
- Fabric Light Boxes
- Grand Format Illumination
- Damp Location Available

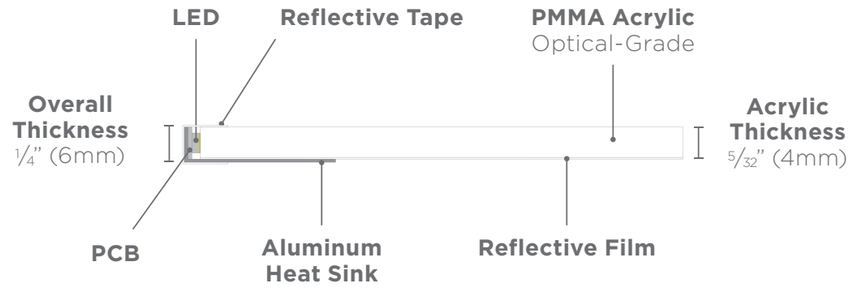
OPTIONS

RGB

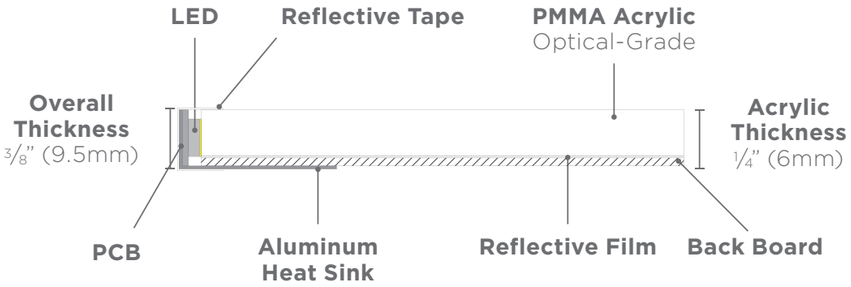
COLOR TEMPERATURES (CCT)

Warm White	Neutral White	Daylight	Cool White
3000K	**4100K**	**5300K**	**6500K**

STANDARD PANEL PROFILE



EMBEDDED PANEL PROFILE



STANDARD PANEL SPECS

LUXFIT™ CLASSIC 6500K

ITEM NO.	PANEL DIMENSIONS	LED LOCATION	BRIGHTNESS	POWER	ADAPTER
X1620	16" X 20" X ¼" 406mm x 508mm x 6mm	2 SHORT EDGES	3000 lux	12 W	12VDC/2A
X1824	18" X 24" X ¼" 457mm x 610mm x 6mm			13 W	12VDC/2A
X2228	22" X 28" X ¼" 559mm x 711mm x 6mm	2 LONG EDGES		21 W	12VDC/3A
X2424	24" X 24" X ¼" 610mm x 610mm x 6mm			17 W	12VDC/2A
X2436	24" X 36" X ¼" 610mm x 914mm x 6mm			25 W	12VDC/3A
X3040	30" X 40" X ¼" 762mm x 1016mm x 6mm			28 W	12VDC/4A

• TOLERANCE +/- ⅛" (3mm)

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXFIT™ RGB

ENDLESS RGB COLOR COMBINATIONS. THE ONLY LIMIT IS YOUR IMAGINATION!

TECHNOLOGY

Optically Refined Dot Pattern Technology
A cost-effective technology providing brighter, more even lighting with a much higher yield rate than standard V-cutting technology.

CUSTOMIZATION

- **Custom Sizes**
- **Custom Shapes** Circles, Ovals & Uneven Shapes
- **Single or Double-Sided Illumination**
- **Custom Brightness**
- **Max. Size, Single Panel** 5ft x 10ft (1.52m x 3.04m)
- **Larger Sizes Achieved by Assembling Multiple Units**

CERTIFICATION

UL Listed E477011 (low voltage lumaires)
UR Recognized E341676 (sign accessories manual)
CE EN 60950-1

POWER SUPPLY

Input Voltage 12VDC
Connector Type

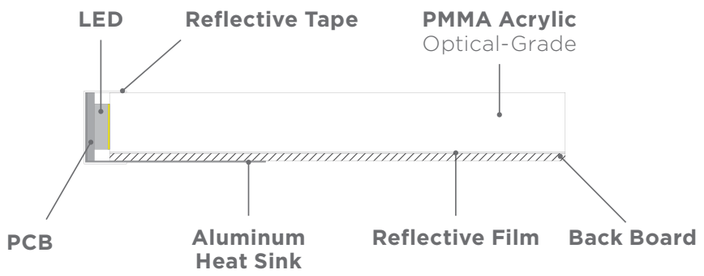
- O Hardwire
- O Other connectors

COMPATIBLE CONTROL

- O DMX control
- O Wi-Fi controller for smart devices
- O Radio frequency (RF) remote control
- O 0-10V

PANEL WITH EMBEDDED LED STRIP

STANDARD PANEL PROFILE

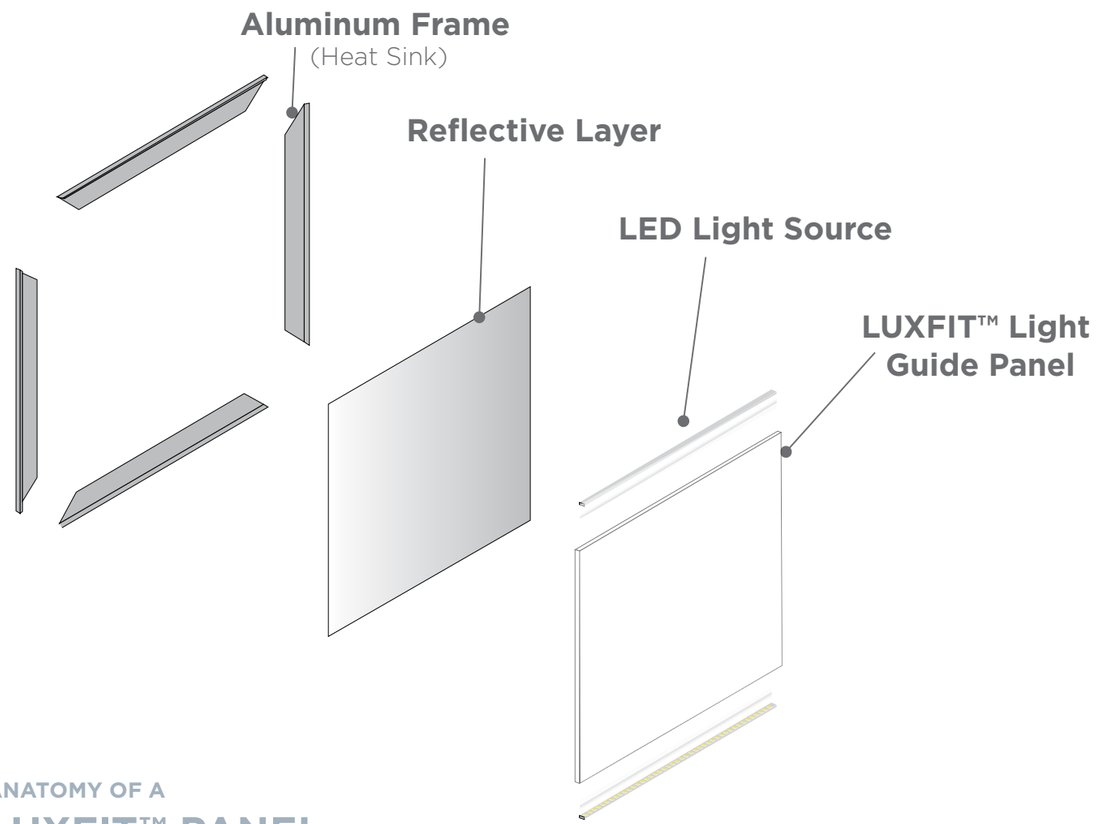


UNIQUE APPLICATIONS

- Backlighting
- Signage & Cabinets
- Fabric Light Boxes
- Grand Format Illumination
- Stage & Entertainment
- Damp Location Available

JOLIET TREE
LOUIS JOLIET MALL | JOLIET, IL
LUXFIT™ RGB LIGHT PANELS

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.



ANATOMY OF A

LUXFIT™ PANEL

Slim, compact design

Our LUXFIT™ panels utilize a special line of LUXLINE™ LED strips designed specifically to meet the edge-lit lighting needs of our slim panels. A reflective layer behind the panel reflects all the light to the surface of the panel, ensuring the brightest illumination possible. To prevent overheating, an aluminum heat sink is built-in to dissipate excess heat for optimal performance.

STAY AHEAD OF THE CURVE

WITH LUXFIT CURVE

LUXFIT's structure also allows us to step out of the box and cater to curved applications, like rounded counter edges.

Contact a Project Specialist for more information.

CONCESSION STAND ILLUMINATION

GALAXY THEATERS | MULTIPLE LOCATIONS NATIONWIDE

LUXFIT™ RGB LIGHT PANELS

HOW TO ORDER: LUXFIT CLASSIC/RGB/GRAPH/CURVE/SHAPE

EXAMPLE	LUXFIT™	30" X 40"	5300K	NON-DIFFUSED	HARDWIRE		OPTIONAL
X3040VNH	X	3040	V	N	H		
	PRODUCT LINE/PROFILE	DIMENSIONS WIDTH X LENGTH	COLOR TEMPERATURE (CCT)	NON-DIFFUSED	CONNECTOR	APPLICATION	OMIT IF N/A
BUILD IT!							

PRODUCT LINE

X	LUXFIT™ CLASSIC
XG	LUXFIT™ GRAPH
XC	LUXFIT™ SHAPE
XR	LUXFIT™ ROUND
XB	LUXFIT™ CURVE

DIMENSIONS (IN INCHES)

LLWW	LENGTH X WIDTH (VARIES)

COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
T	TRICOLOR (RGB)
C	CUSTOM CCT

NON-DIFFUSED

N	NON-DIFFUSED

CONNECTOR

A	DC BARREL JACK + ADAPTER
B	DC BARREL JACK
M	MOLEX®
H	HARDWIRE
P	4-PIN CONNECTOR
C	SPECIAL

APPLICATION TYPE (OPTIONAL)

Select all that apply and write in relative order. Omit any of the below if N/A.

O	DAMP LOCATION (OMIT IF N/A)
R	CRI90
D	DOUBLE-SIDED
U	U-CHANNEL (EXCLUDES DAMP APPLICATIONS)

LUXFIT™ OUTDOOR

TECHNOLOGY

Optically Refined Dot Pattern Technology
A cost-effective technology providing brighter, more even lighting with a much higher yield rate than standard V-cutting technology.

INSTALLATION

Mounting L brackets w/hexagonal fasteners

- O Parallel (Horizontal)
- O Perpendicular (Vertical)

IP Rating IP67
Environment Outdoor applications

FRAMING OPTIONS

- **Curtain application** 2-sided
- **Window application** 3- & 4-sided
- **Max. Size, Single Panel** 5ft x 10ft (1.52m x 3.04m)
- **Larger Sizes Achieved by Assembling Multiple Units**

CERTIFICATION

UL Listed E477011 (low voltage lumaires)
UR Recognized E341676 (sign accessories manual)
CE EN 60950-1

POWER SUPPLY

Input Voltage 24VDC
Connector Type

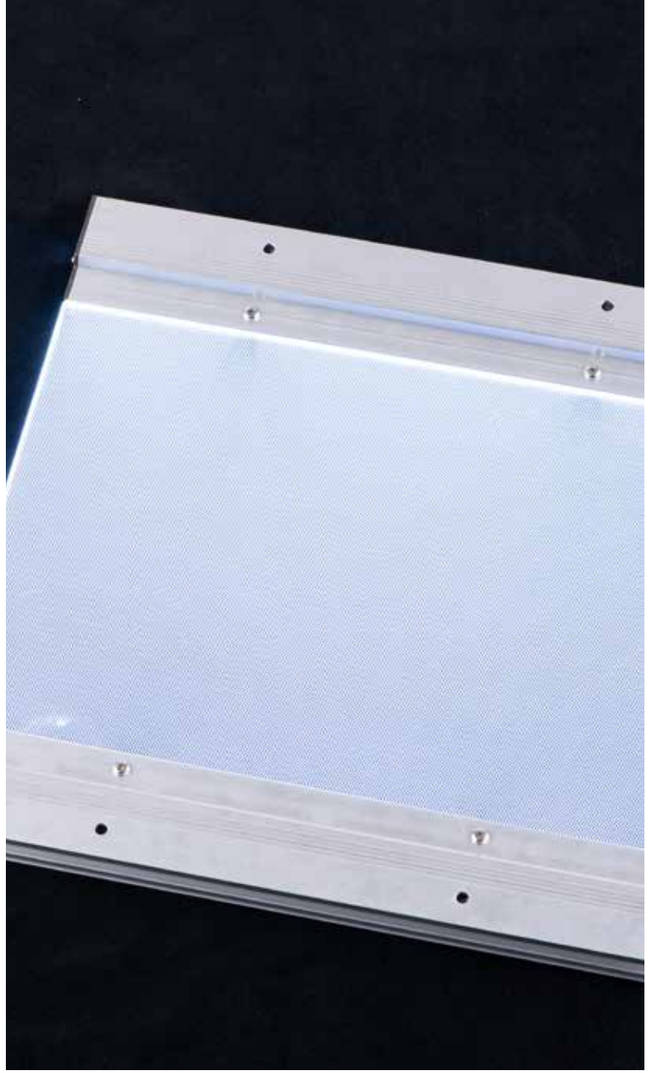
- O Hardwire
- O Other connectors

DIMMING

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)
- O Electronic low voltage (MLV)
- O DMX/DALI
- O Remote Control Plugin
- O Inline Plugin

UNIQUE APPLICATIONS

- Outdoor high rise buildings
- Large area illumination
- Large glass buildings
- Luxury hospitality
- Entertainment lighting



OPTIONS

RGB

COLOR TEMPERATURES (CCT)

Warm White	Neutral White	Daylight	Cool White
3000K	4100K	5300K	6500K

WINDOW APPLICATION: 3- & 4-SIDED FRAMING

- 3- & 4-sided full frame windows
- Ideal for transparent windows by day, illumination by night
- Rectangular, square and triangular shapes available

CURTAIN APPLICATION: 2-SIDED FRAMING

- 2-sided framing options
- Ideal for creating a spliced illuminated curtain effect

HOW TO ORDER: LUXFIT OUTDOOR

	LUXFIT™ OUTDOOR	16" X 20"	3000K	NON-DIFFUSED	HARDWIRE	SILVER
EXAMPLE	XO	1620	Z	N	H	S
	PRODUCT LINE/PROFILE	DIMENSIONS WIDTH X LENGTH	COLOR TEMPERATURE (CCT)	DIFFUSER	POWER CONNECTION TYPE	FRAME COLOR
BUILD IT!						

PRODUCT LINE

XO	LUXFIT™ OUTDOOR

DIMENSIONS (IN INCHES)

LL	LENGTH (VARIES)

COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
C	CUSTOM COLOR

DIFFUSER

N	NON-DIFFUSED

POWER CONNECTION TYPE

H	HARDWIRE
C	SPECIAL

FRAME COLOR

S	SILVER
K	BLACK
C	CUSTOM FRAME COLOR

ADC LOBBY
ARCHITECTURE DESIGN COLLABORATIVE | LAGUNA HILLS, CA
FABRIC LIGHT BOX (PROFILE 120)

PERIMETER POWER LIGHT BARS

UNIVERSAL APPLICATIONS

- Fabric Light Boxes
- Retail Displays
- Fixtures & Displays
- Signage & Cabinets
- Grand Format Illumination

EDGE-LIT LIGHTING MEETS POWER

For oversize fabric light boxes, we offer Perimeter Power LED Lighting, our most powerful edge-lit lighting solution to date. This edge-lit lighting solution features a high lumen output with an optically-focused narrow viewing angle enabling light to travel across farther distances. With excellent diffusion, Perimeter Power LED Lighting provide excellent energy-efficient, large scale illumination.

AVAILABLE BAR LENGTHS

8.60" (219mm)
SHORT

14.37" (365mm)
MEDIUM

KEY FEATURES

- OUTSTANDING BRIGHTNESS
- SPECIAL LENS FOCUSED LIGHT BEAM
- PLUG & PLAY
- EASY TO INSTALL & MAINTAIN
- EASY TO REPLACE

QUALITY

c UL us LISTED
E477011

Quality approved
100% QC

2 YEAR
MANUFACTURER'S WARRANTY

PERIMETER POWER
LIGHT BARS

LIGHTING

LED Count & Strip Length

- Short: 3 LEDs, 8.60” (219mm)
- Medium: 5 LEDs, 14.37”(365mm)

Strip Width 0.98” (25mm)
Beam Angle 15x60°/6x90°
Lamp Life 50,000+ hours

INSTALLATION

Mounting Screws
Heat Sink Required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 24V
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

DIMMING

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

COMPATIBLE FABRIC LIGHT BOX

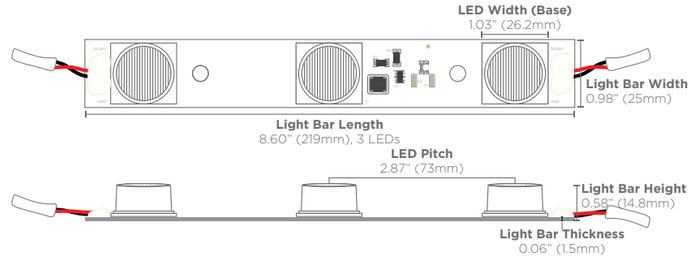
- Profile 100
- Profile 120
- Profile 200

SIZE	CCT	POWER	MAX LOAD (96W)	CRI	EFFICACY	BEAM ANGLE	LUMINOUS FLUX
Short	3000K Warm White	7.92 W/light bar	12 sticks	70+	77 lm/W	15x60°/ 6x90°	610 lm/light bar
	4100K Neutral White						
Medium	6500K Cool White	13.2 W/light bar	6 sticks				1020 lm/light bar

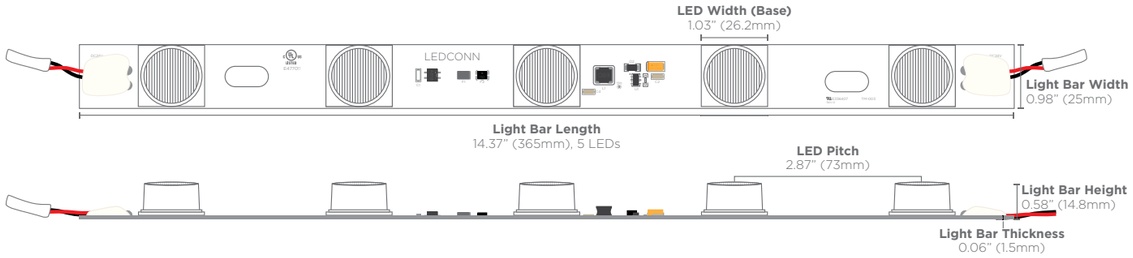
LED LIGHT BAR DIAGRAM*

*Not drawn to scale

PERIMETER LIGHT BAR - SHORT 8.60” (219mm)



PERIMETER LIGHT BAR - MEDIUM 14.37” (365mm)



B	V	P	L	W	H	#
Short	24V	2.87” (73mm)	8.60” (219mm)	0.98” (25mm)	0.58” (14.8mm)	3
Medium			14.37” (365mm)			5

KEY

B Light Bar Type
V Operating Voltage
P Center-to-Center Pitch
L Light Bar Length
W Light Bar Width
H Light Bar Height
No. LEDs per Bar

HOW TO ORDER: PERIMETER POWER LIGHT BARS

EXAMPLE		PERIMETER	14”	6500K	MOLEX®
P14WM		**P**	**14**	**W**	**M**
		PRODUCT LINE/PROFILE	LENGTH	COLOR TEMPERATURE (CCT)	CONNECTOR
BUILD IT!					

PRODUCT LINE

P	PERIMETER POWER LED LIGHT BARS

LIGHT BAR LENGTH

09	SHORT 8.6" (219mm)
14	MEDIUM 14.37" (365mm)

COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
C	CUSTOM CCT

CONNECTOR

B	DC BARREL JACK
M	MOLEX®
H	HARDWIRE
C	SPECIAL

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

BURBANK CONNEXION
BURBANK COLLECTIVE | BURBANK, CA
LUXFIT™ CLASSIC (5300K)

BACKLIGHTING

Evenly illuminate your lighting design from behind with any of our slim, custom LED backlighting solutions. Whether your backlighting need is for a grand format solution or for a small 2”x4” piece, we offer an array of solutions that will help enliven your retail and architectural spaces so that your product or architectural creation stands out as the focal point. Our engineers and project specialists are always available to provide quality product consultations tailored to address the needs of your desired application.

LUXFIT LIGHT PANELS **15**
LUXFIT CLASSIC 21
LUXFIT RGB 23

LUXMESH LATTICE **35**

LUXFLEX FLEXIBLE SHEET **39**
LUXFLEX STANDARD 41
LUXFLEX PREMIUM 43
LUXFLEX RGB+W 45
LUXFLEX TUNABLE WHITE 47

LUXMESH WALL INSTALLATION
US FOREST SERVICE | CATALINA ISLAND, CA
LUXMESH

LUXMESH™ LATTICE LIGHTING

DIVERSE APPLICATIONS

- Luminous Ceilings & Walls
- Fabric Light Box Backlighting
- Sign Cabinet Backlighting
- Large Format Illumination
- Retail Design
- ...And Many More!

POWERFULLY BRIGHT ILLUMINATION

Designed to meet both the needs of large format illumination and high brightness levels, LUXMESH™ LED Lattice is the right choice for interior spaces or grand scale graphics backlighting. Available in 3 roll widths and easily installed 3"-5" from an illuminated surface, this innovation features great brightness measured at 800+ lm/ft^2 and an optical lens with a wide beam angle of 160°.

AVAILABLE STICK LENGTHS

9 ½ (241mm)
SHORT

19 ¼ (489mm)
MEDIUM

37 ¾ (959mm)
LONG

KEY FEATURES

CRI 80+
OPTIMAL COLOR RENDERING

OUTSTANDING BRIGHTNESS

CONTOURS FOR SIMPLE CURVES

160°
WIDE BEAM ANGLE

CUSTOM ROLL LENGTHS

QUALITY

c UL us LISTED
E477011

Quality approved
100% QC

2 YEAR
MANUFACTURER'S WARRANTY

LUXMESH™

LED LATTICE

LIGHTING

LED Chip Nichia 3030 LED
No. Sticks per Roll 10 sticks (standard)

INSTALLATION

Mounting

- Screws
- Double-sided foam tape

IP Rating IP60*
Environment Indoor applications

**EXTERIOR applications (IP65) available upon request.*

POWER SUPPLY

Input Voltage 24VDC
Connector Type

- Molex®
- Hardwire

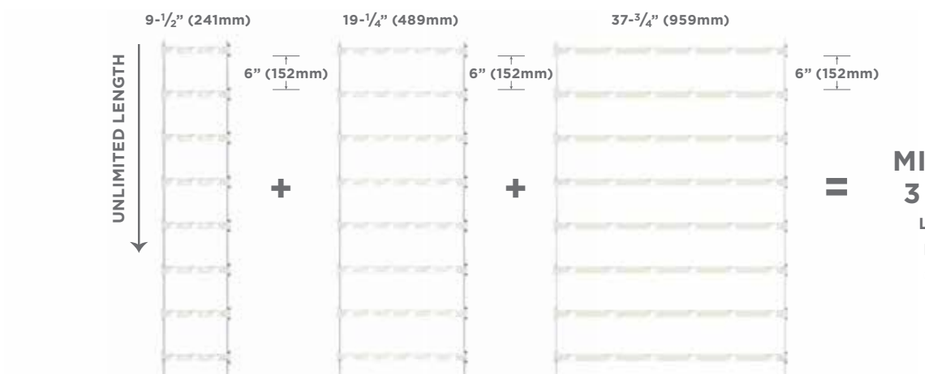
DIMMING

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

UNIQUE APPLICATIONS

- Backlighting
- Signage & Cabinets
- Fabric Light Boxes
- Grand Format Illumination

CCT	LUMINOUS FLUX
4100K Neutral White	1182 lm/ft 3892 lm/m
5300K Daylight	1182 lm/ft 3892 lm/m
6500K Cool White	1182 lm/ft 3892 lm/m



MIX & MATCH 3 BAR SIZES
LINK LED STICKS HORIZONTALLY OR VERTICALLY

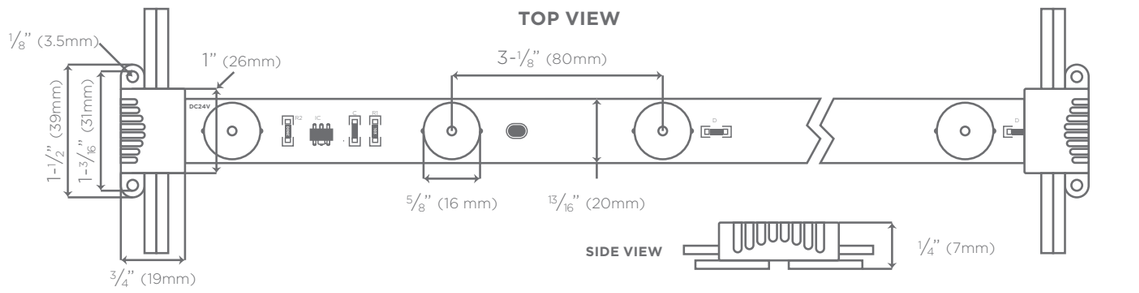


ILLUSTRATION NOT DRAWN TO SCALE

SIZE	STICK WIDTH	LEDS PER STICK	ROLL LENGTH	LUMINOUS FLUX	EFFICACY	POWER	MAX LOAD (96W)
Short	9 1/2" 241mm	3	54" 1372mm	320 lm/stick	86.5 lm/W	3.7 W/stick	24 sticks
Medium	19 1/4" 489mm	6		650 lm/stick	86.7 lm/W	7.5 W/stick	12 sticks
Long	37 3/4" 959mm	12		1300 lm/stick		15.0 W/stick	6 sticks

HOW TO ORDER: LUXMESH

EXAMPLE

LUXMESH™	LONG STICK	72"	6500K	MOLEX®
M3872WM	M	38	72	W	M
	PRODUCT LINE/PROFILE	STICK WIDTH	ROLL LENGTH (MULTIPLES OF 6 ONLY)	COLOR TEMPERATURE (CCT)	CONNECTOR

BUILD IT!

PRODUCT LINE

M	LUXMESH™ LED LATTICE

STICK WIDTH

09	9-1/2" (SHORT)
19	19-1/4" (MEDIUM)
38	37-3/4" (LONG)

ROLL LENGTH (MULTIPLES OF 6 ONLY)

LL	LENGTH (VARIES)

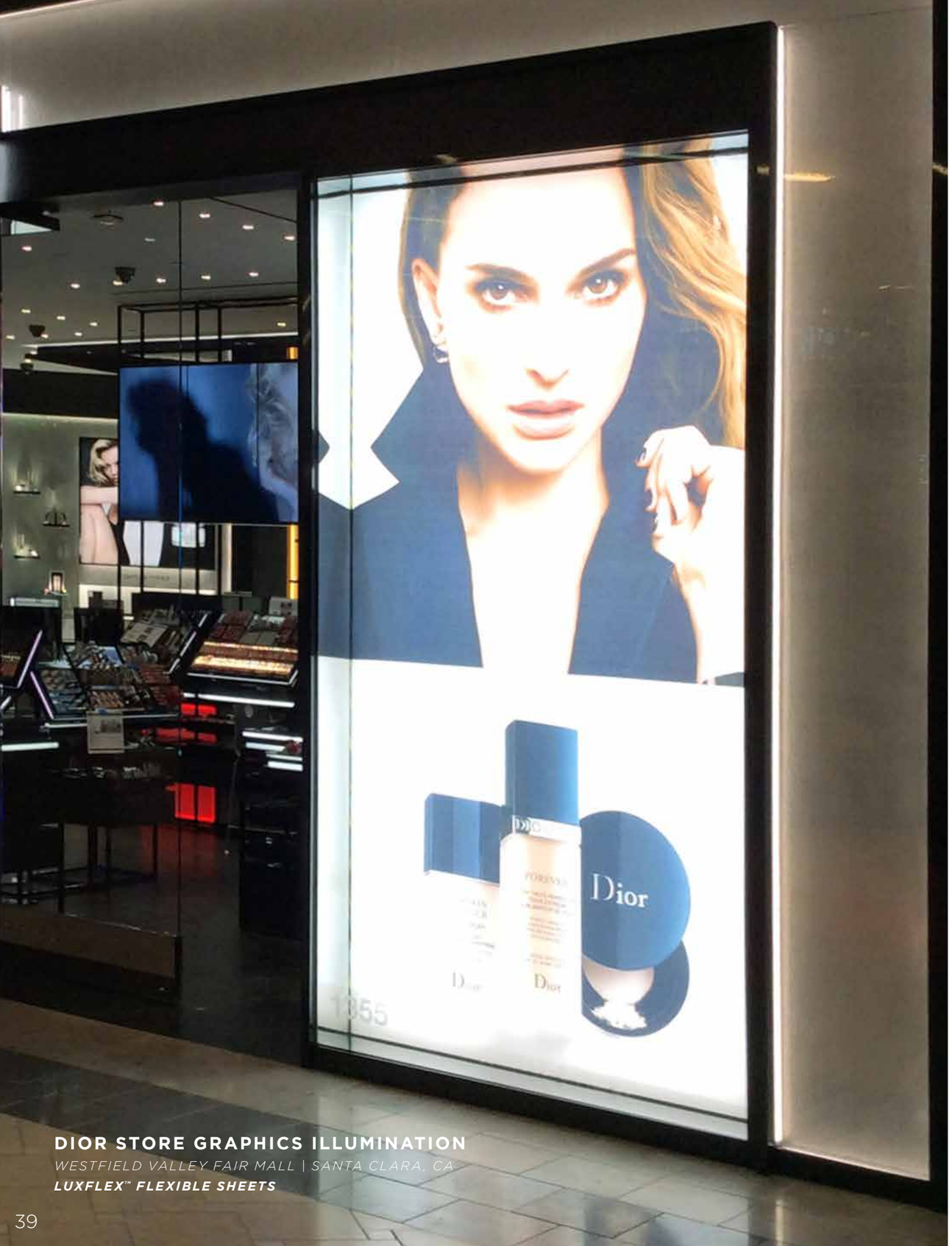
COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
C	CUSTOM CCT

CONNECTOR

M	MOLEX®
H	HARDWIRE

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.



DIOR STORE GRAPHICS ILLUMINATION
WESTFIELD VALLEY FAIR MALL | SANTA CLARA, CA
LUXFLEX™ FLEXIBLE SHEETS

LUXFLEX™ FLEXIBLE SHEET

DIVERSE APPLICATIONS

- Luminous Ceilings & Walls
- Indoor Ad Signage
- Outdoor Ad Signage
- Advertising Screens
- Backlit Signage
- ...And Many More!

THIN & FLEXIBLE BACKLIGHTING

For curvy, space-sensitive backlighting solutions requiring the thinnest of lighting solutions, we provide LUXFLEX™ LED Flexible Sheets. These sheets are great for backlighting projects where a lighting solution that is both thin and bendable may be needed to fit into soft, curving surfaces and spaces. Great for projects of many shapes and sizes, LUXFLEX™ may be tiled for grand format illumination or cut into pieces as small as 2" x 4" to meet the needs of your specific application.

AVAILABLE SHEETS

STANDARD
12" x **24"** sheet
304.8mm x 609.6mm

PREMIUM
12" x **24"** sheet
304.8mm x 609.6mm

RGB+W
12" x **24"** sheet
304.8mm x 609.6mm

TUNABLE WHITE
12" x **24"** sheet
304.8mm x 609.6mm

QUALITY

UL LISTED E477011

100% QC

MANUFACTURER'S WARRANTY

KEY FEATURES

CUTTABLE

CROSSWIRED CUT SECTIONS ILLUMINATE

FLEXIBLE PCB BOARD

WIDE BEAM ANGLE

CUSTOM LENGTHS

TILE SHEETS FOR GREATER COVERAGE

AREA ILLUMINATION

EASY CONNECTIVITY

LUXFLEX™ STATIC WHITE
STANDARD

PARAMETERS

LED Count 288 LEDs/sheet
Sheet Thickness

- Sheet only: 0.02" (0.51mm)
- LED height: 0.04" (1mm)
- Connector height: 0.31" (8mm)

Sheet Dimensions 12" x 24" (609.6mm x 304.8mm)
Lamp Life 60,000+ hours

INSTALLATION

Field Cuttable

- 2"x4" (50.8mm x 101.6mm)
- Supports vertical & horizontal cuts

Mounting

- 3M Adhesive Tape
- Screws

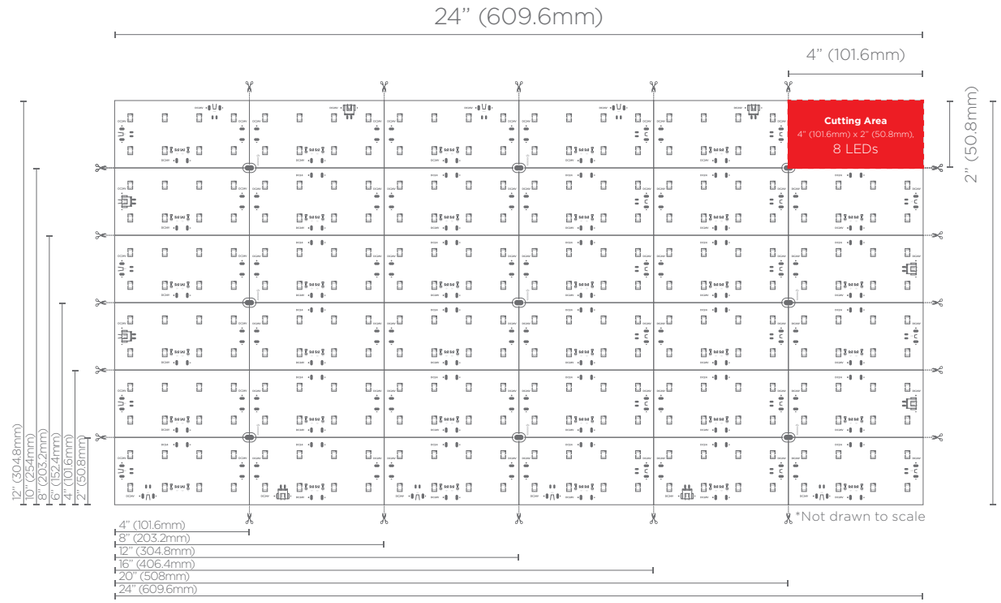
Environment Indoor only

POWER SUPPLY

Input Voltage 24VDC
Connector Type Molex®

DIMMING

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)



S	V	P	C	T	#
STANDARD	24V	1" (25.5mm)	2" x 4" (50.8mm x 101.6mm)	0.31" (8mm)	8

KEY

S Sheet Type
V Operating Voltage
P Center-to-Center Pitch
C Cut Section Dimensions
T Sheet Thickness
No. LEDs per Cut Section

UNIQUE FEATURES

CRI 90+
OPTIMAL COLOR RENDERING

LOW MED HIGH
THREE POWER OPTIONS

VERSATILE BACKLIGHTING SOLUTION

Consider using LUXFLEX with translucent surface materials such as these materials listed below.

Duratrans

Vinyl

Fabrics

Resin

Glass

Acrylic

SHEET TYPE	CCT	EFFICACY	LUMINOUS FLUX			POWER		
		lm/W	lm/sq. ft.	lm/sheet	lm/2" x 4" section	W/sq. ft	W/sheet	W/2" x 4" section
HIGH POWER 19W SHEET	3000K Warm White	141	1298.5	2597	72.1	9.5	19	0.53
	4100K Neutral White	147	1350.5	2701	75.0			
	5300K Daylight	153	1404.5	2809	78.0			
	6500K Cool White	159	1460.5	2921	81.1			
MEDIUM POWER 12W SHEET	3000K Warm White	141	817.5	1635	45.4	6	12	0.33
	4100K Neutral White	147	866.5	1733	48.1			
	5300K Daylight	153	886.5	1773	49.3			
	6500K Cool White	159	921.5	1843	51.2			
LOW POWER 6W SHEET	3000K Warm White	141	408.6	817	22.7	3	6	0.17
	4100K Neutral White	147	426.0	852	23.7			
	5300K Daylight	153	443.4	887	24.6			
	6500K Cool White	159	460.8	922	25.6			

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXFLEX™ STATIC WHITE
PREMIUM

PARAMETERS

LED Count 288 LEDs/sheet
Sheet Thickness

- Sheet only: 0.02" (0.51mm)
- LED height: 0.04" (1mm)
- Connector height: 0.31" (8mm)

Sheet Dimensions 12" x 24" (609.6mm x 304.8mm)
Lamp Life 60,000+ hours

INSTALLATION

Field Cuttable

- 2"x4" (50.8mm x 101.6mm)
- Supports vertical & horizontal cuts

Mounting

- 3M Adhesive Tape
- Screws

Environment Indoor/outdoor

POWER SUPPLY

Input Voltage 24VDC
Connector Type Molex®

DIMMING

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

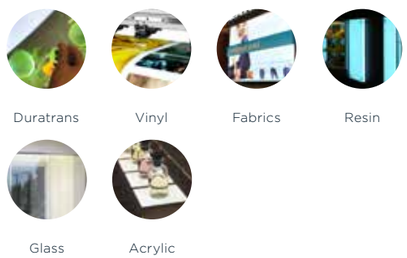
UNIQUE FEATURES

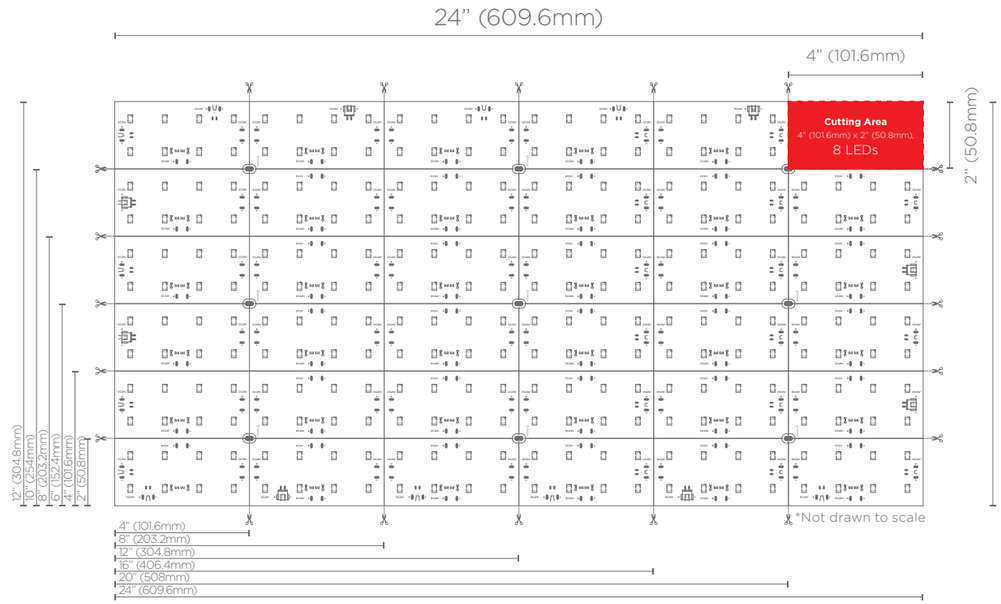
CRI 90+ — OPTIMAL COLOR RENDERING

IP65 — IP65 DAMP RATED

VERSATILE BACKLIGHTING SOLUTION

Consider using LUXFLEX with translucent surface materials such as these materials listed below.





S	V	P	C	T	#
PREMIUM	24V	1" (25.5mm)	2" x 4" (50.8mm x 101.6mm)	0.31" (8mm)	8

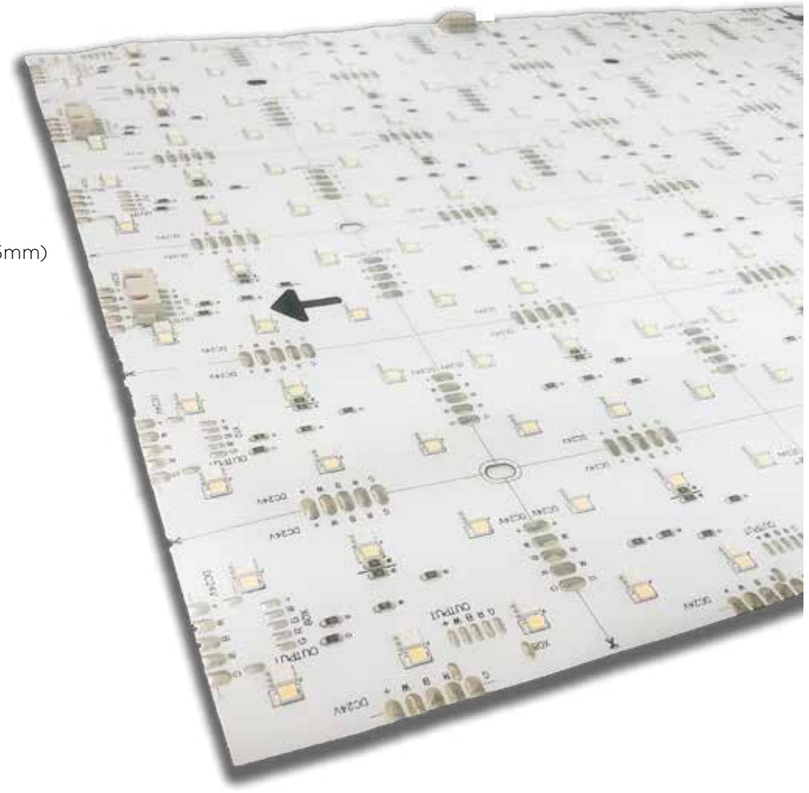
KEY

S Sheet Type
V Operating Voltage
P Center-to-Center Pitch
C Cut Section Dimensions
T Sheet Thickness
No. LEDs per Cut Section

CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX per sheet	LUMINOUS FLUX per 2" x 4" pc	POWER per sheet	POWER per 2" x 4" pc
3000K Warm White	138 lm/W	120°	3564 lm/sheet	99 lm/pc	25.92 W/sheet	0.72 W/pc
4100K Neutral White	143 lm/W		3706 lm/sheet	103 lm/pc		
5300K Daylight	149 lm/W		3855 lm/sheet	107 lm/pc		
6500K Cool White	155 lm/W		4009 lm/sheet	111 lm/pc		

LUXFLEX™

RGB+W



PARAMETERS

LED Count 576 LEDs/sheet
Sheet Thickness

- Sheet only: 0.03" (0.70mm)
- LED height: 0.02" (0.5mm)
- Connector height: 0.25" (6.5mm)

Sheet Dimensions 24" x 12" (610mm x 305mm)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable

- 2"x3" (50.8mm x 76.2mm)
- Supports vertical & horizontal cuts

Mounting

- 3M Adhesive Tape
- Screws

Environment Outdoor location safe

POWER SUPPLY

Input Voltage 24VDC
Connector Type Molex®

COMPATIBLE CONTROL

- DMX control
- Pulse-width modulation (PWM)

UNIQUE FEATURES

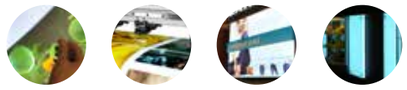
ADJUSTABLE RGB+W COLOR

DIMMABLE

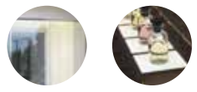
THREE POWER OPTIONS

VERSATILE BACKLIGHTING SOLUTION

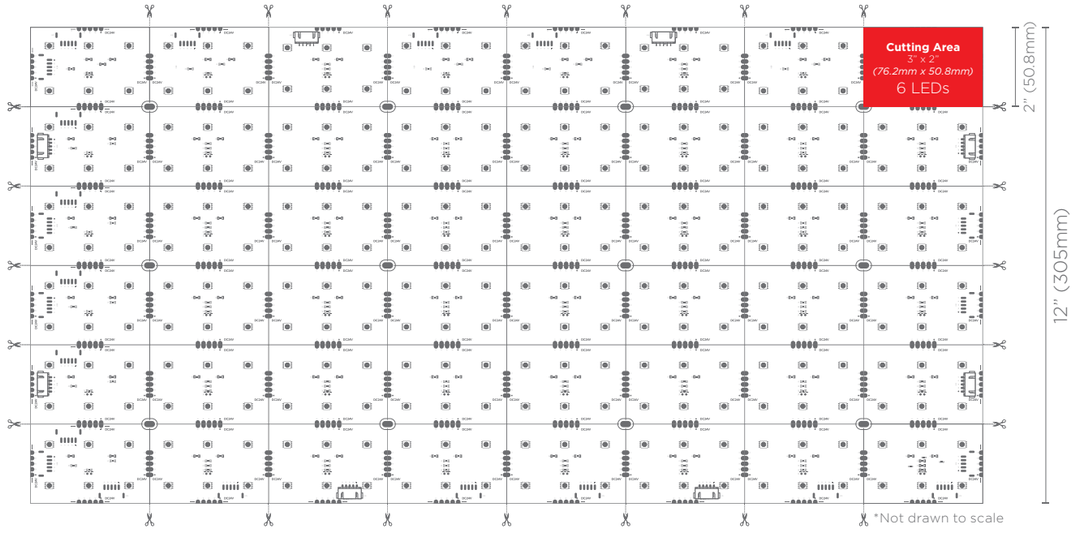
Consider using LUXFLEX with translucent surface materials such as these materials listed below.



Duratrans | Vinyl | Fabrics | Resin



Glass | Acrylic



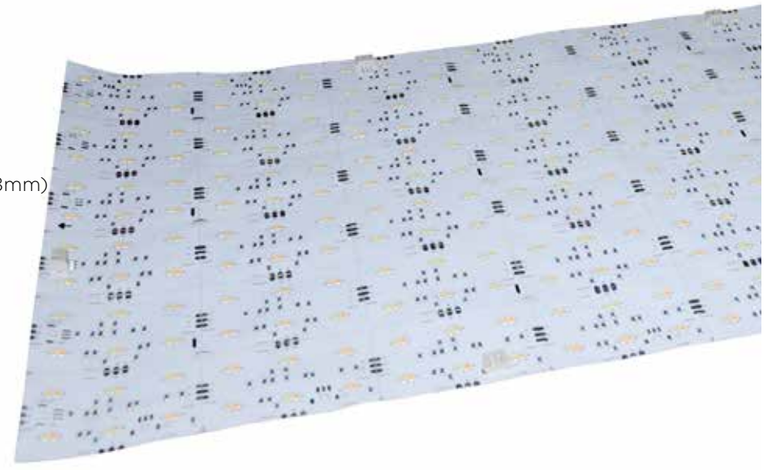
LED SIZE	OPERATING VOLTAGE	PITCH center-to-center	DIMENSIONS cut grid	CONNECTOR HEIGHT	# LEDS per cut section
4040 + 2835	24V	1" (25mm)	2" x 3" x 0.02" (50.8mm x 76.2mm x 0.5mm)	0.25" (6.5mm)	12

SHEET TYPE	CCT	EFFICACY lm/W	LUMINOUS FLUX lm/sq. ft.	LUMINOUS FLUX lm/sheet	LUMINOUS FLUX lm/2" x 3" section	POWER W/sq. ft	POWER W/sheet	POWER W/2" x 3" section
HIGH POWER 32.3W SHEET	625nm Red	30	120	240	5	4	8	0.17
	525nm Green	85	340	680	14			
	465nm Blue	18	72	144	3			
	3000K Warm White	91	468.26	936.52	20			
	RGB+W	56	III6.46	2232.92	47	16.15	32.3	0.67
MEDIUM POWER 22.4W SHEET	625nm Red	30	84	168	3.5	2.8	5.6	0.12
	525nm Green	85	265	476	10			
	465nm Blue	18	56	101	2			
	3000K Warm White	125	349	698	15			
	RGB+W	74	833	1667	35	11.2	22.4	0.47
LOW POWER 16.15W SHEET	625nm Red	30	60	120	2.5	2	4	0.08
	525nm Green	85	189	340	7			
	465nm Blue	18	40	72	2			
	3000K Warm White	116	231	463	10			
	RGB+W	77	624	1247	26	8.075	16.15	0.34

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXFLEX™

TUNABLE WHITE



PARAMETERS

LED Count 576 LEDs/sheet
Sheet Thickness

- Sheet only: 0.02" (0.51mm)
- LED height: 0.04" (1mm)
- Connector height: 0.26" (6.6mm)

Sheet Dimensions 24" x 12" (609.6mm x 304.8mm)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable

- 2"x3" (50.8mm x 76.2mm)
- Supports vertical & horizontal cuts

Mounting

- 3M Adhesive Tape
- Screws

Environment

- Indoor/dry location
- Outdoor/damp location available upon request

POWER SUPPLY

Input Voltage 24VDC
Connector Type Molex®

COMPATIBLE CONTROL

- DMX control
- Pulse-width modulation (PWM)

UNIQUE FEATURES

TUNABLE WHITE
ADJUSTABLE RGBW COLOR

x6
EASY CONNECTIVITY

CRI 90+
OPTIMAL COLOR RENDERING

LOW MED HIGH
THREE POWER OPTIONS

VERSATILE BACKLIGHTING SOLUTION

Consider using LUXFLEX with translucent surface materials such as these materials listed below.

Duratrans

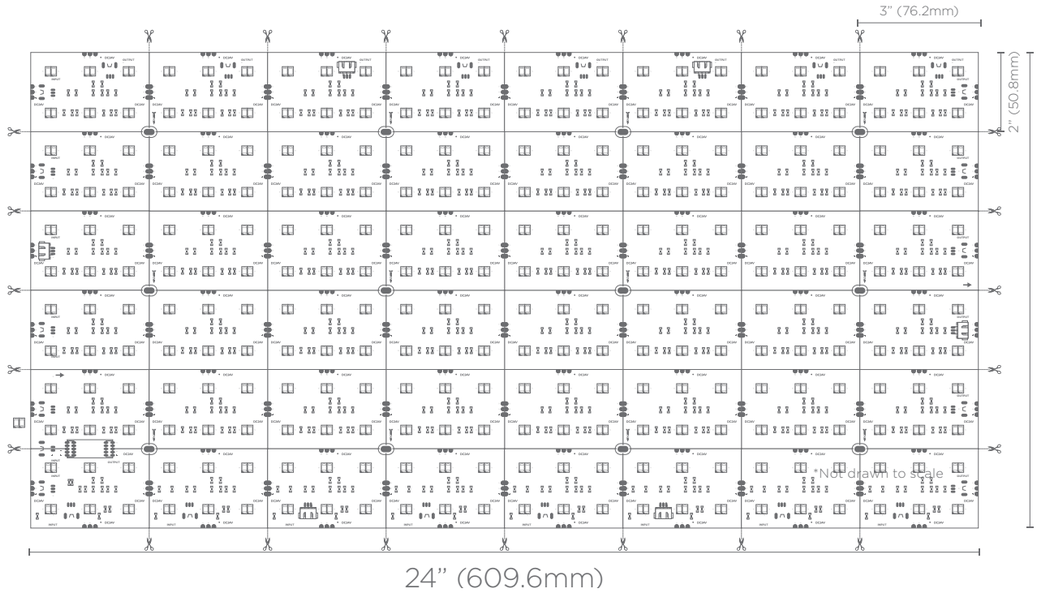
Vinyl

Fabrics

Resin

Glass

Acrylic



LED SIZE	OPERATING VOLTAGE	PITCH center-to-center	DIMENSIONS cut section	CONNECTOR HEIGHT	# LEDS per cut section
2835	24V	1" (25.5mm)	2" x 3" x 0.02" (50.8mm x 76.2mm x 0.51mm)	0.269" (6.6mm)	12

SHEET TYPE	CCT	LUMINOUS FLUX lm/sq. ft.	LUMINOUS FLUX lm/sheet	LUMINOUS FLUX lm/2" x 3" section	POWER W/sq. ft	POWER W/sheet	POWER W/2" x 3" section
HIGH POWER *30W SHEET*	6500K Cool White	708.5	1417	29.5	7.5	15	0.3
	2400K Deep Warm White	655.5	1311	27.3	7.5	15	0.3
	4100K Neutral White	1364	2728	56.8	15	30	0.6
MEDIUM POWER *18W SHEET*	6500K Cool White	425	850	17.7	4.5	9	0.2
	2400K Deep Warm White	393	786	16.4	4.5	9	0.2
	4100K Neutral White	818	1636	34.1	9	18	0.4
LOW POWER *12W SHEET*	6500K Cool White	283.5	567	11.8	3	6	0.1
	2400K Deep Warm White	262	524	10.9	3	6	0.1
	4100K Neutral White	545.5	1091	71	6	12	0.3

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

HOW TO ORDER: LUXFLEX STANDARD, PREMIUM & RGB+W

EXAMPLE

FSR1224WMO-6W

BUILD IT!

LUXFLEX™ STANDARD	12" X 24"	6500K	MOLEX	OUTDOOR IP65 RATING	LOW POWER
FSR	1224	W	M	O	-6W
PRODUCT LINE/PROFILE	DIMENSIONS (LENGTH X WIDTH)	COLOR TEMPERATURE (CCT)	CONNECTOR	APPLICATION TYPE	POWER PER SHEET
				REQUIRED FOR PREMIUM. OPTIONAL FOR STANDARD/RGBW. OMIT IF N/A	LUXFLEX STANDARD ONLY OMIT IF N/A

PRODUCT LINE

FSR LUXFLEX™ STANDARD
FBR LUXFLEX™ PREMIUM
FR LUXFLEX™ RGB+W

DIMENSIONS (IN INCHES)

LLWW LENGTH (VARIES)

COLOR TEMPERATURE (CCT)

W 6500K
V 5300K
Y 4100K
Z 3000K
C CUSTOM CCT

CONNECTOR

B DC BARREL JACK
M MOLEX®
H HARDWIRE

APPLICATION TYPE

REQUIRED FOR PREMIUM.
OPTIONAL FOR STANDARD/RGBW.

O ADD IP65 RATING (OMIT IF N/A).

POWER PER SHEET

ADD FOR LUXFLEX STANDARD ONLY.

-6W LOW POWER
-12W MEDIUM POWER
-19W HIGH POWER
-XXW CUSTOM WATTAGE

HOW TO ORDER: LUXFLEX TUNABLE WHITE

EXAMPLE

FA1224LM

BUILD IT!

LUXFLEX TUNABLE WHITE	12" X 24"	12W	MOLEX®
FA	1224	L	M
PRODUCT LINE/PROFILE	DIMENSIONS (LENGTH X WIDTH)	POWER	CONNECTOR

PRODUCT LINE

FA LUXFLEX™ TUNABLE WHITE

DIMENSIONS (IN INCHES)

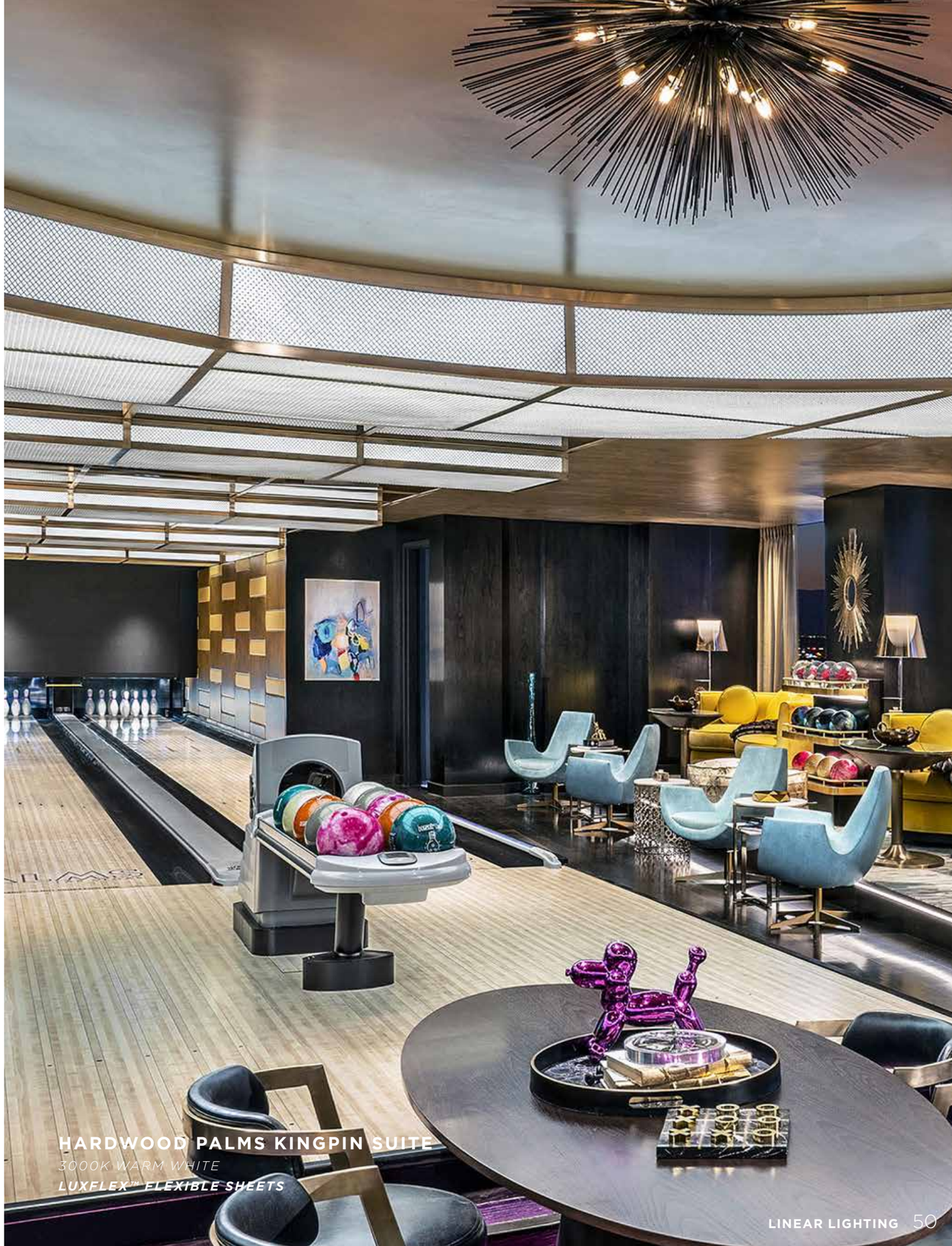
LLWW LENGTH (VARIES)

POWER

H HIGH POWER (30W)
M MEDIUM POWER (18W)
L LOW POWER (12W)

CONNECTOR

M MOLEX®
H HARDWIRE



HARDWOOD PALMS KINGPIN SUITE
3000K WARM WHITE
LUXFLEX™ FLEXIBLE SHEETS

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

DIOR RETAIL STORE
WESTFIELD VALLEY FAIR MALL | SANTA CLARA, CA
LUXLINE™ & LUXFIT™ & LUXFLEX™

LINEAR LIGHTING

For architectural lighting solutions that impress, look no further than our linear lighting solutions. The linear lighting collection encompasses a wide array of solutions including light strips, light tubes, chip on board, and flexible neon tube lighting.

LUXLINE LIGHT STRIPS **53**
LUXLINE 2016/182/553 55
LUXLINE 2835R/120/8 57
LUXLINE 2835R0/84/8 59
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LUXLINE TUNABLE WHITE 63
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LUXLINEAR LIGHT TUBES **71**
LUXLINEAR NORMAL 1715 73
LUXLINEAR LOW 1707 74
LUXLINEAR SLIM 1008 75
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LUXCLARA COB LIGHTING **81**
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LUXNEON FLEXIBLE TUBE LIGHTS **89**
LUXNEON CLASSIC 91
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LUXNEON LOW 99

HOTEL HALLWAY
4100K NEUTRAL WHITE (CONCEPT)
LUXLINE™ LIGHT STRIP (2835R/120/8)

LUXLINE™ LIGHT STRIPS

CUT, FLEX & CURVE

A cost-effective lighting solution with the highest quality illumination and an outstanding color rendering index of 90+, LUXLINE™ LED Strip Lighting is very versatile in application with specialized implementation in small, compact areas and illuminated custom shapes. LUXLINE™ may be used for both straight and curved applications to fit your desired retail merchandising, POP, architectural, or signage application. LUXLINE™ is available in multiple strip widths to better accommodate the customization needs of space-sensitive applications.

UNIVERSAL APPLICATIONS

- Promotional Graphics
- Retail Displays
- Trade Shows & Exhibits
- Signage
- Under Cabinet Lighting
- Illuminated POP Displays
- Ambient Lighting
- Architectural Lighting
- Showcases & Bookshelves
- Path & Contour Marking
- Indoor Accent Lighting

AVAILABLE STRIP WIDTHS

INDOOR USE ONLY*

0.20” *5mm*
0.24” *6mm - RGB*
0.31” *8mm*
0.31” *8mm - Tunable*
0.87” *22mm*

Contact a Project Specialist for inquiries about **outdoor applications and additional strip widths as slim as **4mm.***

KEY FEATURES

- OUTSTANDING BRIGHTNESS
- LONG LED LIFESPAN
- FLEX & CURVE
- CUTTABLE
- CUSTOM LENGTHS

QUALITY

- UL LISTED E477011
- 100% QC
- MANUFACTURER’S WARRANTY

LUXLINE™
2016/182/5

LIGHTING

LED Count 49 pc/ft (182 pc/m)
Strip Width 0.20" (5mm)
Roll Length 16 ft 3/8" (5m)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable 1.52" (38.5mm), every 7 LEDs
Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 24VDC
Connector Type

- O Molex®
- O DC Barrel Jack
- O Hardwire

DIMMING

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)

UNIQUE FEATURES

CRI 90+ — OPTIMAL COLOR RENDERING

120° — WIDE BEAM ANGLE

ONE BIN ONLY — CONSISTENT LIGHT COLOR

5mm — SLIM WIDTH

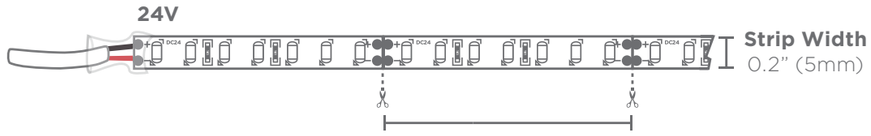
COMPATIBLE WITH

All LUXLINEAR™ LED Tube Lighting Profiles

(Flip to "Linear Lighting" for details)

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale



S	V	P	C	W	#
2016	24V	0.22" (5.5mm)	1.52" (38.5mm)	0.20" (5mm)	7

KEY

S Strip Type
V Operating Voltage
P Center-to-Center Pitch
C Cutting Length
W Strip Width
No. LEDs per Cutting Length

CCT	CRI	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
3000K Warm White	≥ 90	84.5 lm/W	120°	241 lm/ft (790 lm/m)	2.85 W/ft (9.36 W/m)
3250K Warm White		86.7 lm/W		247 lm/ft (810 lm/m)	
4100K Neutral White		90 lm/W		256 lm/ft (840 lm/m)	

LUXLINE™
2835R/120/8

LIGHTING

LED Count 36 pc/ft (120 pc/m)
Strip Width 0.31" (8mm)
Roll Length 16 ft 3/8" (5m)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable

- 12V: 0.98" (25mm), every 3 LEDs
- 24V: 1.96" (50mm), every 6 LEDs

Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 12VDC, 24VDC
Connector Type

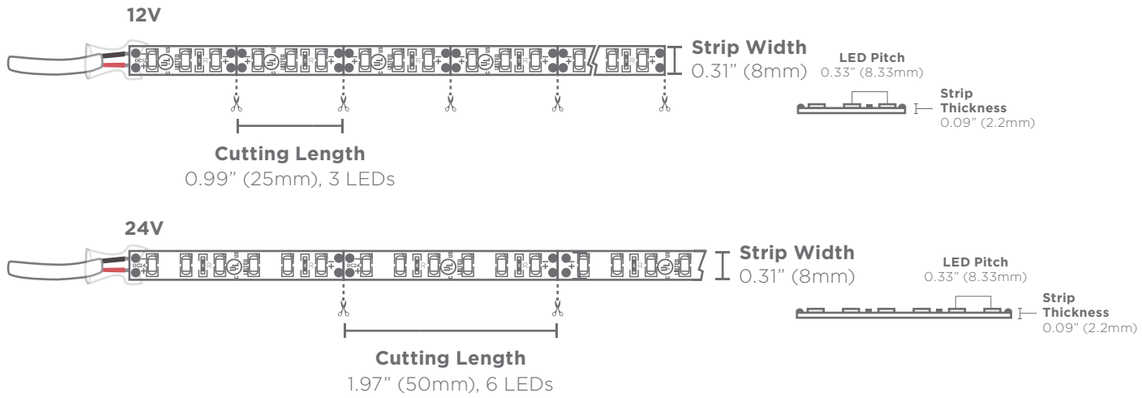
- Molex®
- DC Barrel Jack
- Hardwire

DIMMING

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale



S	V	P	C	W	#
2835R	12V	0.33" (8.33mm)	0.99" (25mm)	0.31" (8mm)	3
	24V		1.97" (50mm)		6

KEY

S Strip Type
V Operating Voltage
P Center-to-Center Pitch
C Cutting Length
W Strip Width
No. LEDs per Cutting Length

CCT	CRI	R9	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
3000K Warm White	≥90	≥50	86 lm/W	120°	250 lm/ft (821 lm/m)	2.9 W/ft (9.6 W/m)
4100K Neutral White			94 lm/W		275 lm/ft (903 lm/m)	
5300K Daylight						
6500K Cool White			103 lm/W		300 lm/ft (985 lm/m)	

UNIQUE FEATURES

COMPATIBLE WITH

Many LUXLINEAR™ LED Tube Lighting Profiles

(Flip to "Linear Lighting" for details)

LUXLINE™
2835R0/84/8

LIGHTING

LED Count 25 pc/ft (84 pc/m)
Strip Width 0.31" (8mm)
Roll Length 16 ft 3/8" (5m)
Lamp Life 60,000+ hours

INSTALLATION

Field Cuttable

- 12V: 1.41" (35.7mm), every 3 LEDs
- 24V: 2.81" (71.4mm), every 6 LEDs

Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 12VDC, 24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

DIMMING

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

UNIQUE FEATURES

CRI 90+ — OPTIMAL COLOR RENDERING

120° — WIDE BEAM ANGLE

ONE BIN ONLY — CONSISTENT LIGHT COLOR

8mm — SLIM WIDTH

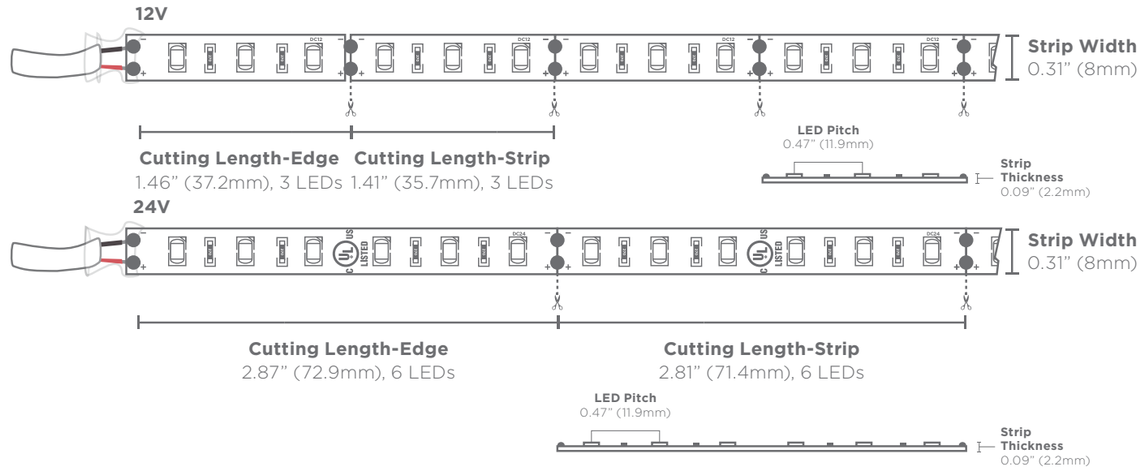
COMPATIBLE WITH

Many LUXLINEAR™ LED Tube Lighting Profiles

(Flip to "Linear Lighting" for details)

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale



S	V	P	C_1	C_2	W	#
2835R0	12V	0.47" (11.9mm)	1.46" (37.2mm)	1.41" (35.7mm)	0.31" (8mm)	3
	24V		2.87" (72.9mm)	2.81" (71.4mm)		6

KEY

S Strip Type
V Operating Voltage
P Center-to-Center Pitch
C_1 Cutting Length - From Edge
C_2 Cutting Length - Strip to Strip
W Strip Width

CCT	CRI	R9	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
3000K Warm White	≥90	≥50	86 lm/W	120°	175 lm/ft (575 lm/m)	2.05 W/ft (6.72 W/m)
4100K Neutral White			94 lm/W		193 lm/ft (633 lm/m)	
5300K Daylight						
6500K Cool White			102 lm/W		210 lm/ft (690 lm/m)	

LUXLINE™
2835H3/288/22

LIGHTING

LED Count 364 pc/yd (288 pc/m)
Strip Width 0.87" (22mm)
Roll Length 16 ft 3/8" (5m)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable 3.25" (83mm), every 24 LEDs
Standard Mounting 3M Adhesive Tape
Heat Sink Required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 24VDC
Connector Type

- O Molex®
- O DC Barrel Jack
- O Hardwire

DIMMING

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)

UNIQUE FEATURES

CRI 90+ — OPTIMAL COLOR RENDERING

120° — WIDE BEAM ANGLE

ONE BIN ONLY — CONSISTENT LIGHT COLOR

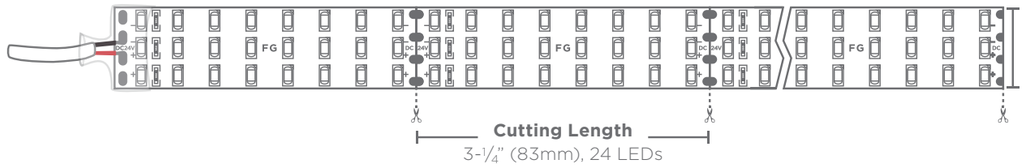
130 lm/W — HIGH EFFICACY

UNIQUE APPLICATIONS

- Retail Environments
- General Office Lighting
- Corporate Buildings

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale



S	V	P_1	P_2	C_1	C_2	W	#
2835H3	24V	0.28" (7.2mm)	0.41" (10.4mm)	3.36" (85.3mm)	3.28" (83.3mm)	0.87" (22mm)	24

KEY

S Strip Type
V Operating Voltage
P_1 Center-to-Center Pitch
P_2 Edge-to-Center Pitch
C_1 Cutting Length - From Edge
C_2 Cutting Length - Strip to Strip
W Strip Width
No. LEDs per Cutting Length

CCT	CRI	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
3000K Warm White	≥90	109 lm/W	120°	871 lm/ft (2856 lm/m)	7.9 W/ft (26 W/m)
4100K Neutral White					
5300K Daylight		150 lm/W		1187 lm/ft (3892 lm/m)	
6500K Cool White					

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXLINE™

TUNABLE WHITE

LIGHTING

LED Count 36 pc/ft (120 pc/m)
Strip Width 0.31" (8mm)
Roll Length 13 ft 1-7/16" (4m)
Lamp Life 50,000+ hours

INSTALLATION

Field Cuttable 1.96" (50mm), every 6 LEDs
Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 24VDC
Connector Type

- O Molex®
- O DC Barrel Jack
- O Hardwire

COMPATIBLE CONTROL

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)

UNIQUE FEATURES

COMPATIBLE WITH TUNABLE WHITE CONTROL | WIDE BEAM ANGLE | SLIM WIDTH

UNIQUE APPLICATIONS

- Offices & Commercial Spaces
- Stage & Entertainment

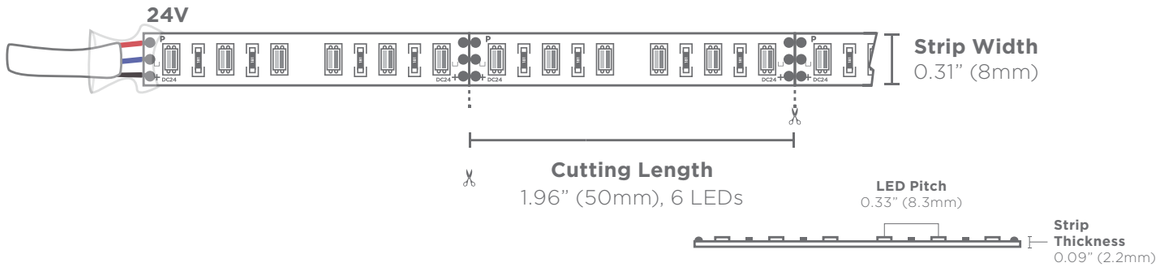
COMPATIBLE WITH

Many LUXLINEAR™ LED Tube Lighting Profiles

(Flip to "Linear Lighting" for details)

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale



S	V	P	C	W	#
TUNABLE WHITE	24V	0.33" (8.3mm)	1.96" (50mm)	0.31" (8mm)	6

KEY

S Strip Type
V Operating Voltage
P Center-to-Center Pitch
C Cutting Length - Strip to Strip
W Strip Width
No. LEDs per Cutting Length

CCT	CRI	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
2700K-6500K Warm Glow-Cool White	≥ 90	43 lm/W	120°	253 lm/ft (830 lm/m)	5.85 W/ft (19.2 W/m)

LUXLINE™
3528H/90/5

LIGHTING

LED Count 27 pc/ft (90 pc/m)
Strip Width 0.20" (5mm)
Roll Length 16 ft 3/8" (5m)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable 1.30" (33mm), every 3 LEDs
Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 12VDC
Connector Type

- O Molex®
- O DC Barrel Jack
- O Hardwire

DIMMING

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)

UNIQUE FEATURES

CRI 80+ — STRONG COLOR RENDERING

120° — WIDE BEAM ANGLE

ONE BIN ONLY — CONSISTENT LIGHT COLOR

5mm — SLIM WIDTH

UNIQUE APPLICATIONS

- Backlighting Panels
- Channel & Plane Letters

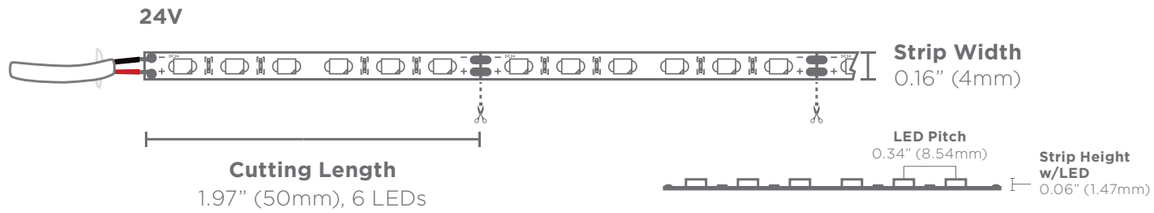
COMPATIBLE WITH

All LUXLINEAR™ LED Tube Lighting Profiles

(Flip to "Linear Lighting" for details)

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale



S	V	P	C	W	#
3528H	12V	0.43" (11mm)	1.30" (33mm)	0.19" (5mm)	3

KEY

S Strip Type
V Operating Voltage
P Center-to-Center Pitch
C Cutting Length - Strip to Strip
W Strip Width
No. LEDs per Cutting Length

CCT	CRI	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
3000K Warm White	≥80	93.66 lm/W	120°	192 lm/ft (630 lm/m)	2.05 W/ft (6.72 W/m)
4100K Neutral White					
5300K Daylight					
6500K Cool White					
Red	N/A	57.34 lm/W		129 lm/ft (424 lm/m)	2.25 W/ft (7.38 W/m)
Green		43.56 lm/W		98 lm/ft (322 lm/m)	
Blue		20 lm/W		45 lm/ft (148 lm/m)	

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXLINE™
RGB

LIGHTING

LED Count 24 LEDs/ft (84 LEDs/m)
Strip Width 0.24" (6mm)
Roll Length 16 ft 3/8" (5m)
Lamp Life 50,000+ hours

INSTALLATION

Field Cuttable

- *12V* 1.41" (35.7mm), every 3 LEDs
- *24V* 2.80" (71mm), every 6 LEDs

Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 12VDC/24VDC
Connector Type

- Hardwire
- Molex®

COMPATIBLE CONTROL

- DMX control
- Wi-Fi control for smart devices
- Radio frequency (RF) remote control
- 0-10V

UNIQUE FEATURES

COMPATIBLE WITH RGB CONTROL

WIDE BEAM ANGLE

SLIM WIDTH

UNIQUE APPLICATIONS

- Stage & Entertainment

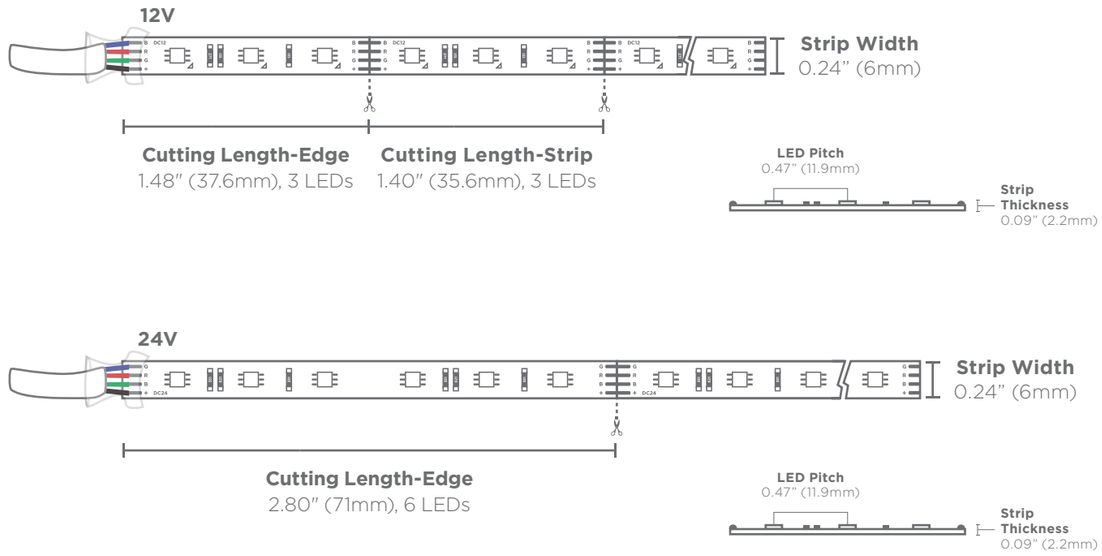
COMPATIBLE WITH

Many LUXLINEAR™ LED Tube Lighting Profiles

(Flip to "Linear Lighting" for details)

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale



S	V	P	C_1	C_2	W	#
RGB	12V	0.47" 11.9mm	1.45" 36.7mm	1.41" 35.7mm	0.24" 6mm	3
RGB	24V	0.47" 11.9mm	2.80" 71mm	1.41" 35.7mm	0.24" 6mm	6

KEY

S Strip Type
V Operating Voltage
P Center-to-Center Pitch
C_1 Cutting Length - From Edge
C_2 Cutting Length - Strip to Strip
W Strip Width
No. LEDs per Cutting Length

CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
RGB Combined	36 lm/W	120°	110.67 lm/ft 363 lm/m	3.07 W/ft 10.08 W/m
Red 625nm	35 lm/W		35.67 lm/ft 117 lm/m	1.02 W/ft 3.36 W/m
Green 525nm	68 lm/W		69.51 lm/ft 228 lm/m	1.02 W/ft 3.36 W/m
Blue 465nm	13.5 lm/W		13.72 lm/ft 45 lm/m	1.02 W/ft 3.36 W/m

HOW TO ORDER: LUXLINE LIGHT STRIP

EXAMPLE

LUXLINE™	84"	5300K	NO LENS	SET (OPTIONAL)	2835R
U84VN-2835R	U	84	V	N	-x2set	-2835R
	PRODUCT LINE/PROFILE	LENGTH	COLOR TEMPERATURE (CCT)	LENS	SET	STRIP TYPE

BUILD IT!

FOR REQUESTING MULTIPLE SETS IN A SERIES ONLY
OMIT IF N/A

PRODUCT LINE

U	LUXLINE™ LED LIGHT STRIP

LENGTH (IN INCHES)

LL	LENGTH

COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
T	TRICOLOR (RGB)
A	ADJUSTABLE (TUNABLE WHITE)
R	RED
G	GREEN
B	BLUE
C	CUSTOM CCT

LENS

N	NO LENS

SET (OPTIONAL)

-x2set	SET (OMIT IF N/A)

-LED

-2016	2016/182/5 (5mm)
-2835R	2835R/120/8 (8mm)
-2835R0	2835R0/84/8 (8mm)
-2835H3	2835H3/288/22 (22mm)
-3528H	3528H/90/5 (5mm)

COVE LIGHTING
3000K WARM WHITE (CONCEPT)
LUXLINE™ LIGHT STRIP

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXURY HANDBAG DISPLAY
RETAIL DISPLAY (CONCEPT)
LUXLINEAR™ LIGHT TUBE (NORMAL 1715)

LUXLINEAR™ LIGHT TUBES

EYE-CATCHING, VIBRANT ILLUMINATION

For a clean, sophisticated look, we recommend LUXLINEAR™ LED Tube Lighting, the ideal lighting solution for architectural and retail environments. To provide the highest quality lighting, LUXLINEAR™ emits a single pure beam of light and comes with various diffuser lens options and profiles. LUXLINEAR™ can be used to illuminate both narrow and wide spaces, adding a modern touch to applications spanning from cove to shelf lighting.

AVAILABLE PROFILES

NORMAL **1715**
LOW **1707**
SLIM **1008**
CORNER **1919**

ROUND **2019**

BUILT-IN MAGNET

FLAT **1408M**
SQUARE **1513M**

**Special profiles available upon request.*
Contact a Project Specialist for more information.

QUALITY

c UL us LISTED
E477011

Quality approved
100% QC

5 YEAR
MANUFACTURER'S WARRANTY

UNIVERSAL APPLICATIONS

- Under Cabinet Lighting
- Retail Store Fixtures
- Showroom Lighting
- Accent Lighting
- Cabinetry & Millwork
- Backlighting
- Retail & POP Display
- Showcase Lighting
- Bookcase Lighting

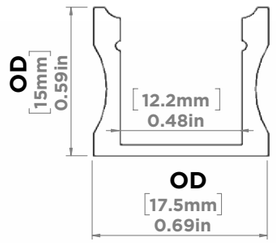
KEY FEATURES

SLIM WIDTH

CUSTOM LENGTHS

LUXLINEAR™

NORMAL 1715



DIMENSIONS

Channel Width 0.48" (12.2mm)
Cross-Section & Mounting Clips 0.78" (19.9mm) x 0.66" (16.7mm)
Extrusion Only 0.69" (17.5mm) x 0.59" (15mm)
Mounting Clips 0.78" (19.9mm) x 0.59" (15mm) x 0.35" (8.9mm)

TUBE OPTIONS

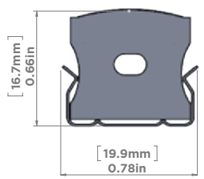
Lens

- O Frosted
- O Clear
- O No lens

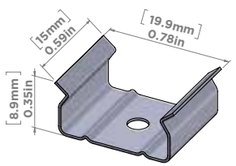
Color

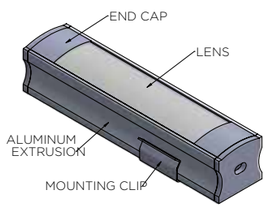
- O Silver
- O Custom Color

SECTION VIEW



MOUNTING CLIP



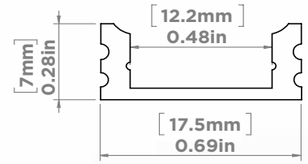


COMPATIBLE LUXLINE STRIP		FROSTED LENS		CLEAR LENS		NO LENS	
SIZE	WIDTH	BEAM	LM	BEAM	LM	BEAM	LM
LUXLINE 2835L*	0.16" 4mm	154°	125	133°	200	115°	250
LUXLINE 2835H*	0.16" 4mm	154°	175	133°	280	115°	350
LUXLINE 2016	0.20" 5mm	154°	125	133°	200	115°	250
LUXLINE 3528H	0.20" 5mm	154°	100	133°	160	115°	200
LUXLINE RGB	0.24" 6mm	154°	75	133°	120	115°	150
LUXLINE 2835R	0.31" 8mm	154°	125	133°	200	115°	250
LUXLINE 2835R0	0.31" 8mm	154°	88	133°	141	115°	176
LUXLINE Tunable White	0.31" 8mm	154°	125	133°	200	115°	250

**Available upon request.*

LUXLINEAR™

LOW 1707



DIMENSIONS

Channel Width 0.48" (12.2mm)
Cross-Section & Mounting Clips 0.75" (19mm) x 0.34" (8.6mm)
Extrusion Only 0.69" (17.5mm) x 0.28" (7mm)
Mounting Clips 0.75" (19mm) x 0.47" (12mm) x 0.34" (8.7mm)

TUBE OPTIONS

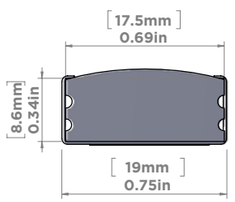
Lens

- O Frosted
- O Clear
- O No lens

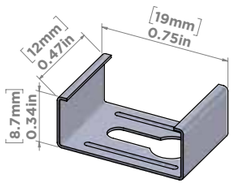
Color

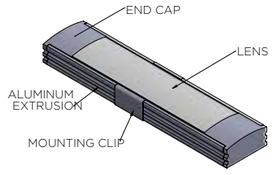
- O Silver
- O Custom Color

SECTION VIEW



MOUNTING CLIP



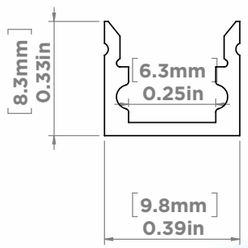


COMPATIBLE LUXLINE STRIP		FROSTED LENS		CLEAR LENS		NO LENS	
SIZE	WIDTH	BEAM	LM	BEAM	LM	BEAM	LM
LUXLINE 2835L*	0.16" 4mm	150°	129	154°	207	154°	259
LUXLINE 2835H*	0.16" 4mm	150°	181	154°	290	154°	362
LUXLINE 2016	0.20" 5mm	150°	129	154°	207	154°	259
LUXLINE 3528H	0.20" 5mm	150°	104	154°	166	154°	207
LUXLINE RGB	0.24" 6mm	150°	78	154°	124	154°	155
LUXLINE 2835R	0.31" 8mm	150°	129	154°	207	154°	259
LUXLINE 2835R0	0.31" 8mm	150°	91	154°	146	154°	182
LUXLINE Tunable White	0.31" 8mm	150°	129	154°	207	154°	259

**Available upon request.*

LUXLINEAR™

SLIM 1008



DIMENSIONS

Channel Width 0.25” (6.3mm)
Cross-Section & Mounting Clips 0.41” (10.3mm) x 0.43” (11mm)
Extrusion Only 0.39” (9.8mm) x 0.33” (8.3mm)
Mounting Clips 0.47” (11.8mm) x 0.55” (14mm) x 0.34” (8.6mm)

TUBE OPTIONS

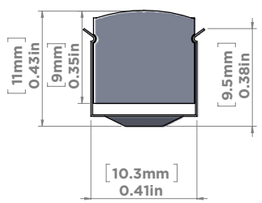
Lens

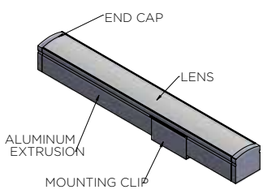
- O Frosted
- O Clear
- O No lens

Color

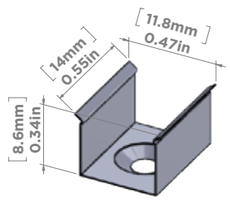
- O Silver
- O Custom Color

SECTION VIEW





MOUNTING CLIP

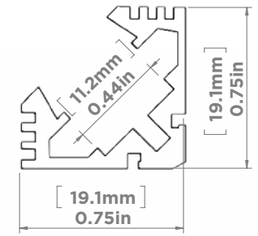


COMPATIBLE LUXLINE STRIP		FROSTED LENS		CLEAR LENS		NO LENS	
SIZE	WIDTH	BEAM	LM	BEAM	LM	BEAM	LM
LUXLINE 2835L*	0.16” 4mm	135°	136	130°	219	111°	259
LUXLINE 2835H*	0.16” 4mm	135°	190	130°	307	111°	362
LUXLINE 2016	0.20” 5mm	135°	136	130°	219	111°	259
LUXLINE 3528H	0.20” 5mm	135°	108	130°	175	111°	207
LUXLINE RGB	0.24” 6mm	135°	81	130°	132	111°	155

**Available upon request.*

LUXLINEAR™

CORNER 1919



DIMENSIONS

Channel Width 0.44” (11.2mm)
Cross-Section & Mounting Clips 0.78” (19.7mm) x 0.81” (20.7mm)
Extrusion Only 0.75” (19.1mm) x 0.75” (19.1mm)
Mounting Clips 0.76” (19.4mm) x 0.47” (12mm) x 0.31” (8mm)

TUBE OPTIONS

Lens

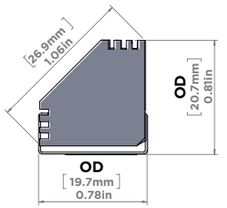
- O Frosted
- O Clear
- O No lens

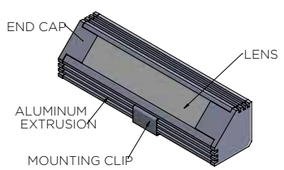
Color

- O Silver
- O Custom Color

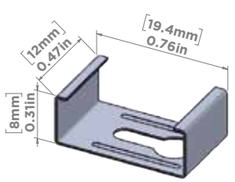
- Fits snugly into corners
- Provides focused lighting at a 45˚ angle

SECTION VIEW





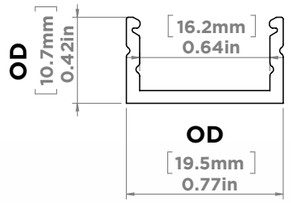
MOUNTING CLIP



COMPATIBLE LUXLINE STRIP		FROSTED LENS		CLEAR LENS		NO LENS	
SIZE	WIDTH	BEAM	LM	BEAM	LM	BEAM	LM
LUXLINE 2835L*	0.16” 4mm	135°	131	134°	210	120°	250
LUXLINE 2835H*	0.16” 4mm	135°	184	134°	295	120°	350
LUXLINE 2016	0.20” 5mm	135°	131	134°	210	120°	250
LUXLINE 3528H	0.20” 5mm	135°	105	134°	168	120°	200
LUXLINE RGB	0.24” 6mm	135°	79	134°	126	120°	150
LUXLINE 2835R	0.31” 8mm	135°	130	134°	210	120°	250
LUXLINE 2835R0	0.31” 8mm	135°	92	134°	148	120°	176
LUXLINE Tunable White	0.31” 8mm	135°	130	134°	210	120°	250

**Available upon request.*

LUXLINEAR™ ROUND 2019



DIMENSIONS

Channel Width 0.64" (16.2mm)
Cross-Section & Mounting Clips 0.87" (22mm) x 0.79" (20mm)
Extrusion Only 0.77" (19.5mm) x 0.42" (10.7mm)
Mounting Clips 0.87" (22mm) x 0.55" (14mm) x 0.51" (13mm)

TUBE OPTIONS

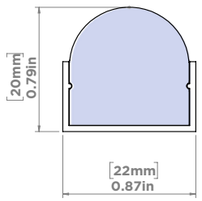
Lens

- O Frosted
- O Clear
- O No lens

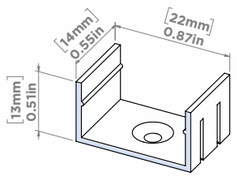
Color

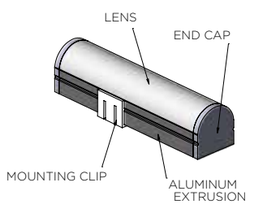
- O Silver
- O Custom Color

SECTION VIEW



MOUNTING CLIP

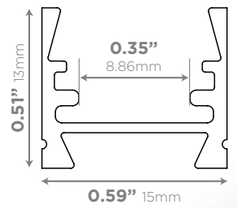




COMPATIBLE LUXLINE STRIP		FROSTED LENS		CLEAR LENS		NO LENS	
SIZE	WIDTH	BEAM	LM	BEAM	LM	BEAM	LM
LUXLINE 2835L*	0.16" 4mm	157	134	155°	210	140°	250
LUXLINE 2835H*	0.16" 4mm	157°	188	155°	295	140°	350
LUXLINE 2016	0.20" 5mm	157°	134	155°	210	140°	250
LUXLINE 3528H	0.20" 5mm	157°	107	155°	168	140°	200
LUXLINE RGB	0.24" 6mm	157°	81	155°	126	140°	150
LUXLINE 2835R	0.31" 8mm	157°	134	155°	210	140°	250
LUXLINE 2835RO	0.31" 8mm	157°	94	155°	148	140°	176
LUXLINE Tunable White	0.31" 8mm	157°	134	155°	210	140°	250

**Available upon request.*

LUXLINEAR™ *MAGNETIC* SQUARE 1513M



DIMENSIONS

Channel Width 0.35" (9mm)
Cross-Section 0.59" (15mm) x 0.51" (13mm)

TUBE OPTIONS

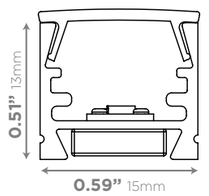
Lens

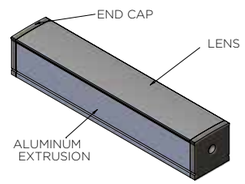
- O Frosted
- O Clear
- O No lens

Color

- O Silver
- O Custom Color

SECTION VIEW





COMPATIBLE LUXLINE STRIP		FROSTED LENS		CLEAR LENS		NO LENS	
SIZE	WIDTH	BEAM	LM	BEAM	LM	BEAM	LM
LUXLINE 2835L*	0.16" 4mm	146°	133	145°	210	130°	250
LUXLINE 2835H*	0.16" 4mm	146°	186	145°	295	130°	350
LUXLINE 2016	0.20" 5mm	146°	133	145°	210	130°	250
LUXLINE 3528H	0.20" 5mm	146°	106	145°	168	130°	200
LUXLINE RGB	0.24" 6mm	146°	80	145°	126	130°	150
LUXLINE 2835R	0.31" 8mm	146°	133	145°	210	130°	250
LUXLINE 2835RO	0.31" 8mm	146°	93	145°	148	130°	176
LUXLINE Tunable White	0.31" 8mm	146°	133	145°	210	130°	250

**Available upon request.*

LUXLINEAR™ *MAGNETIC*
FLAT 1408M

DIMENSIONS

Channel Width 0.35” (8.86mm)
Cross-Section 0.56" (14.2mm) x 0.37" (9.35mm)

TUBE OPTIONS

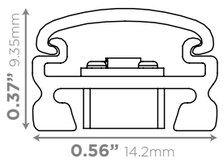
Lens

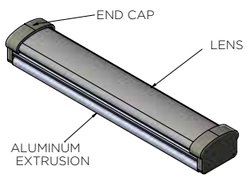
- O Frosted
- O Clear
- O No lens

Color

- O Silver
- O Custom Color

SECTION VIEW





COMPATIBLE LUXLINE STRIP		FROSTED LENS		CLEAR LENS		NO LENS	
SIZE	WIDTH	BEAM	LM	BEAM	LM	BEAM	LM
LUXLINE 2835L*	0.16” 4mm	140°	140	140°	219	125°	259
LUXLINE 2835H*	0.16” 4mm	140°	196	140°	307	125°	362
LUXLINE 2016	0.20” 5mm	140°	140	140°	219	125°	259
LUXLINE 3528H	0.20” 5mm	140°	112	140°	175	125°	207
LUXLINE RGB	0.24” 6mm	140°	84	140°	132	125°	155
LUXLINE 2835R	0.31” 8mm	140°	140	140°	219	125°	259
LUXLINE 2835R0	0.31” 8mm	140°	99	140°	154	125°	182
LUXLINE Tunable White	0.31” 8mm	140°	140	140°	219	125°	259

**Available upon request.*

HOW TO ORDER: LUXLINEAR

EXAMPLE

T84WAB-2835R	T	84	W	A	B	-2835R	-M -N
	PRODUCT LINE/PROFILE	LENGTH	COLOR TEMPERATURE (CCT)	LENS	CONNECTOR	LED STRIP TYPE	ARRANGEMENT
	NORMAL 1715	84”	6500K	NON-DIFFUSED	DC BARREL	2835R/120/8	NOT MAGNETIC; W/END CAPS

BUILD IT!

FOR MOUNTING &/OR END CAPS ONLY
OMIT IF N/A

PRODUCT LINE/PROFILE TYPE

T	LUXLINEAR/NORMAL 1715
LT	LUXLINEAR/LOW 1707
ST	LUXLINEAR/SLIM 1008
CT	LUXLINEAR/CORNER 1909
RT	LUXLINEAR/ROUND 2019
ST	LUXLINEAR/SQUARE 1513M
FT	LUXLINEAR/FLAT 1408M
ET	LUXLINEAR/CUSTOM PROFILE

LENGTH (IN INCHES)

LL	LENGTH VARIES)

COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
T	TRICOLOR (RGB)
A	ADJUSTABLE (TUNABLE WHITE)
R	RED
G	GREEN
B	BLUE
C	CUSTOM CCT

LENS

A	FROSTED
N	CLEAR LENS
E	NO LENS

CONNECTOR

B	DC BARREL JACK
H	HARDWIRE
M	MOLEX®
C	SPECIAL

-LED

-2016	2016/182/5 (5mm)
-2835R	2835R/120/8 (8mm)
-2835R0	2835R0/84/8 (8mm)
-3528H	3528H/90/5 (5mm)
-2835L	2835L/120/4 (4mm)
-2835H	2835H/180/4 (4mm)
-2735	2735/84/6 (6mm)

ARRANGEMENT (OPTIONAL)

Select all that apply and write in relative order.
Omit any of the below if N/A.

-M	MAGNETIC MOUNTING (OMIT IF N/A)
-N	NO END CAPS

HOW TO ORDER: LUXLINEAR MOUNTING CLIPS

EXAMPLE

ZTC-LT/CT	ZTC	-LT/CT
	PRODUCT LINE	PROFILE
	CLIP	1707

BUILD IT!

PRODUCT LINE

ZTC	LUXLINEAR™ MOUNTING CLIP

PROFILE

T	NORMAL 1715
LT/CT	LOW 1707 OR CORNER 1919
ST	SLIM 1008
RT	ROUND 2019

LUXCLARA™ CHIP-ON-BOARD (COB)

SPARKLING CLARITY & CONTINUITY

Blend the best of our LUXLINE and LUXNEON lines and we end up with the innovative LUXCLARA™ Chip-on-Board LED lighting. Featuring hotspot-free, continuous lighting, LUXCLARA's advanced manufacturing technology provides direct bonding of the LED chip onto the flexible PCB board. As a result, COB offers a more condensed design leading to reduction in the LED chip size, allowing the LED chips to be closely packed together. Available in various diffuser lens options and profiles.

AVAILABLE PROFILES

CLASSIC **WHITE**

PREMIUM **WHITE**

RGB **COLOR**

TUNABLE WHITE **ADJUSTABLE**

QUALITY

c UL us LISTED
E477011

Quality approved
100% QC

5 YEAR
MANUFACTURER'S WARRANTY

UNIVERSAL APPLICATIONS

- Under Cabinet Lighting
- Retail Store Fixtures
- Showroom Lighting
- Accent Lighting
- Cabinetry & Millwork
- Backlighting
- Retail & POP Display
- Showcase Lighting
- Bookcase Lighting
- Cove Lighting

KEY FEATURES

EVEN ILLUMINATION

SEAMLESS CONTINUOUS ILLUMINATION

HIGH DENSITY ILLUMINATION

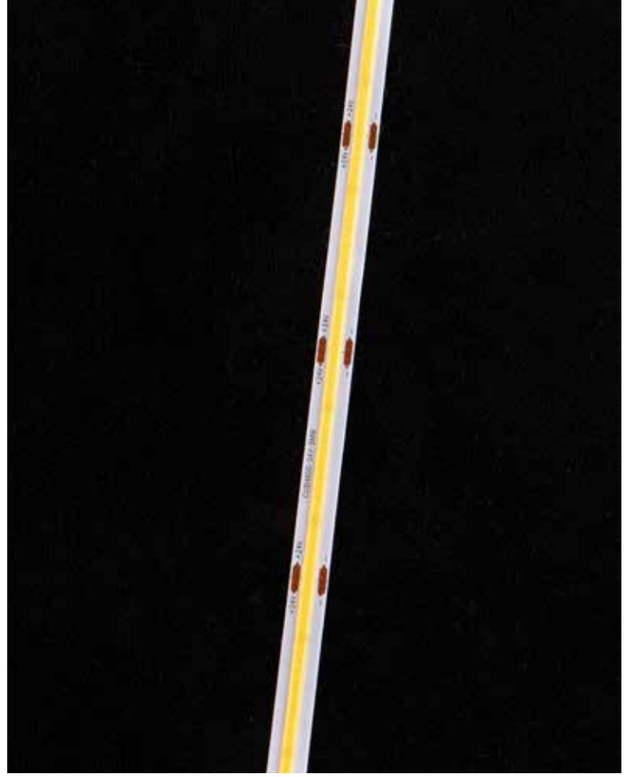
DIMMABLE

180°
WIDE BEAM ANGLE

COST-EFFECTIVE

FLEXIBLE DESIGN

LUXCLARA™ CLASSIC



LIGHTING

LED Count 97 pc/ft (320 pc/m)
Strip Width 0.31" (8mm)

INSTALLATION

Field Cuttable 1.97" (50mm)
Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

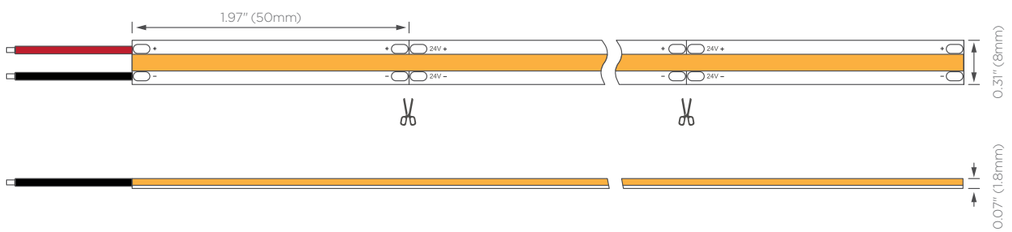
Input Voltage 24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

COMPATIBLE CONTROL

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

LED STRIP CUTTING DIAGRAM



UNIQUE FEATURES

CRI 90+
OPTIMAL COLOR RENDERING

CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER	CRI
3000K Warm White	80 lm/W	180°	243.9 lm/ft 800 lm/m	3 W/ft 10 W/m	90+
4100K Neutral White	90 lm/W	180°	274.4 lm/ft 900 lm/m	3 W/ft 10 W/m	90+
5300K Daylight	90 lm/W	180°	274.4 lm/ft 900 lm/m	3 W/ft 10 W/m	90+
6500K Cool White	95 lm/W	180°	289.6 lm/ft 950 lm/m	3 W/ft 10 W/m	90+

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXCLARA™ PREMIUM

LIGHTING

LED Count 146 pc/ft (480 pc/m)
Strip Width 0.31" (8mm)

INSTALLATION

Field Cuttable

- *12V* 0.98" (25mm)
- *24V* 1.97" (50mm)

Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

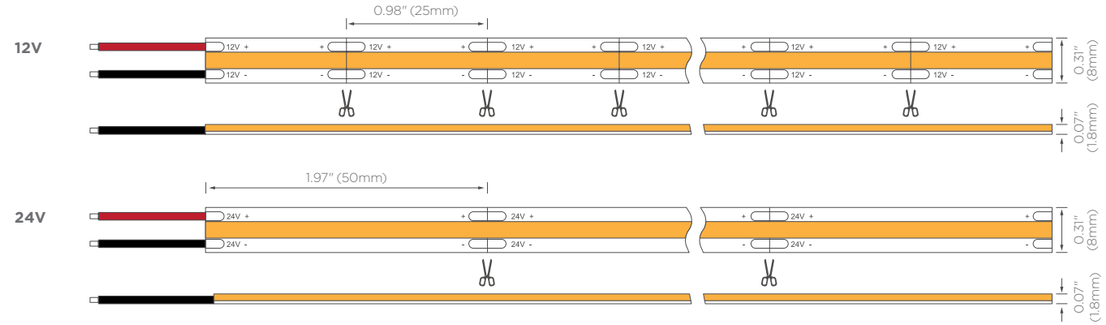
Input Voltage 12/24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

COMPATIBLE CONTROL

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

LED STRIP CUTTING DIAGRAM



UNIQUE FEATURES

CRI 90+
OPTIMAL COLOR RENDERING

HIGH-DENSITY ILLUMINATION FOR SHALLOW MOUNTING

CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER	CRI
3000K Warm White	85 lm/W	180°	259.1 lm/ft 850 lm/m	3 W/ft 10 W/m	90+
4100K Neutral White	95 lm/W	180°	289.6 lm/ft 950 lm/m	3 W/ft 10 W/m	90+
5300K Daylight	95 lm/W	180°	289.6 lm/ft 950 lm/m	3 W/ft 10 W/m	90+
6500K Cool White	100 lm/W	180°	304.9 lm/ft 1000 lm/m	3 W/ft 10 W/m	90+

LUXCLARA™ RGB

LIGHTING

LED Count 256 pc/ft (840 pc/m)
Strip Width 0.39" (10mm)

INSTALLATION

Field Cuttable 1.97" (50mm)
Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

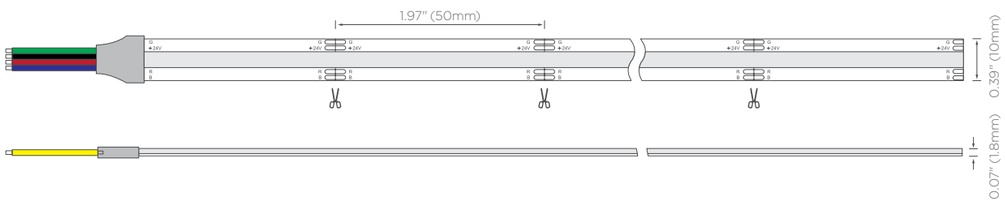
Input Voltage 24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

COMPATIBLE CONTROL

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

LED STRIP CUTTING DIAGRAM



UNIQUE FEATURES

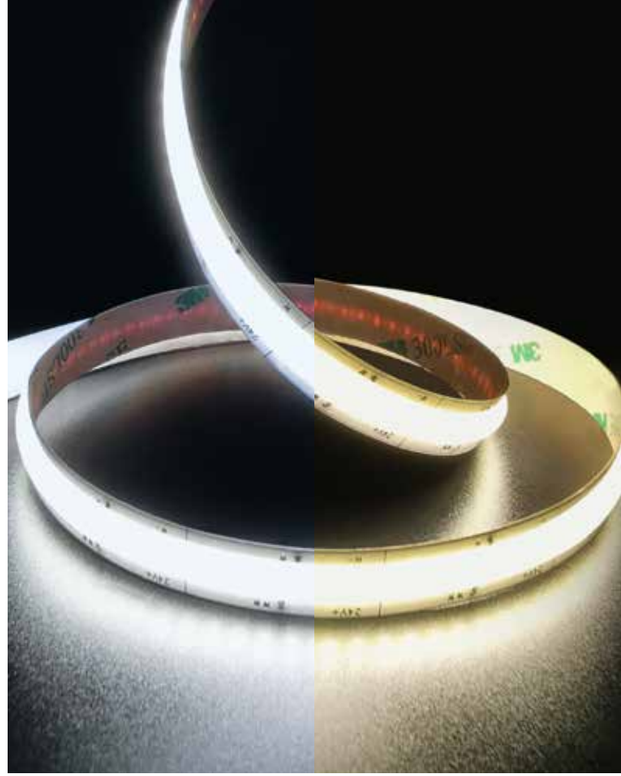
RGB

COMPATIBLE WITH RGB CONTROL

CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
Red 625nm	13 lm/W	180°	20.1 lm/ft 66 lm/m	1.5 W/ft 5 W/m
Green 525nm	113 lm/W	180°	162.2 lm/ft 532 lm/m	1.5 W/ft 5 W/m
Blue 465nm	17 lm/W	180°	23.8 lm/ft 78 lm/m	1.5 W/ft 5 W/m
RGB Combined	40 lm/W	180°	175.6 lm/ft 576 lm/m	4.4 W/ft 14.4 W/m

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXCLARA™ TUNABLE WHITE



LIGHTING

LED Count 97 pc/ft (320 pc/m)
Strip Width 0.31" (8mm)

INSTALLATION

Field Cuttable 1.97" (50mm)
Standard Mounting 3M Adhesive Tape
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

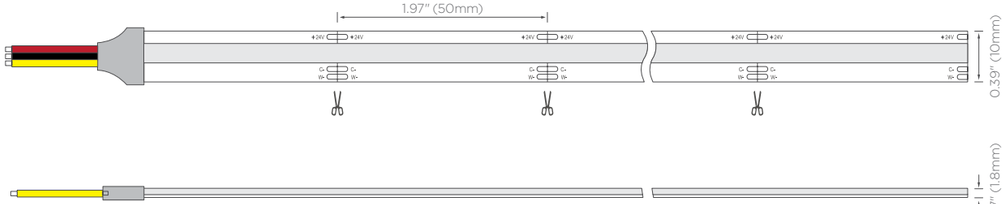
Input Voltage 24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

COMPATIBLE CONTROL

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

LED STRIP CUTTING DIAGRAM



UNIQUE FEATURES

TUNABLE WHITE

COMPATIBLE WITH TUNABLE WHITE CONTROL

CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER	CRI
2700K Warm Glow	64 lm/W	180°	216.5 lm/ft 710 lm/m	3 W/ft 10 W/m	90+
6500K Cool White	88 lm/W	180°	306.4 lm/ft 1005 lm/m	3 W/ft 10 W/m	90+
4000K Neutral White	73 lm/W	180°	520.1 lm/ft 1706 lm/m	6.1 W/ft 20 W/m	90+

HOW TO ORDER: LUXCLARA CHIP-ON-BOARD (COB)

	LUXCLARA™	12"	ADJUSTABLE WHITE	DIFFUSED	HARDWIRE	TUNABLE WHITE 640 LEDS/M
EXAMPLE	Y	12	A	A	H	-640
Y12AAH-640						
	PRODUCT LINE	LENGTH	COLOR	DIFFUSED	POWER CONNECTION	LED DENSITY
BUILD IT!						

PRODUCT LINE

Y	LUXCLARA™

LENGTH (IN INCHES)

LL	LENGTH (VARIES)

COLOR (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
T	TRICOLOR
A	ADJUSTABLE WHITE (2700K-6500K)
C	CUSTOM COLOR

DIFFUSED

A	DIFFUSED

POWER CONNECTION TYPE

P	PIN CONNECTOR
M	MOLEX
H	HARDWIRE
C	SPECIAL

LED DENSITY

-320	320 LEDs/m (CLASSIC)
-480	480 LEDs/m (HIGH DENSITY)
-840	840 LEDs/m (RGB)
-640	640 LEDs/m (TUNABLE WHITE)

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

HARD ROCK CAFE
EXTERIOR SIGNAGE
LUXNEON™ FLEXIBLE NEON LIGHT

LUXNEON™ FLEXIBLE NEON LIGHTS

DOT-FREE, NEON-LIKE ILLUMINATION

Designed for today's modern architectural and signage applications, LUXNEON™ looks like neon but is as easy to install as any linear lighting. With LUXNEON you can bend and flex these beautiful neon tubes and contour them to any decorative architectural application. LUXNEON contours to fit to your desired application and is easy to use with a simple plug. Available in side bending and top bending profiles, the LUXNEON collection provides added flexibility and linear lighting options to the modern designer.

AVAILABLE COLORS

SIDE BEND
CLASSIC

SIDE BEND
RGB

SIDE BEND
SLIM 0612

TOP BEND
MINI TAPE 0603

TOP BEND
LOW 1005

QUALITY

E477011

100% QC

MANUFACTURER'S WARRANTY

DIVERSE APPLICATIONS

- Architectural Lighting
- Cove Lighting
- Contour Illumination
- Channel Letters
- Advertising Signage
- ...And Many More!

KEY FEATURES

HOTSPOT-FREE , NEON-LIKE ILLUMINATION

EASY TO INSTALL

V-2 FLAME RETARDANT (UL94)

CUTTABLE

UV SAFE

CUSTOM COLOR TEMPS

DIMMABLE

PLUG & PLAY

SLIM

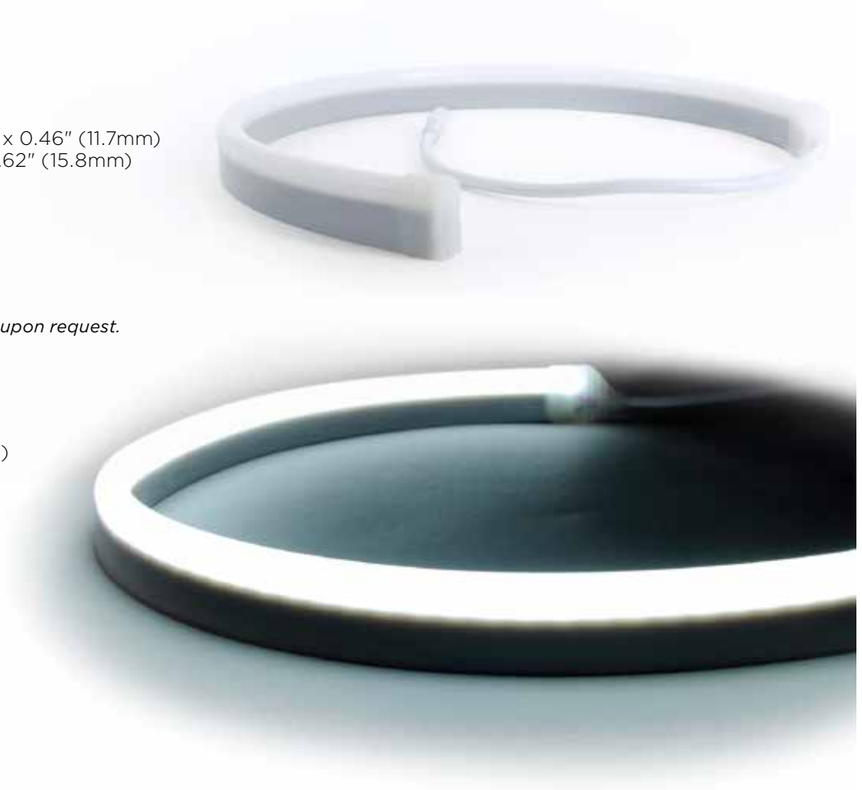
OUTSTANDING BRIGHTNESS

LM-80

LONG LED LIFESPAN

LUXNEON™

CLASSIC SIDE BEND



PARAMETERS

LED Count 33 pc/ft (112 pc/m)
Roll Length 13 ft 1-7/16" (4m)
Tube Cross-Section 0.96" (24.5mm) x 0.46" (11.7mm)
Tube w/End Cap 1.05" (26.6mm) x 0.62" (15.8mm)

INSTALLATION

Field Cuttable 2" (51mm)
Flat Bend 1" (25mm)
Mounting Mounting clips
Environment Indoor/Outdoor*

**EXTERIOR applications (IP67) available upon request.*

LIGHT SOURCE

Lamp Life 60,000+ hours
Dimming

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

POWER SUPPLY

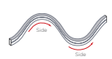
Input Voltage 24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

UNIQUE FEATURES

WIDE BEAM ANGLE

IP67 DUST & TEMPORARY IMMERSION SAFE



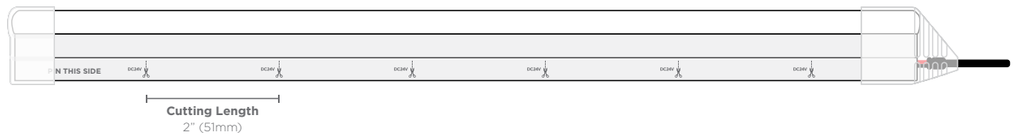
BEND & FLEX SIDEWAYS

PLUG & PLAY

CONSISTENT LIGHT COLOR

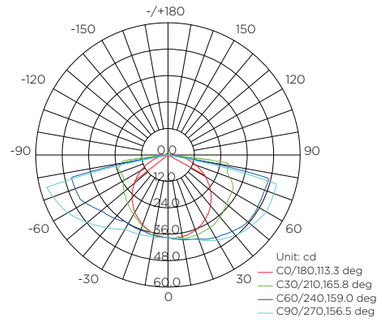
	CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
	3000K Warm White	103.1 lm/W	150°	216.6 lm/ft 710.6 lm/m	2.1 W/ft 6.9 W/m
	4100K Neutral White	103.1 lm/W	150°	216.6 lm/ft 710.6 lm/m	2.1 W/ft 6.9 W/m
	5300K Daylight	103.1 lm/W	150°	216.6 lm/ft 710.6 lm/m	2.1 W/ft 6.9 W/m
	6500K Cool White	103.1 lm/W	150°	216.6 lm/ft 710.6 lm/m	2.1 W/ft 6.9 W/m
	Red 625nm	44.5 lm/W	150°	104.2 lm/ft 341.8 lm/m	2.1 W/ft 6.9 W/m
	Yellow 588nm	47.1 lm/W	150°	110.5 lm/ft 362.3 lm/m	2.1 W/ft 6.9 W/m
	Green 525nm	34 lm/W	150°	80 lm/ft 262.4 lm/m	2.1 W/ft 6.9 W/m
	Blue 465nm	15 lm/W	150°	35.1 lm/ft 115.2 lm/m	2.1 W/ft 6.9 W/m

TUBE CUTTING DIAGRAM



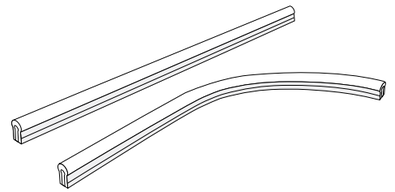
LED TYPE	OPERATING VOLTAGE	FLAT BEND minimum	DIMENSIONS tube cross-section	CUTTING LENGTH	# LEDS per cut section
NEON TUBE	24V	1" (25mm)	0.96" x 0.47" (24.5mm x 11.9mm)	2" (51mm)	6

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE (50%): 148.7 deg

LATERAL BENDING



AVAILABLE COLORS

WARM **3000K**

NEUTRAL **4100K**

DAYLIGHT **5300K**

COOL **6500K**

YELLOW

RED

BLUE

GREEN

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXNEON™

RGB SIDE BEND

PARAMETERS

LED Count 36 pc/ft (118 pc/m)
Roll Length 32 ft 13/16" (10m), or built to order
Tube Cross-Section 0.67" (17mm) x 0.39" (10mm)
Tube w/End Cap 0.75" (19mm) x 0.47" (12mm)

INSTALLATION

Field Cuttable 2.28" (58mm)
Flat Bend 1.18" (30mm)
Bend Type Lateral flat bend
Mounting Mounting clips
Environment Indoor/Outdoor, rated IP67

LIGHT SOURCE

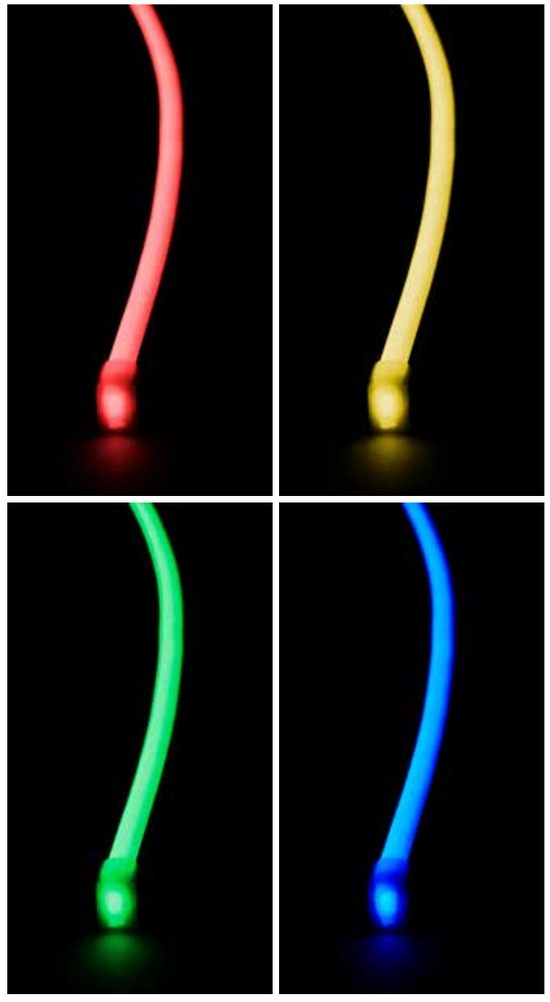
Lamp Life 60,000+ hours
Dimming

- Pulse-width modulation (PWM)
- DMX/DALI
- Radio frequency (RF) remote control

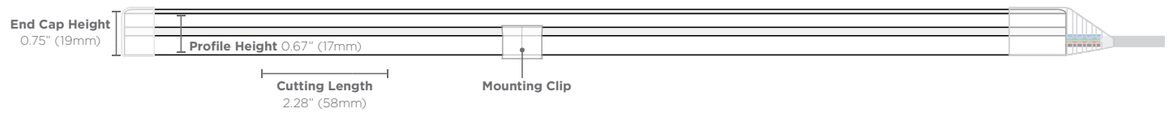
POWER SUPPLY

Input Voltage 24VDC
Connector Type

- Molex®
- Hardwire
- 4-pin

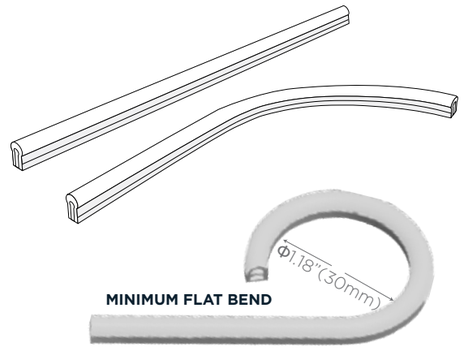


TUBE CUTTING DIAGRAM



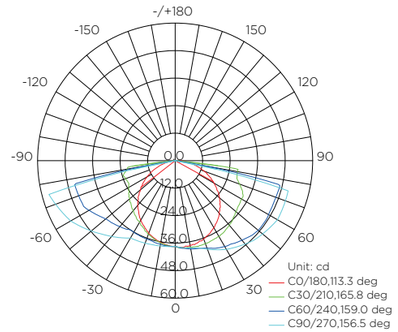
LED TYPE	OPERATING VOLTAGE	FLAT BEND minimum	DIMENSIONS tube cross-section	CUTTING LENGTH	# LEDS per cut section
RGB NEON TUBE	24V	1.18" 30mm	0.67" x 0.39" 17mm x 10mm	2.28" 58mm	6

LATERAL BENDING



MINIMUM FLAT BEND

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE (50%): 148.7 deg

UNIQUE FEATURES

	CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
	Red 617nm	12.79 lm/W	120°	17.9 lm/ft 58.8 lm/m	5.3 W/ft 17.3 W/m
	Green 515nm	21.11 lm/W	120°	35.3 lm/ft 115.9 lm/m	5.3 W/ft 17.3 W/m
	Blue 462nm	4.04 lm/W	120°	6.9 lm/ft 22.5 lm/m	5.3 W/ft 17.3 W/m
RGB	RGB	11.41 lm/W	120°	60.1 lm/ft 197.2 lm/m	5.3 W/ft 17.3 W/m

LUXNEON™

SLIM 0612 SIDE BEND

PARAMETERS

LED Count 72 pc/ft (240 pc/m)
Roll Length 16 ft 3/8" (5m)
Tube Cross-Section 0.47" (12mm) x 0.24" (6mm)
Closing End Cap 0.55" (14mm) x 0.51" (13mm)

INSTALLATION

Field Cuttable 1.18" (30mm)
Mounting Mounting clips
Environment Indoor/Outdoor
IP Rating IP67

LIGHT SOURCE

Lamp Life 60,000+ hours
Dimming

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

POWER SUPPLY

Input Voltage 12V & 24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

UNIQUE FEATURES

WIDE BEAM ANGLE

IP67 DUST & TEMPORARY IMMERSION SAFE

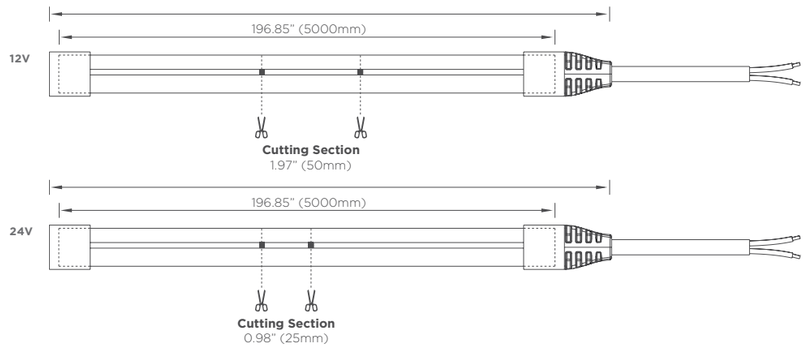
BEND & FLEX SIDEWAYS

PLUG & PLAY

CONSISTENT LIGHT COLOR

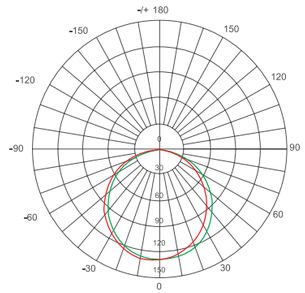
	CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
	2700K Very Warm White	34 lm/W	113°	75 lm/ft 245 lm/m	3.66 W/ft 12 W/m
	3000K Warm White	36 lm/W	113°	79 lm/ft 259 lm/m	3.66 W/ft 12 W/m
	4100K Neutral White	38 lm/W	113°	83 lm/ft 274 lm/m	3.66 W/ft 12 W/m
	5300K Daylight	42 lm/W	113°	92 lm/ft 302 lm/m	3.66 W/ft 12 W/m
	6500K Cool White	44 lm/W	113°	97 lm/ft 317 lm/m	3.66 W/ft 12 W/m

TUBE CUTTING DIAGRAM



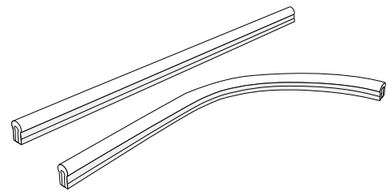
LED TYPE	OPERATING VOLTAGE	BENDING DIAMETER minimum	DIMENSIONS tube cross-section	CUTTING LENGTH	# LEDS per cut section
NEON TUBE	12V	1.18" (30mm)	0.47" x 0.24" (12mm x 6mm)	0.98" (25mm)	3
NEON TUBE	24V	1.18" (30mm)	0.47" x 0.24" (12mm x 6mm)	1.97" (50mm)	6

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Unit: cd
C 0 /180,113.5°
AVERAGE BEAM ANGLE (50%): 113.3°
C 90/270,113.1°

LATERAL BENDING



BENDING DIAMETER

AVAILABLE COLORS

WARM **3000K**

NEUTRAL **4100K**

DAYLIGHT **5300K**

COOL **6500K**

LUXNEON™

MINI TAPE 0603 TOP BEND

PARAMETERS

LED Count 98 pc/ft (336 pc/m)
Roll Length 16 ft 3/8" (5m)
Tube Cross-Section 0.12" (3mm) x 0.24" (6mm)
Closing End Cap 0.32" (8mm) x 0.41" (10.5mm)

INSTALLATION

Field Cuttable 0.82" (20.83mm)
Mounting Adhesive Backing
Environment Indoor/Outdoor
IP Rating IP54

LIGHT SOURCE

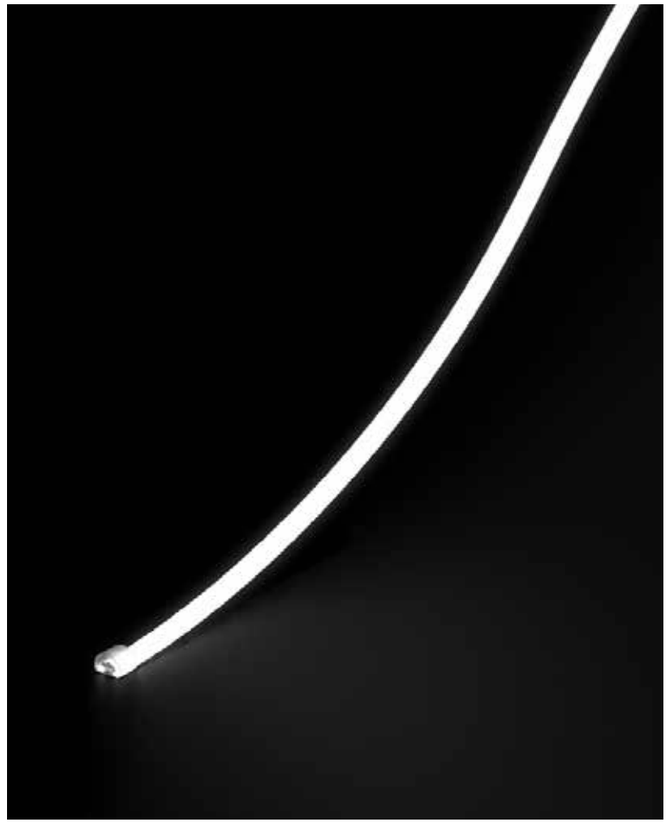
Lamp Life 50,000+ hours
Dimming

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

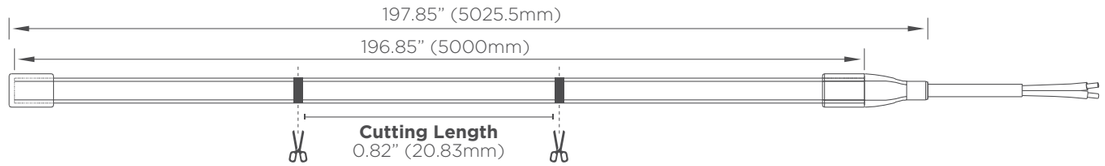
POWER SUPPLY

Input Voltage 24VDC
Connector Type

- DC Barrel Jack
- Hardwire

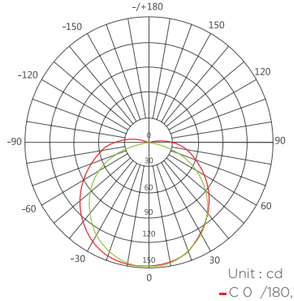


TUBE CUTTING DIAGRAM



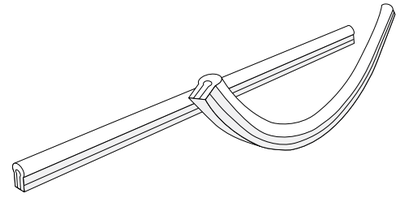
LED TYPE	OPERATING VOLTAGE	BENDING DIAMETER minimum	DIMENSIONS tube cross-section	CUTTING LENGTH	# LEDS per cut section
NEON TUBE	24V	2.32" (60mm)	0.12" x 0.24" (3mm x 6mm)	0.82" (20.83mm)	7

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Unit : cd
C 0 /180,131.7°
C 90/270,114.6°
AVERAGE BEAM ANGLE (50%): 123.1°

TOP (CONVEX) BEND



UNIQUE FEATURES

WIDE BEAM ANGLE

IP54 RATED

FLEXIBLE CONVEX "U" BEND

PLUG & PLAY

CONSISTENT LIGHT COLOR

CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
2700K Very Warm White	68 lm/W	120°	155.6 lm/ft 510.4 lm/m	2.29 W/ft 7.5 W/m
3000K Warm White	72.9 lm/W	120°	166.6 lm/ft 546.6 lm/m	2.29 W/ft 7.5 W/m
4100K Neutral White	73.2 lm/W	120°	166.6 lm/ft 551.8 lm/m	2.29 W/ft 7.5 W/m
5300K Daylight	81.6 lm/W	120°	188.4 lm/ft 617.9 lm/m	2.30 W/ft 7.6 W/m
6500K Cool White	79.5 lm/W	120°	185.7 lm/ft 609.0 lm/m	2.33 W/ft 7.7 W/m

AVAILABLE COLORS

WARM **3000K**

NEUTRAL **4100K**

DAYLIGHT **5300K**

COOL **6500K**

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXNEON™

LOW 1005 TOP BEND

PARAMETERS

LED Count 98 pc/ft (336 pc/m)
Roll Length 16 ft 3/8" (5m)
Tube Cross-Section 0.18" (4.8mm) x 0.39" (10.0mm)
Closing End Cap 0.32" (8mm) x 0.41" (10.5mm)

INSTALLATION

Field Cuttable 0.82" (20.83mm)
Mounting Adhesive Backing
Environment Indoor/Outdoor
IP Rating IP54

LIGHT SOURCE

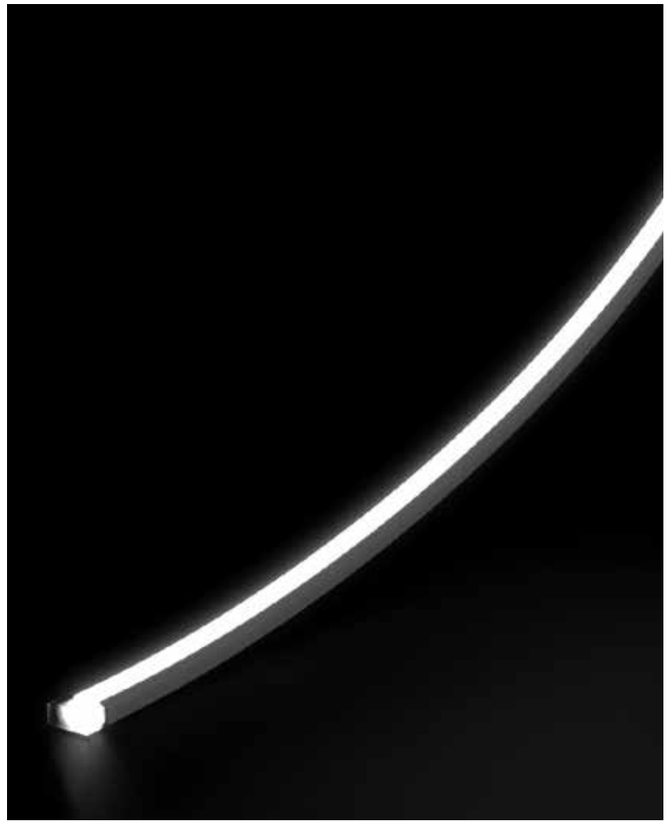
Lamp Life 50,000+ hours
Dimming

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)

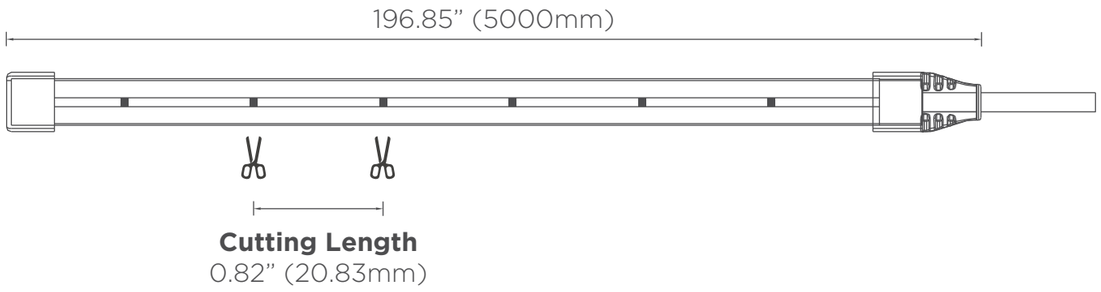
POWER SUPPLY

Input Voltage 24VDC
Connector Type

- O Molex®
- O DC Barrel Jack
- O Hardwire

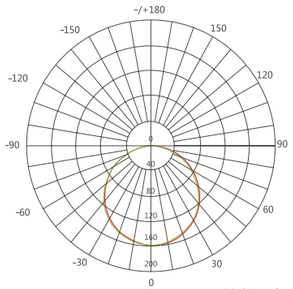


TUBE CUTTING DIAGRAM



LED TYPE	OPERATING VOLTAGE	BENDING DIAMETER minimum	DIMENSIONS tube cross-section	CUTTING LENGTH	# LEDS per cut section
NEON TUBE	24V	2.36" (60mm)	0.18" x 0.39" (4.8mm x 10mm)	0.82" (20.83mm)	7

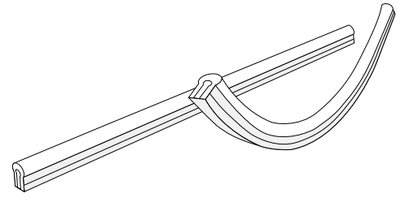
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



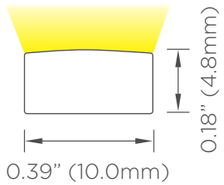
Unit : cd
C 0 /180,114.1°
C 90/270,113.6°

AVERAGE BEAM ANGLE (50%): 113.9°

TOP (CONVEX) BEND



SECTIONAL VIEW



UNIQUE FEATURES

WIDE BEAM ANGLE

IP67 RATED DUST & TEMPORARY IMMERSION SAFE

FLEXIBLE CONVEX "U" BEND

PLUG & PLAY

CONSISTENT LIGHT COLOR

	CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
	2700K Very Warm White	60 lm/W	113°	132 lm/ft 432 lm/m	2.20 W/ft 7.2 W/m
	3000K Warm White	62 lm/W	113°	136 lm/ft 446 lm/m	2.20 W/ft 7.2 W/m
	4100K Neutral White	65 lm/W	113°	143 lm/ft 468 lm/m	2.20 W/ft 7.2 W/m
	5300K Daylight	72 lm/W	113°	158 lm/ft 518 lm/m	2.20 W/ft 7.2 W/m
	6500K Cool White	75 lm/W	113°	165 lm/ft 540 lm/m	2.20 W/ft 7.2 W/m

AVAILABLE COLORS

WARM **3000K**

NEUTRAL **4100K**

DAYLIGHT **5300K**

COOL **6500K**

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

HOW TO ORDER: LUXNEON

EXAMPLE

NSS24ZAB	NSS	24	Z	A	B
	LUXNEON™	24"	5300K	FROSTED SILICONE	DC BARREL
	PRODUCT LINE	LENGTH	COLOR	DIFFUSED OPTION	CONNECTOR

BUILD IT!

	PRODUCT LINE	LENGTH	COLOR	DIFFUSED OPTION	CONNECTOR

PRODUCT LINE

NSS	LUXNEON SILICONE "S" FLEX
NSS	LUXNEON RGB SIDE BENDING
NSSS	LUXNEON SLIM PROFILE 0612 SIDE BENDING
NSSMT	LUXNEON MINI PROFILE 0603 TOP BENDING
NSLT	LUXNEON LOW PROFILE 1005 TOP BENDING

LENGTH (IN INCHES)

LL	LENGTH (VARIES)

COLOR

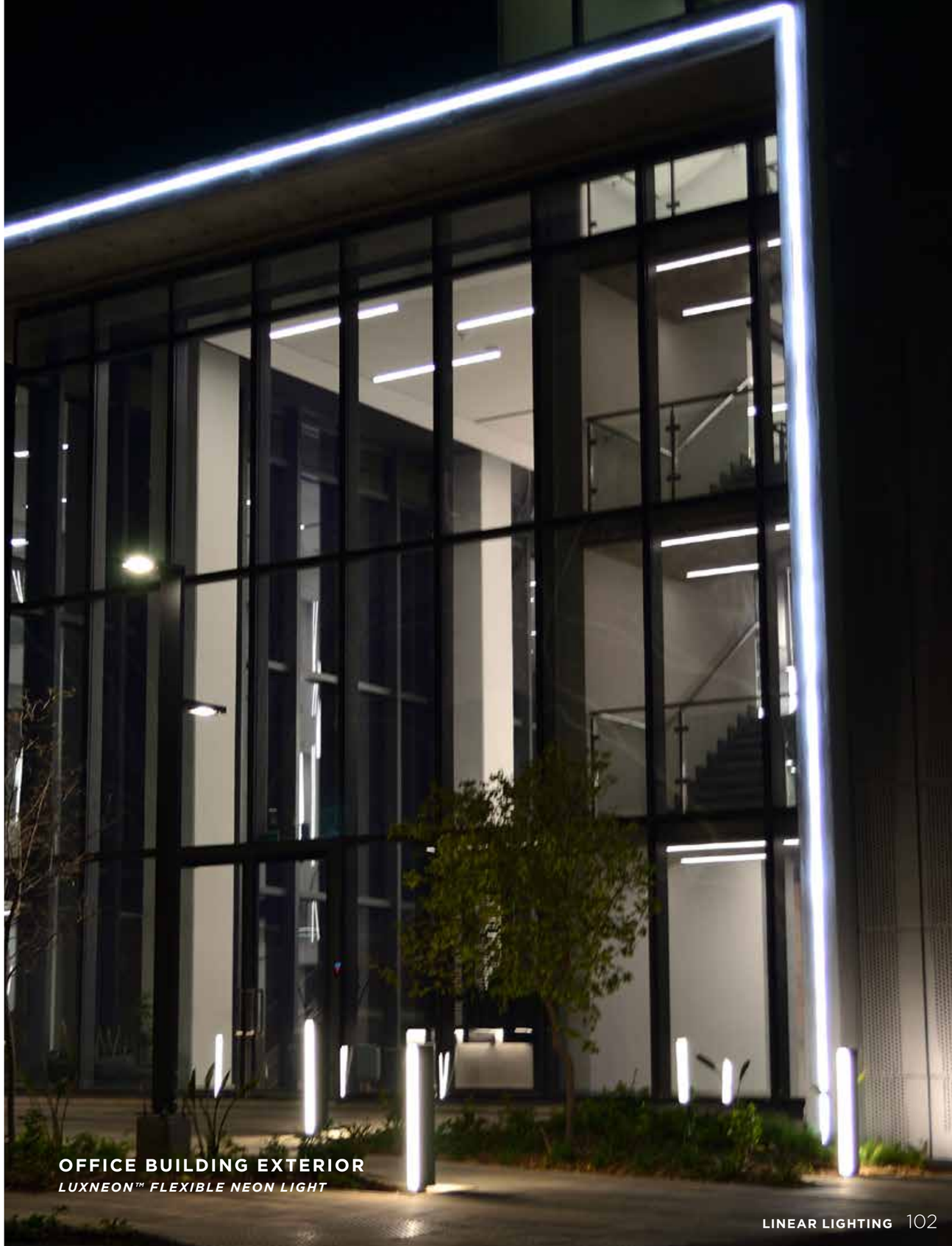
W	6500K
V	5300K
Y	4100K
Z	3000K
R	RED
S	YELLOW
G	GREEN
B	BLUE
T	TRICOLOR

DIFFUSED OPTION

A	FROSTED SILICONE

CONNECTOR

B	DC BARREL JACK
H	HARDWIRE
M	MOLEX®
P	4-PIN
C	SPECIAL



OFFICE BUILDING EXTERIOR
LUXNEON™ FLEXIBLE NEON LIGHT

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

CONCENTRIC LUMINANCE
PERIMETER MALL | ATLANTA, GA
FABRIC LIGHT BOX (PROFILE 120)

2017 HONORABLE MENTION
LIGHTING DESIGN AWARDS
darc awards /ARCHITECTURAL
2017 LIGHT ART NOMINEE

LUMINOUS CEILINGS, FEATURE WALLS & LIGHT BOXES

Whether your goal is to create an illuminated ceiling or feature wall for an architectural space or add a promotional light box to the retail environment, the solutions in this next category are designed to light up broad spaces or draw attention to a promotional campaign.

LUXCANVAS LUMINOUS CEILINGS & WALLS **105**
LUXCANVAS CUSTOM 107
FLOAT SERIES 109

LUXARTUS LIGHT BOXES **113**
PROFILE C 115
PROFILE E 117

FABRIC LIGHT BOXES **121**
PROFILE 45 125
PROFILE 100 126
PROFILE 120 127
PROFILE 200 128
ACCESSORY DISPLAY SOLUTIONS 129

LUXDAZZLE DYNAMIC LIGHTING **135**
LUXDAZZLE RGB 136

PRINTED LUMINOUS WALL DISPLAY
SPECIFIED LIGHTING SYSTEMS | CARMEL, IN
LUXCANVAS™

LUXCANVAS™ LUMINOUS CEILINGS & WALLS

MAKE A DESIGN STATEMENT

Recreate the effect of natural daylight with our edgeless LUXCANVAS™ LED Illuminated Textile Lighting System. LUXCANVAS is a multifunctional, all-inclusive luminous textile system that will transform the walls and ceilings of your environment into artistic illuminated masterpieces. Boasting a clean, frameless look, this beautiful low-profile lighting fixture is designed to seamlessly integrate into any architectural space as a recessed, surface, or suspended lighting solution.

AVAILABLE OPTIONS

CUSTOM

STANDARD

LUXCANVAS
LUXCANVAS FLOAT SERIES

POPULAR FRAME COLORS

Sith Black | Black Hole | Milky Way White | Moon Gray | Crater Gray | Mars Red | Mercury Blue

QUALITY

- E351307
- 100% QC
- MADE IN USA
- MANUFACTURER'S WARRANTY

UNIVERSAL APPLICATIONS

- Luminous Ceilings & Walls
- Retail Environments
- Airports
- Museums
- Showrooms
- Corporate Offices
- Trade Show Exhibitions

KEY FEATURES

- QUICK FABRICS CHANGES
- FRAMELESS DESIGN
- OUTSTANDING BRIGHTNESS
- EVEN LIGHTING NO DARK SPOTS
- CUSTOM SIZES
- ILLUMINATED CEILINGS
- ILLUMINATED WALLS
- PLUG & PLAY

LIGHT ENGINE OPTIONS

- LUXFLEX STANDARD/ PREMIUM STATIC WHITE
- LUXFLEX RGB+W CONTROLLABLE COLOR
- LUXFLEX TUNABLE WHITE 2400K-6500K

LUXCANVAS **CUSTOM**

LUMINOUS TEXTILE

FRAME

Depth 1.77" (45mm)
Dimensions

- Min. ≥ 18" x 18" (457mm x 457mm)
- Max. ≤ 120" (3048mm width x any length)

Standard Finish Silver anodized aluminum
Custom Finish Powder coating available

INSTALLATION

Mounting

- Surface mount
- Recessed
- Suspended

Environment

- Indoor/dry location (standard)
- Outdoor/damp location available upon request

POWER SUPPLY

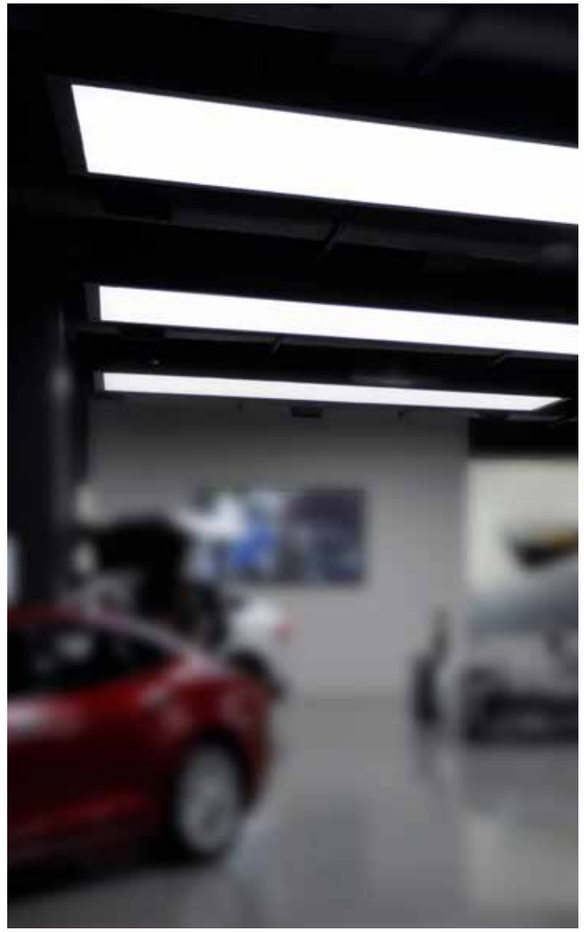
Input Voltage 24VDC

DIMMING OPTIONS (STATIC WHITE ONLY)

- DMX control
- Pulse-width modulation (PWM)

COMPATIBLE CONTROL (RGBW & TUNABLE WHITE ONLY)

- DMX control
- Pulse-width modulation (PWM)



UNIQUE COLOR TEMPERATURE OPTIONS

APPLICATION	SURFACE MOUNT	RECESSED	SUSPENDED
CEILING	X	X	X
WALL	X	X	

PHOTOMETRIC DATA TABLE FOR 2'X2' LUXCANVAS

LUMINAIRE	COLOR TEMPERATURE (CCT)	LUMINOUS FLUX LM/FT²	LUMINOUS FLUX LM/M²	EFFICACY LM/W	POWER W/FT²	POWER W/M²	MAX LOAD sheet: 12"x24"	WEIGHT LBS/FT²	WEIGHT KG/M²
STATIC WHITE									
LUXFLEX STANDARD LOW POWER (2.25W)	2700K	143.90	1548.12	63.95	2.25	24.21	15 Sheets	6.12	2.77
	3000K	149.89	1612.62	66.62	2.25	24.21	15 Sheets	6.12	2.77
	4100K	155.89	1677.12	69.28	2.25	24.21	15 Sheets	6.12	2.77
	5300K	161.89	1741.63	71.95	2.25	24.21	15 Sheets	6.12	2.77
	6500K	167.88	1806.14	74.61	2.25	24.21	15 Sheets	6.12	2.77
LUXFLEX STANDARD MEDIUM POWER (4.5W)	2700K	288.48	3103.60	64.11	4.5	48.41	7 Sheets	6.12	2.77
	3000K	300.50	3232.93	66.78	4.5	48.41	7 Sheets	6.12	2.77
	4100K	312.52	3362.23	69.45	4.5	48.41	7 Sheets	6.12	2.77
	5300K	324.54	3491.55	72.12	4.5	48.41	7 Sheets	6.12	2.77
	6500K	336.56	3620.88	74.79	4.5	48.41	7 Sheets	6.12	2.77
LUXFLEX STANDARD HIGH POWER (7.13W)	2700k	456.82	4914.65	64.07	7.13	76.67	5 sheets	6.12	2.77
	3000K	475.86	5119.44	66.74	7.13	76.67	5 sheets	6.12	2.77
	4100K	494.89	5324.20	69.41	7.13	76.67	5 sheets	6.12	2.77
	5300K	513.92	5528.98	72.08	7.13	76.67	5 sheets	6.12	2.77
	6500K	532.96	5733.77	74.75	7.13	76.67	5 sheets	6.12	2.77
LUXFLEX Premium	2700K	626.13	6736	64.21	9.75	104.89	3.5 sheets	6.13	2.78
	3000K	638.65	6870	65.50	9.75	104.89	3.5 sheets	6.13	2.78
	4100K	651.18	7005	66.78	9.75	104.89	3.5 sheets	6.13	2.78
	5300K	676.22	7274	69.35	9.75	104.89	3.5 sheets	6.13	2.78
	6500K	701.26	7544	71.92	9.75	104.89	3.5 sheets	6.13	2.78
CONTROLLABLE COLOR & ADJUSTABLE WHITE									
LUXFLEX RGBW	Red	43.20	464	13.33	3.24	34.86	3 sheets	6.13	2.78
	Green	136.08	1464	42.00	3.24	34.86	3 sheets	6.13	2.78
	Blue	28.80	309	8.88	3.24	34.86	3 sheets	6.13	2.78
	2700k	146.88	1580	45.33	3.24	34.86	3 sheets	6.13	2.78
	3000K	153.00	1646	47.22	3.24	34.86	3 sheets	6.13	2.78
	4100K	158.63	1706	48.96	3.24	34.86	3 sheets	6.13	2.78
	5300K	164.98	1774	50.91	3.24	34.86	3 sheets	6.13	2.78
	6500K	171.57	1845	52.95	3.24	34.86	3 sheets	6.13	2.78
	RGB - 10000K	880.54	9473	89.85	9.8	105.43	3 sheets	6.13	2.78
	RGBW	1056.22	11363	81.24	13	139.86	3 sheets	6.13	2.78
LUXFLEX TUNABLE WHITE LOW POWER (12W)	6500K	99.5	1070	45.43	2.19	23.56	8 Sheets	6.13	2.78
	2400K	92	990	42.01	2.19	23.56	8 Sheets	6.13	2.78
	4100K	184.1	1981	42.03	4.38	47.12	8 Sheets	6.13	2.78
LUXFLEX TUNABLE WHITE MEDIUM POWER (18W)	6500K	149.25	1606	45.43	3.29	35.34	5 Sheets	6.13	2.78
	2400K	138	1485	42.01	3.29	35.34	5 Sheets	6.13	2.78
	4100K	276.15	2971	42.03	6.57	70.68	5 Sheets	6.13	2.78
LUXFLEX TUNABLE WHITE HIGH POWER (30W)	6500K	248.75	2676	45.43	5.48	58.90	3 Sheets	6.13	2.78
	2400K	230.00	2474	42.01	5.48	58.90	3 Sheets	6.13	2.78
	4100K	460.25	4952	42.03	10.95	117.80	3 Sheets	6.13	2.78

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXCANVAS STANDARD
FLOAT SERIES

FRAME

Depth 1.77" (45mm)
Available Dimensions

- Square
  - **2'x2'** (4 sq. ft.)
  - **4'x4'** (16 sq. ft.)
  - **4'x6'** (24 sq. ft.)
  - **4'x8'** (32 sq. ft.)
  - **6'x6'** (36 sq. ft.)
  - **8'x8'** (64 sq. ft.)
- Round
  - **4'D** (12.6 sq. ft.)
  - **6'D** (28.3 sq. ft.)
  - **8'D** (50.3 sq. ft.)

Standard Finish Silver anodized aluminum
Custom Finish Powder coating available

INSTALLATION

Mounting

- Surface mount
- Recessed
- Suspended

Environment Indoor/dry location

POWER SUPPLY

Input Voltage 24VDC

DIMMING OPTIONS (STATIC WHITE ONLY)

- DMX control
- Pulse-width modulation (PWM)

COMPATIBLE CONTROL (RGBW & TUNABLE WHITE ONLY)

- DMX control
- Pulse-width modulation (PWM)

UNIQUE COLOR TEMPERATURE OPTIONS

STATIC WHITE

RGB+W COLOR MIXING

2400K-6500K COLOR TUNING

APPLICATION	SURFACE MOUNT	RECESSED	SUSPENDED
CEILING	X	X	X
WALL	X	X	

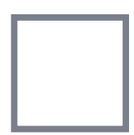
PHOTOMETRIC DATA TABLE FOR 1'X1' LUXCANVAS FLOAT

Use this data table as a multiplier to determine the estimated lumens, efficacy & wattage of your desired shape/size.

LUMINAIRE	COLOR TEMPERATURE (CCT)	LUMINOUS FLUX LM/SQ FT	LUMINOUS FLUX LM/SQ M	EFFICACY LM/W	POWER W/SQ FT	POWER W/SQ M	WEIGHT LBS	WEIGHT KG
LUXFLEX Standard High (19V)	2700K	519.4	5583.53	72.85	7.13	76.67	6.13	2.78
	3000K	541.04	5816.18	75.88	7.13	76.67	6.13	2.78
	3500K	551.86	5932.5	77.4	7.13	76.67	6.13	2.78
	4100K	562.9	6051.15	78.95	7.13	76.67	6.13	2.78
	5300K	585.41	6293.2	82.11	7.13	76.67	6.13	2.78
	6500K	608.83	6544.93	85.39	7.13	76.67	6.13	2.78
LUXFLEX Standard Med (12W)	2700K	328	3526	72.89	4.5	48.38	6.13	2.78
	3000K	341.67	3672.92	75.93	4.5	48.38	6.13	2.78
	3500K	348.5	3746.38	77.44	4.5	48.38	6.13	2.78
	4100K	355.47	3821.3	78.99	4.5	48.38	6.13	2.78
	5300K	369.69	3974.16	82.15	4.5	48.38	6.13	2.78
	6500K	384.48	4133.12	85.44	4.5	48.38	6.13	2.78
LUXFLEX Standard Low (6W)	2700K	163.97	1762.72	72.88	2.25	24.19	6.13	2.78
	3000K	170.81	1836.17	75.91	2.25	24.19	6.13	2.78
	3500K	174.22	1872.89	77.43	2.25	24.19	6.13	2.78
	4100K	177.71	1910.35	78.98	2.25	24.19	6.13	2.78
	5300K	184.82	1986.76	82.14	2.25	24.19	6.13	2.78
	6500K	192.21	2066.23	85.43	2.25	24.19	6.13	2.78
LUXFLEX Premium	2700K	711.58	7649.44	72.98	9.75	104.81	6.13	2.78
	3000K	741.22	7968.17	76.02	9.75	104.81	6.13	2.78
	3500K	756.05	8127.53	77.54	9.75	104.81	6.13	2.78
	4100K	771.17	8290.08	79.09	9.75	104.81	6.13	2.78
	5300K	802.02	8621.68	82.26	9.75	104.81	6.13	2.78
	6500K	834.1	8966.55	85.55	9.75	104.81	6.13	2.78
LUXFLEX Tunable White	2400K	230	2474.8	40.89	5.63	60.52	6.13	2.78
	4100K	460.25	4952.29	40.91	11.3	121.48	6.13	2.78
	6500K	248.75	2676.55	44.22	5.63	60.52	6.13	2.78
LUXFLEX RGB+W	Red	43.2	464.4	14.4	3	32.28	6.13	2.78
	Green	136.08	1462.86	45.36	3	32.28	6.13	2.78
	Blue	28.8	309.6	9.6	3	32.28	6.13	2.78
	2700K	146.88	1578.96	48.96	3	32.28	6.13	2.78
	3000K	153	1644.75	51	3	32.28	6.13	2.78
	3500K	159.12	1710.54	53.04	3	32.28	6.13	2.78
	4100K	165.24	1776.33	55.08	3	32.28	6.13	2.78
	5300K	171.85	1847.39	57.28	3	32.28	6.13	2.78
	6500K	178.72	1921.24	59.57	3	32.28	6.13	2.78
	RGB - 10000K	208.08	2236.86	23.12	9	96.75	6.13	2.78
	RGBW	507.96	5460.57	42.33	12	129	6.13	2.78

AVAILABLE STANDARD SHAPES

RECTANGULAR



SQUARE

CIRCULAR

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

HOW TO ORDER: LUXCANVAS FRAME

EXAMPLE

LUXCANVAS	PROFILE 120	30" X 72"	3000K	LUXFLEX STANDARD	SILVER
F203072WPS	F	20	3072	W	P	S
	PRODUCT LINE/PROFILE	PROFILE	DIMENSIONS LENGTH X WIDTH	COLOR TEMPERATURE (CCT)	LIGHT SOURCE	FRAME COLOR

BUILD IT!

PRODUCT LINE

F	LUXCANVAS

PROFILE

12	PROFILE 120

DIMENSIONS (INCHES)

LLWW	LENGTH X WIDTH (VARIES)

COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
T	TRICOLOR (RGB)
A	ADJUSTABLE (TUNABLE WHITE)*
C	CUSTOM CCT

**If you choose LUXFLEX RGBW as a light source, then please also select your desired white correlated color temperature (CCT).*

LIGHT SOURCE

FS	LUXFLEX™ STANDARD
FB	LUXFLEX™ PREMIUM
FR	LUXFLEX™ RGBW

FRAME COLOR

S	SILVER
K	BLACK
C	CUSTOM COLOR

LUMINOUS CEILING INSTALLATION
PERIMETER MALL | ATLANTA, GA
FABRIC LIGHT BOX (PROFILE 120)

HOW TO ORDER: LUXCANVAS FLOAT

EXAMPLE

LUXCANVAS FLOAT	SQUARE	4' X 6"	TUNABLE WHITE	N/A	AIRCRAFT CABLE	DMX
F12S4872TXAD	F12	S	4872	A	X	H	D
	PRODUCT LINE/PROFILE	SHAPE	NOMINAL SIZE	COLOR	COLOR TEMPERATURE (CCT)	MOUNTING	DIMMING

BUILD IT!

PRODUCT LINE

F12	LUXCANVAS FLOAT TEXTILE LUMINAIRE

SHAPE

S	SQUARE
R	RECTANGLE
O	ROUND

NOMINAL SIZE

4848	4' X 4' SQUARE
4872	4' X 6' RECTANGLE
4896	4' X 8' RECTANGLE
7272	6' X 6' SQUARE
7296	6' X 8' RECTANGLE
9696	8' X 8' RECTANGLE
48	4' ROUND
72	6' ROUND
96	8' ROUND

COLOR

S	STATIC WHITE
A	TUNABLE WHITE
R	RGBW

COLOR TEMPERATURE (CCT)

27	2700K
30	3000K
35	3500K
41	4100K
53	5300K
65	6500K
X	INDICATE N/A NOT APPLICABLE (TUNABLE WHITE ONLY)

MOUNTING

H	AIRCRAFT CABLE (SUSPENDED)
W	WALL MOUNTED
R	RECESSED

DIMMING

M	MLV
0	0-10V
D	DMX

HOW TO ORDER: LUXCANVAS FLOAT

EXAMPLE

FABRIC PRINT	30" X 72"	LUXX PRINT	PRINTED IMAGE
GF3072L	GF	3072	L	-W
	PRODUCT LINE/PROFILE	DIMENSIONS LENGTH X WIDTH	PRINT TYPE	WHITE PRINT

BUILD IT!

OPTIONAL
OMIT IF N/A

PRODUCT LINE

GF	FABRIC PRINT

DIMENSIONS (INCHES)

LLWW	LENGTH X WIDTH (VARIES)

PRINT TYPE

L	ILLUMINATED PRINT
B	BLOCK OUT
D	NON-ILLUMINATED

WHITE PRINT-NO IMAGE (OPTIONAL)

-W	FOR WHITE PRINTS ONLY (OMIT FOR PRINTED FABRICS)

HOTEL ENTERTAINMENT ADVERTISEMENTS
MGM GRAND HOTEL | LAS VEGAS, NV
LUXARTUS™ LED LIGHT BOX (PROFILE E)

LUXARTUS™ LIGHT BOXES

STATE-OF-THE-ART SNAP FRAME

Enliven your next marketing campaign and in-store merchandising display with our sleek LUXARTUS™ LED Light Boxes, powered by LUXFIT™ LED Light Panels. With a consistent brightness measured at 3000 lux, the Classic Series (Profile C), features impeccably even illumination, a vibrant graphic output, and an easy-to-use snap-open aluminum frame for quick graphics changes. For illuminated graphics larger than 30", we offer our Profile E series.

AVAILABLE PROFILES

PROFILE
C

PROFILE
E

POPULAR FRAME COLORS

Sith Black | Black Hole | Milky Way White | Moon Gray | Crater Gray | Mars Red | Mercury Blue

QUALITY

UL LISTED E351307

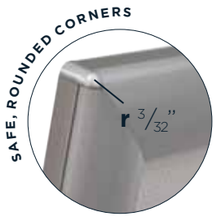
100% QC

MADE IN USA

MANUFACTURER'S WARRANTY

UNIVERSAL APPLICATIONS

- Promotional Graphics
- Retail Displays
- Trade Shows & Exhibits
- Signage
- Quick-Serve Restaurants
- Big Box Retail



KEY FEATURES

QUICK GRAPHICS CHANGES

FRAMELESS DESIGN

OUTSTANDING BRIGHTNESS

EVEN LIGHTING
NO DARK SPOTS

CUSTOM SIZES

CUSTOM FRAME COLORS

DIMMABLE

HANGING

PLUG & PLAY

PROFILE

C

FRAME

Material Anodized aluminum
Snap Open Mechanism On all 4 sides
Depth* 19/32" (15mm)

**Depth is ADA Compliant*

FINISH

Standard Silver
Custom Colors Powder coating available

GRAPHIC

4 Standard Sizes See table
Custom Sizes Max. 60" X 120" (1524mm X 3048mm)

ELECTRICAL

Operating Voltage 12/24V
Dimming

- Pulse width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

MOUNTING

Orientation Portrait or landscape
Hanging Options

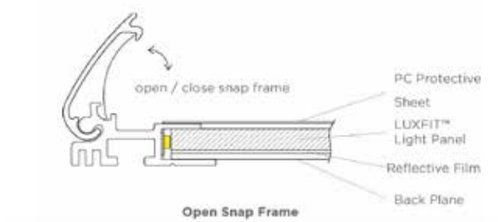
- Front access mounting
- D rings & hanging chain
- Adjustable keyhole mount

UNIQUE APPLICATIONS

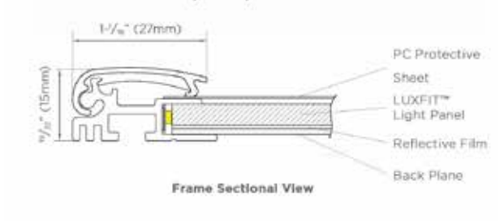
- Front Access Mounting
- Wall Mount
- Hanging

COMPATIBLE LIGHT SOURCE

- LUXFIT™ Classic
- LUXFIT™ RGB

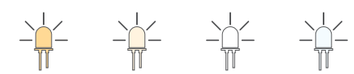


Open Snap Frame

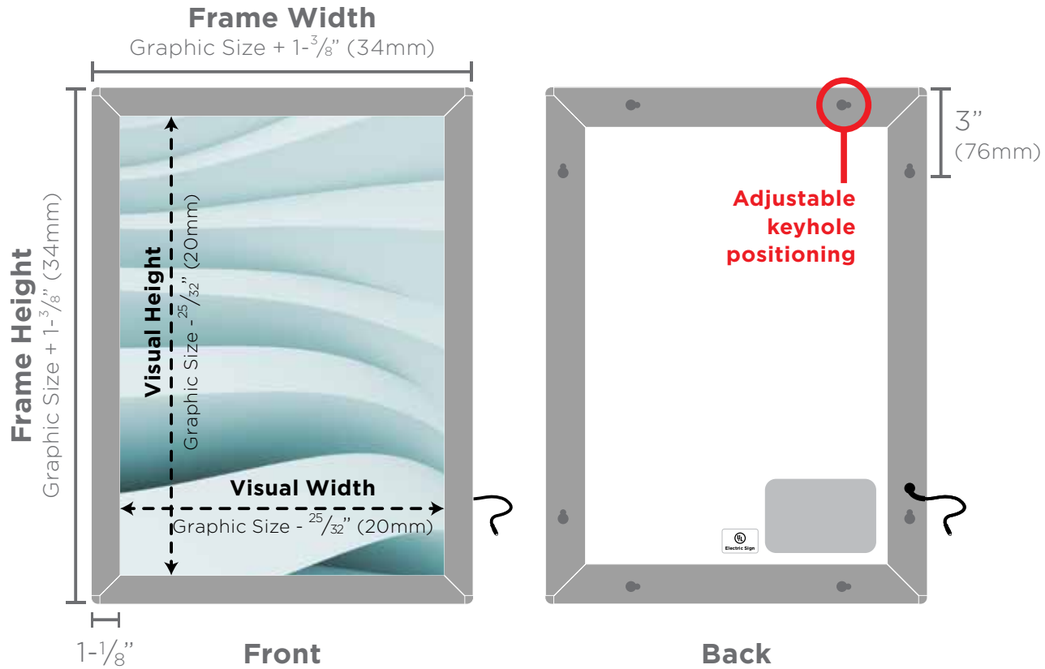


Frame Sectional View

COLOR TEMPERATURES (CCT)



SNAP FRAME GRAPHIC AREA



STANDARD SIZES: PROFILE **C**

LUXARTUS™ LIGHT BOX 6500K

GRAPHIC SIZE[1]	VISUAL AREA[2]	PERIMETER (FRAME) DIMENSIONS[3]	POWER[4]
18" X 24" 457mm x 610mm	17.2" X 23.2" 437mm x 590mm	19.3" X 25.4" 491mm x 644mm	17.6 W
22" X 28" 559mm x 711mm	21.2" X 27.2" 539mm x 691mm	23.3" X 29.3" 593mm x 745mm	20.5 W
24" X 36" 610mm x 914mm	23.2" X 35.2" 590mm x 894mm	25.3" X 37.3" 644mm x 948mm	26.4 W
30" X 40" 762mm x 1016mm	29.2" X 39.2" 742mm x 996mm	31.3" X 41.3" 796mm x 1050mm	29.3 W

[1] TOLERANCE +/- 1/8" (3mm)
[2] PERIMETER (FRAME) DIMENSIONS = GRAPHIC SIZE + 1 3/8" (34mm)
[3] VISUAL AREA = GRAPHIC SIZE - 25/32"(20mm)

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

PROFILE
E

FRAME

Material Anodized aluminum
Snap Open Mechanism On all 4 sides
Depth* 7/8" (22mm)

**Depth is ADA Compliant*

FINISH

Standard Silver
Custom Colors Powder coating available

GRAPHIC

3 Standard Sizes See table
Custom Sizes Max. 60" X 120" (1524mm X 3048mm)

ELECTRICAL

Operating Voltage 24V
Dimming

- O Pulse-width modulation (PWM)
- O 0-10V dimming
- O Magnetic low voltage (MLV)

MOUNTING

Orientation Portrait or landscape
Method Front access wall mount
Hanging Options

- O Front access mounting

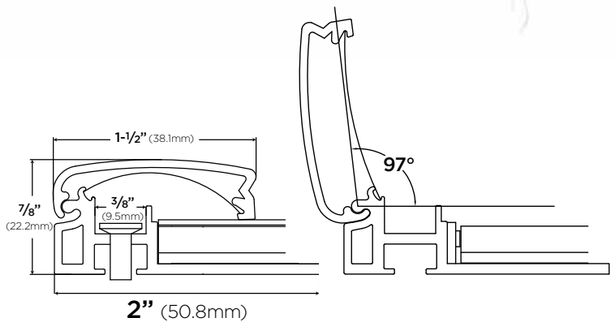
RGB

UNIQUE APPLICATIONS

- Wall Mount
- Hanging

COMPATIBLE LIGHT SOURCE

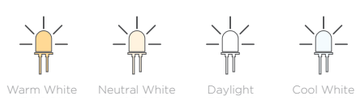
- LUXFIT™ Classic
- LUXFIT™ RGB



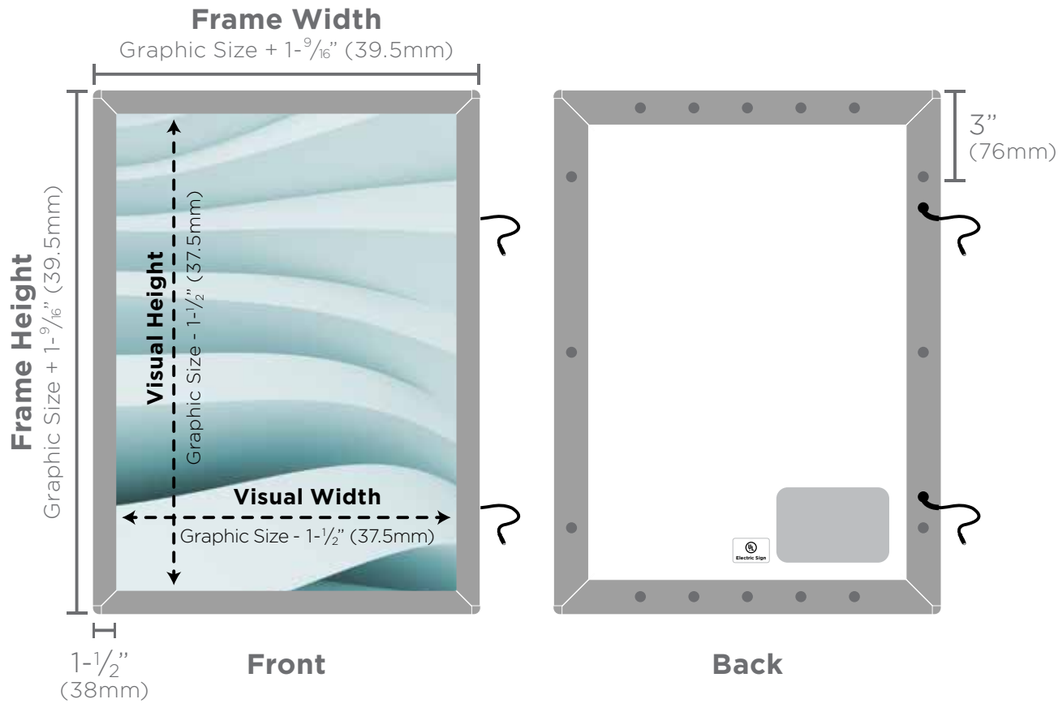
FRAME SECTIONAL VIEW

OPEN SNAP FRAME

COLOR TEMPERATURES (CCT)



SNAP FRAME GRAPHIC AREA



STANDARD SIZES: PROFILE **E**

LUXARTUS™ LIGHT BOX 6500K

ITEM NO.	GRAPHIC SIZE[1]	VISUAL AREA[2]	PERIMETER (FRAME) DIMENSIONS[3]	BRIGHTNESS	POWER[4]
E3648	36" X 48" 914mm x 1219mm	34 1/2" X 46 1/2" 875.5mm x 1180.5mm	37 9/16" X 49 9/16" X 7/8" 954.5mm x 1258.5mm x 22mm	3000 lux	78 W
E4872	48" X 72" 1219mm x 1829mm	46 1/2" X 70 1/2" 1180.5mm x 1790.5mm	49 9/16" X 73 9/16" X 7/8" 1258.5mm x 1868.5mm x 22mm		117 W
E4896	48" X 96" 1219mm x 2438mm	46 1/2" X 94 1/2" 1180.5mm x 2399.5mm	49 9/16" X 97 9/16" X 7/8" 1258.5mm x 2478.5mm x 22mm		156 W

[1] TOLERANCE +/- 1/8" (3mm)
[2] PERIMETER (FRAME) DIMENSIONS = GRAPHIC SIZE + 1 9/16" (39.5mm)
[3] VISUAL AREA = GRAPHIC SIZE - 1 1/2" (37.5mm)

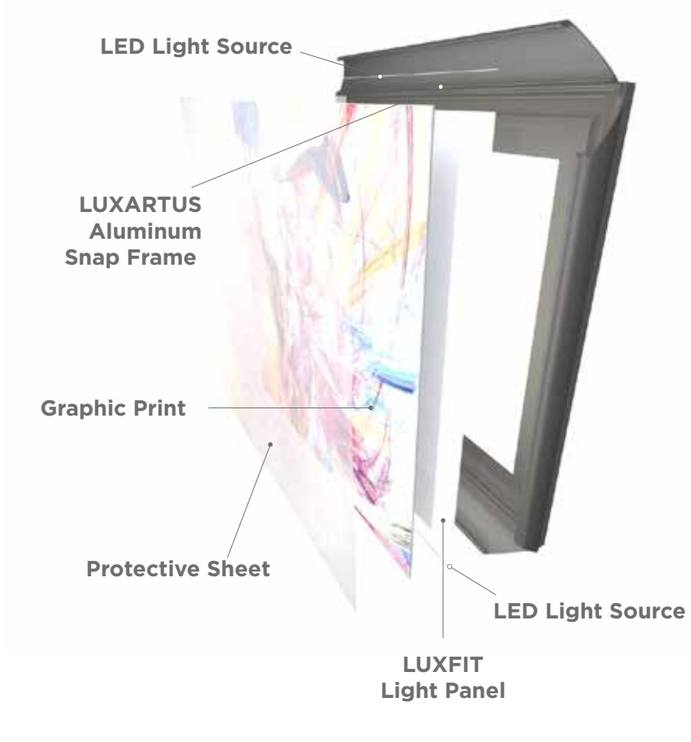
Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

ANATOMY OF A

LUXARTUS™ LIGHT BOX

Our LUXARTUS™ Light Boxes are simply designed for quick graphics changes.

Your Duratrans graphic print is placed in front of the LUXFIT light guide panel and snapped into an aluminum snap frame for easy graphics interchanges. We offer 2 profiles, C and E, for use in applications of all sizes..



PROFILE **CLOSE UP**

PROFILE **C**

PROFILE **E**

LUXARTUS™ LIGHT BOX ORDER CODE

	LUXARTUS™ C	16" X 20"	5300K	NON-DIFFUSED	HARDWIRE	BLACK	OPTIONAL: DOUBLE-SIDED & HANGING
EXAMPLE	C	1620	V	N	H	K	DH
BUILD IT!							
	PRODUCT LINE/PROFILE	DIMENSIONS LENGTH X WIDTH	COLOR TEMPERATURE (CCT)	NON-DIFFUSED	CONNECTOR	FRAME COLOR	APPLICATION

OMIT IF N/A
ADD ON OPTIONS IN RELATIVE ORDER

PRODUCT LINE
- **C** LUXARTUS™ PROFILE C
- **E** LUXARTUS™ PROFILE E

DIMENSIONS (IN INCHES)
- **LLWW** LENGTH X WIDTH (VARIES)

COLOR TEMPERATURE (CCT)
- **W** 6500K
- **V** 5300K
- **Y** 4100K
- **Z** 3000K
- **T** TRICOLOR (RGB)*
- **C** CUSTOM CCT

**PROFILE E ONLY*

NON-DIFFUSED
- **N** NON-DIFFUSED

CONNECTOR
- **B** DC BARREL JACK
- **M** MOLEX®
- **H** HARDWIRE
- **C** SPECIAL

FRAME COLOR
- **S** SILVER
- **K** BLACK
- **C** CUSTOM COLOR

APPLICATION
Indicate any desired options in relative order or omit if not applicable.
- **D** DOUBLE-SIDED
- **H** HANGING
- **-RE** RETAIL SPEC

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

RETAIL DISPLAY
NIKE TOWERS | NETHERLANDS
FABRIC LIGHT BOX (PROFILE 120)

FABRIC LIGHT BOXES

UNIVERSAL APPLICATIONS

- Retail Displays
- Airports
- Trade Shows
- Offices
- Restaurants
- Museums

SEAMLESS ILLUMINATION

Coupling backlighting and edge-lighting technology with a sleek, frameless design, our energy-efficient Fabric Light Boxes will brightly and evenly illuminate your graphics with outstanding brightness, evenness, and longevity for maximum ROI. Our Fabric Light Boxes come in 4 unique profiles that are designed to meet the needs of many common hanging, mounted, and freestanding display applications. Fully customizable and designed for quick graphics interchanges, just plug it in and watch your graphics come to life.

AVAILABLE PROFILES

PROFILE **45** | PROFILE **100** | PROFILE **120** | PROFILE **200**

POPULAR FRAME COLORS

Sith Black | Black Hole | Milky Way White | Moon Gray | Crater Gray | Mars Red | Mercury Blue

QUALITY

E351307 | 100% QC | MADE IN USA | MANUFACTURER'S WARRANTY

KEY FEATURES

QUICK GRAPHICS CHANGES | FRAMELESS DESIGN | OUTSTANDING BRIGHTNESS | EVEN LIGHTING NO DARK SPOTS | CUSTOM SIZES | CUSTOM FRAME COLORS | PLUG & PLAY

COMPATIBILITY CHART

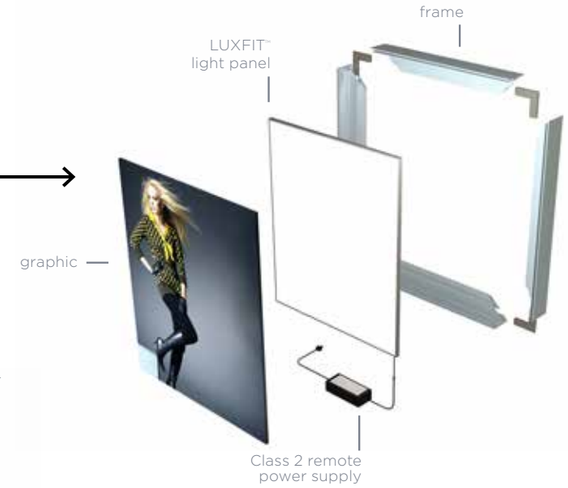
FABRIC LIGHT BOX

Our Fabric Light Box profiles are compatible with multiple light sources and designed with specific applications. Take a look below to see which profile best suits your application needs.

		PROFILE 45	PROFILE 100	PROFILE 120	PROFILE 200
LIGHT SOURCES	LUXFIT™ CLASSIC	●	●	●	
	LUXFIT™ RGB	●	●	●	
	LUXFLEX™ FLEXIBLE SHEET		●	●	●
	LUXMESH™ LATTICE			●	●
OPTIONS	WALL MOUNT	●	●	●	
	FREESTANDING			●	●
	DOUBLE-SIDED				●
	HANGING	●	●	●	●
	DAISY CHAIN	●	●	●	●

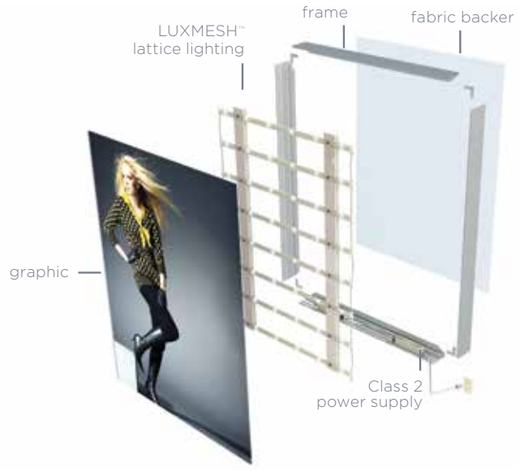
LUXFIT™ LIGHT PANEL

PROFILE 45



LUXMESH™ LATTICE

PROFILE 100, 120



PERIMETER LIGHTING

PROFILE 100, 120, 200

LUXFLEX™ LED SHEET

PROFILE 100, 120, 200

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

FABRIC LIGHT BOX

PROFILE
45

FRAME
Depth 1.77” (45mm)

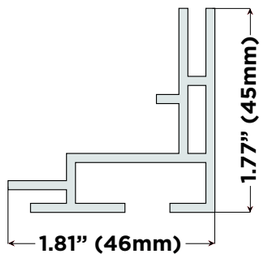
FINISH
Standard Silver anodized aluminum
Custom Color Powder coating available

FABRIC
Print Process Digital dye-sublimation

ELECTRICAL
Operating Voltage 12V, 24V

UNIQUE APPLICATIONS
- Wall Mount

COMPATIBLE LIGHT SOURCE
- LUXFIT™ Classic
- LUXFIT™ RGB
- LUXFLEX™ Flexible Sheet



UNIQUE FEATURES

SLIM PROFILE

WALL MOUNT SEAMLESS APPLICATION

PRE-ASSEMBLED SHIPS READY TO USE

OPTIONS

RGB · TUNABLE WHITE

COLOR TEMPERATURES (CCT)

Warm White **3000K** · Neutral White **4100K** · Daylight **5300K** · Cool White **6500K**

FABRIC LIGHT BOX

PROFILE
100

FRAME
Depth 4” (100mm)

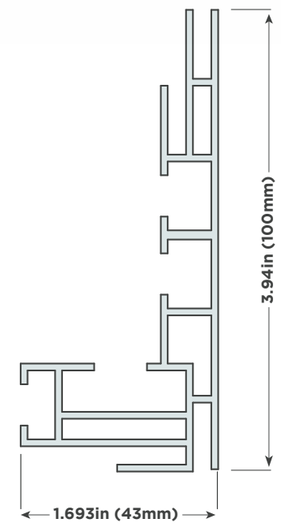
FINISH
Standard Silver anodized aluminum
Custom Color Powder coating available

FABRIC
Print Process Digital dye-sublimation

ELECTRICAL
Operating Voltage 24V

UNIQUE APPLICATIONS
- Wall Mount
- Hanging

COMPATIBLE LIGHT SOURCE
- LUXFIT™ Classic
- LUXFIT™ RGB
- Perimeter Power Light Bars
- LUXFLEX™ Flexible Sheet



UNIQUE FEATURES

WALL MOUNT SEAMLESS APPLICATION

HANGING

OPTIONS

RGB

COLOR TEMPERATURES (CCT)

Neutral White **4100K** · Daylight **5300K** · Cool White **6500K**

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

FABRIC LIGHT BOX

PROFILE
120

FRAME
Depth 4.7” (120mm)

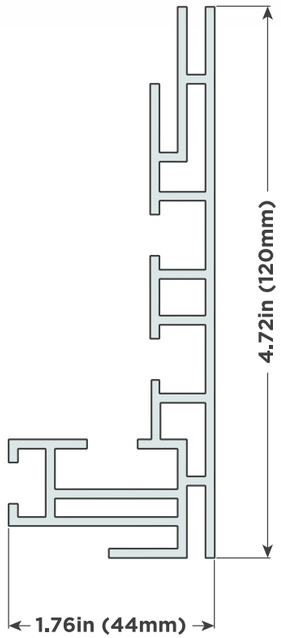
FINISH
Standard Silver anodized aluminum
Custom Color Powder coating available

FABRIC
Print Process Digital dye-sublimation

ELECTRICAL
Operating Voltage 24V

UNIQUE APPLICATIONS
- Wall Mount
- Hanging

COMPATIBLE LIGHT SOURCE
- LUXFIT™ Classic
- LUXFIT™ RGB
- LUXMESH™ Lattice
- Perimeter Power Light Bars
- LUXFLEX™ Flexible Sheet



UNIQUE FEATURES

WALL MOUNT
SEAMLESS APPLICATION

HANGING

FREESTANDING

OPTIONS

RGB

COLOR TEMPERATURES (CCT)

Neutral White **4100K**

Daylight **5300K**

Cool White **6500K**

FABRIC LIGHT BOX

PROFILE
200

FRAME
Depth 7.87” (200mm)

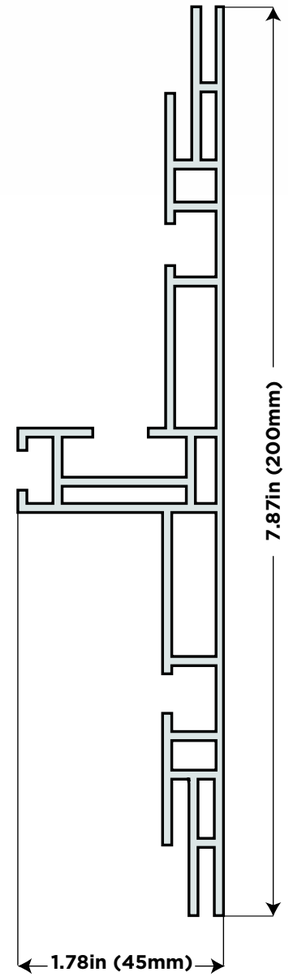
FINISH
Standard Silver anodized aluminum
Custom Color Powder coating available

FABRIC
Print Process Digital dye-sublimation

ELECTRICAL
Operating Voltage 24V

UNIQUE APPLICATIONS
- Double-Sided Displays
- Freestanding Displays
- Window Displays

COMPATIBLE LIGHT SOURCE
- LUXMESH™ Lattice
- Perimeter Power Light Bars
- LUXFLEX™ Flexible Sheet



UNIQUE FEATURES

FREESTANDING

HANGING

DOUBLE-SIDED

OPTIONS

RGB

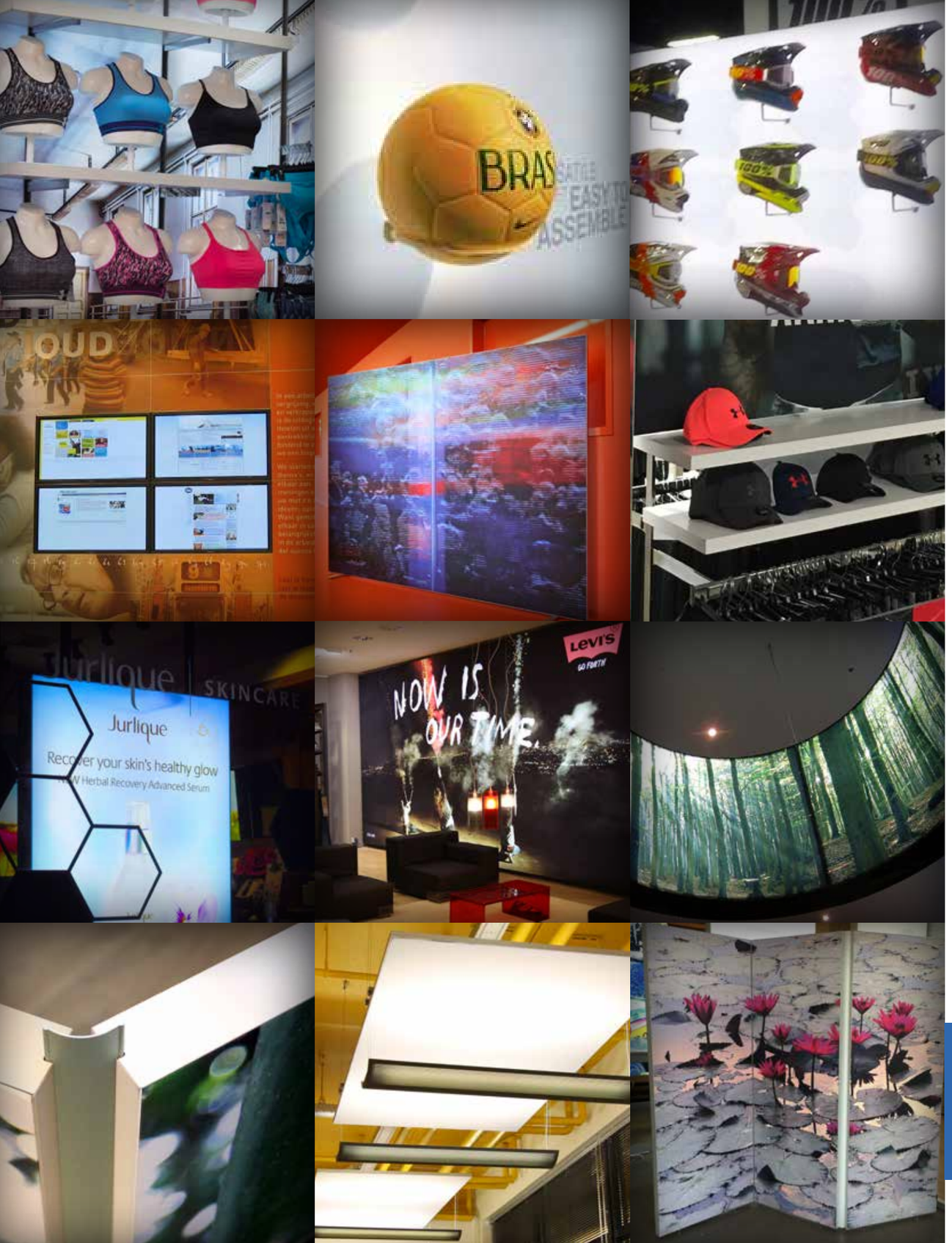
COLOR TEMPERATURES (CCT)

Neutral White **4100K**

Daylight **5300K**

Cool White **6500K**

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.



ACCESSORY

DISPLAY SOLUTIONS

MAGNETIC

Put Your Products On Display!

Our display solutions are a great way to promote product with the Fabric Light Box System. We offer multiple shelving units and retail hanging display solutions as well as fun accessories such as our basketball hoop.

Applicable Profiles: 100, 120, 200

BALL HOOP
Dimensions 11.8" x 4.7" (300mm x 120m)
Weight 0.22 lbs (0.10 kg)

SHELF 12" X 4.7"
Dimensions 12" x 4.7" (300mm x 120mm)
Weight 1 lb (0.45 kg)
Max. Weight Capacity 15 lbs (6.8 kg)

MOUNTING PIN
Length 5.1" (130mm)
Weight 0.20 lbs (0.09 kg)

HELMET HOOK
Dimensions 5.75" x 8"
(146mm x 203.2mm)
Diameter (Rod) 0.38" (9.52mm)
Diameter (Cap) 2" (50.8mm)
Weight 0.55 lbs (0.25 kg)
Max. Weight Capacity 25 lbs (11.34 kg)

For permanent mounting only

WE CUSTOMIZE
ACCESSORIES & BRACKETS!

We are able to customize any type of retail display fixture accessory or bracket that you need for your next project. Just ask - we'll make it happen!

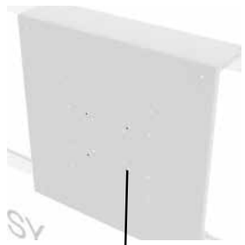
Multimedia Displays Made Easy

To add that extra WOW factor, consider including a TV with your Fabric Light Box System with our TV Mount display solution.

Applicable Profiles: 120, 200

Assembled TV Mount Structure

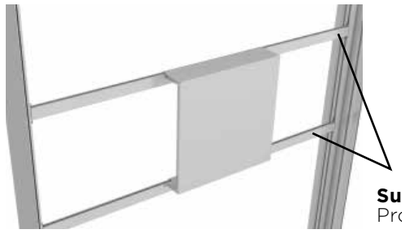
TVs may be screwed onto the TV mount for a secure, permanent display solution. LEDCONN provides support bars with every Fabric Light Box with TV mount to stabilize the frame structure.



Holes allow for screws

TVs are securely screwed onto mounts

FRONT



Support bars
Provide extra stability

BACK

TV
Dimensions Any
Not provided by LEDCONN

+

Permanent TV Mount

Select one

ETMS MONITOR MOUNT A
Applicable Profile 100
Weight 3.3 lbs (1.5 kg)

ETMS MONITOR MOUNT B
Applicable Profile 120, 200
Weight 3.86 lbs (1.75 kg)

Required Support Hardware

Display Solutions may be mounted and supported by magnets or screws. Our square support arm is designed to help support your desired accessory display solution for either mounting type.

Not Applicable to TV Mount Displays.

Magnetic Mount

Shelves attach and detach magnetically to the fabric light box with magnetic mount shelf brackets. Great for frequent seasonal displays.

MAGNETIC MOUNT SHELF BRACKET 100
Applicable Profile 100
Weight 0.35 lbs (0.16 kg)

MAGNETIC MOUNT SHELF BRACKET 1220
Applicable Profile 120, 200
Weight 0.36 lbs (0.17 kg)

Permanent Mount

Transform any shelving unit into a permanent display! Screws may be drilled to securely affix the shelf to any compatible Fabric Light Box profile.

SCREWS
Available at your local hardware store.

We also provide mounting kits for permanent mounting.

Square Support Arm

Support arms support the outward facing display accessory units so that magnetic or permanent mounting may be possible. This support arm must be ordered regardless of the mounting type selected.

SQUARE SUPPORT ARM
Applicable Profile 100
Weight 1.08 lbs (0.49 kg)

Assembled Magnetic Mount

Magnet Mount attaches to the Square Support Arm and discretely hides behind the fabric graphic facing outwardly.

HOW TO ORDER: FABRIC LIGHT BOX

	FABRIC	PROFILE 200	30" X 72"	6500K	PERIMETER	SILVER
EXAMPLE	F	20	3072	W	P	S
	PRODUCT LINE/PROFILE	PROFILE	DIMENSIONS LENGTH X WIDTH	COLOR TEMPERATURE (CCT)	LIGHT SOURCE	FRAME COLOR
BUILD IT!						

PRODUCT LINE

F	FABRIC LIGHT BOX

PROFILE

45	PROFILE 45
10	PROFILE 100
12	PROFILE 120
20	PROFILE 200

DIMENSIONS (INCHES)

LLWW	LENGTH X WIDTH (VARIES)

COLOR TEMPERATURE (CCT)

W	6500K
V	5300K
Y	4100K
Z	3000K
T	TRICOLOR (RGB)*
A	ADJUSTABLE (TUNABLE WHITE)*
C	CUSTOM CCT

**PROFILE 45 ONLY*

LIGHT SOURCE

X	LUXFIT™ CLASSIC LED LIGHT PANEL
M	LUXMESH™ LED LATTICE
P	PERIMETER POWER LED LIGHT BARS
F	LUXFLEX™ LED FLEXIBLE SHEET

FRAME COLOR

S	SILVER
K	BLACK
C	CUSTOM COLOR

HOW TO ORDER: FABRIC/GRAPHIC PRINT

	FABRIC PRINT	30" X 72"	LUXX PRINT	PRINTED IMAGE
EXAMPLE	GF	3072	L	-W
	PRODUCT LINE/PROFILE	DIMENSIONS LENGTH X WIDTH	PRINT TYPE	WHITE PRINT
BUILD IT!				
				OPTIONAL OMIT IF N/A

PRODUCT LINE

GF	FABRIC PRINT

DIMENSIONS (INCHES)

LLWW	LENGTH X WIDTH (VARIES)

PRINT TYPE

L	ILLUMINATED PRINT
B	BLOCK OUT
D	NON-ILLUMINATED

WHITE PRINT-NO IMAGE (OPTIONAL)

-W	FOR WHITE PRINTS ONLY (OMIT FOR PRINTED IMAGES)

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

LUXDAZZLE™ DYNAMIC LIGHTING

DAZZLING 2-D ANIMATION

Create the ultimate stimulating brand experience for your in-store retail environment with LUXDAZZLE™. By combining LED technology, printed graphics and motion programming, this eye-catching dynamic motion lighting solution will undoubtedly be the showstopper of your next campaign or environment. Use LUXDAZZLE™ to boldly animate 2D images that will enchant your viewers time and time again. Available in white and RGB and compatible with a wide array of digital, USB, and Wi-Fi controls, LUXDAZZLE™ will take your visual merchandising experience to a whole new level.

AVAILABLE PROFILES

COLORFUL
RGB

QUALITY

E477011 · 100% QC · MADE IN USA · MANUFACTURER'S WARRANTY

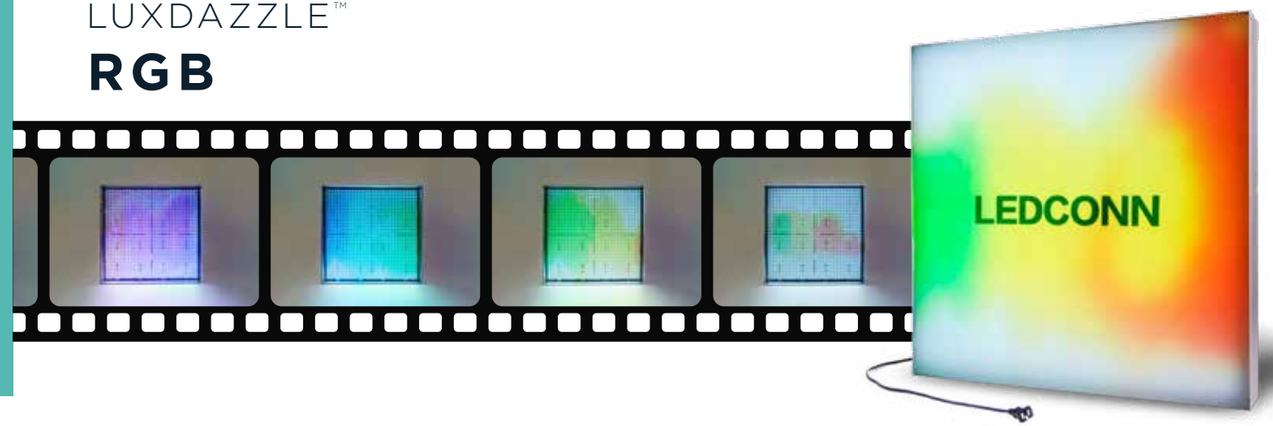
DIVERSE APPLICATIONS

- Retail Environments
- Retail Walls & Columns
- Retail Windows
- Cash Wraps
- Clubs & Entertainment
- Promotional Signage
- Bars & Restaurants
- Museums & Exhibits
- ...And Many More!

KEY FEATURES

- OPTIMAL COLOR RENDERING
- EASY TO PROGRAM — ADOBE ANIMATE/FLASH & AFTER EFFECTS
- USB COMPATIBLE
- WI-FI COMPATIBLE
- CUSTOMIZE
- EASY INSTALL PARTS SHIP DISSASSEMBLED
- PLUG & PLAY
- QUICK GRAPHICS CHANGES
- ECONOMICAL — COMPARED TO LED PIXEL DISPLAY
- BACKLIGHTING
- CUSTOM FRAME COLORS
- DYNAMIC RGB 2-D ANIMATION

LUXDAZZLE™ RGB



LIGHTING

LED Count 256 LEDs/pc
Dimensions 12.6" x 12.6" (320mm x 320mm)

PHOTOMETRICS

Lamp Life 54,000+ hours
Color Temperature 10680K
Luminous Flux 970.12 lm/pc
Lumen Efficacy 75.79 lm/W

POWER SUPPLY & CONTROL

Input Voltage 5VDC
Power 12.8 W/pc

COMPATIBLE CONTROLLERS

- DMX control
- Wi-Fi controller for smart devices
- 0-10V dimming
- Magnetic low-voltage dimming

MOUNTING

Environment Indoor only
Method Aluminum profile & clip
Options

- Hanging
- Freestanding
- Wall Mount

HANGING · WALL MOUNT · FREESTANDING

HOW TO ORDER: LUXDAZZLE

EXAMPLE

	FABRIC	PROFILE 200	30" X 72"	6500K	PERIMETER	SILVER
F203072WPS	F	20	3072	W	P	S
	PRODUCT LINE/PROFILE	PROFILE	DIMENSIONS LENGTH X WIDTH	COLOR TEMPERATURE (CCT)	LIGHT SOURCE	FRAME COLOR

BUILD IT!

PRODUCT LINE
F — FABRIC LIGHT BOX

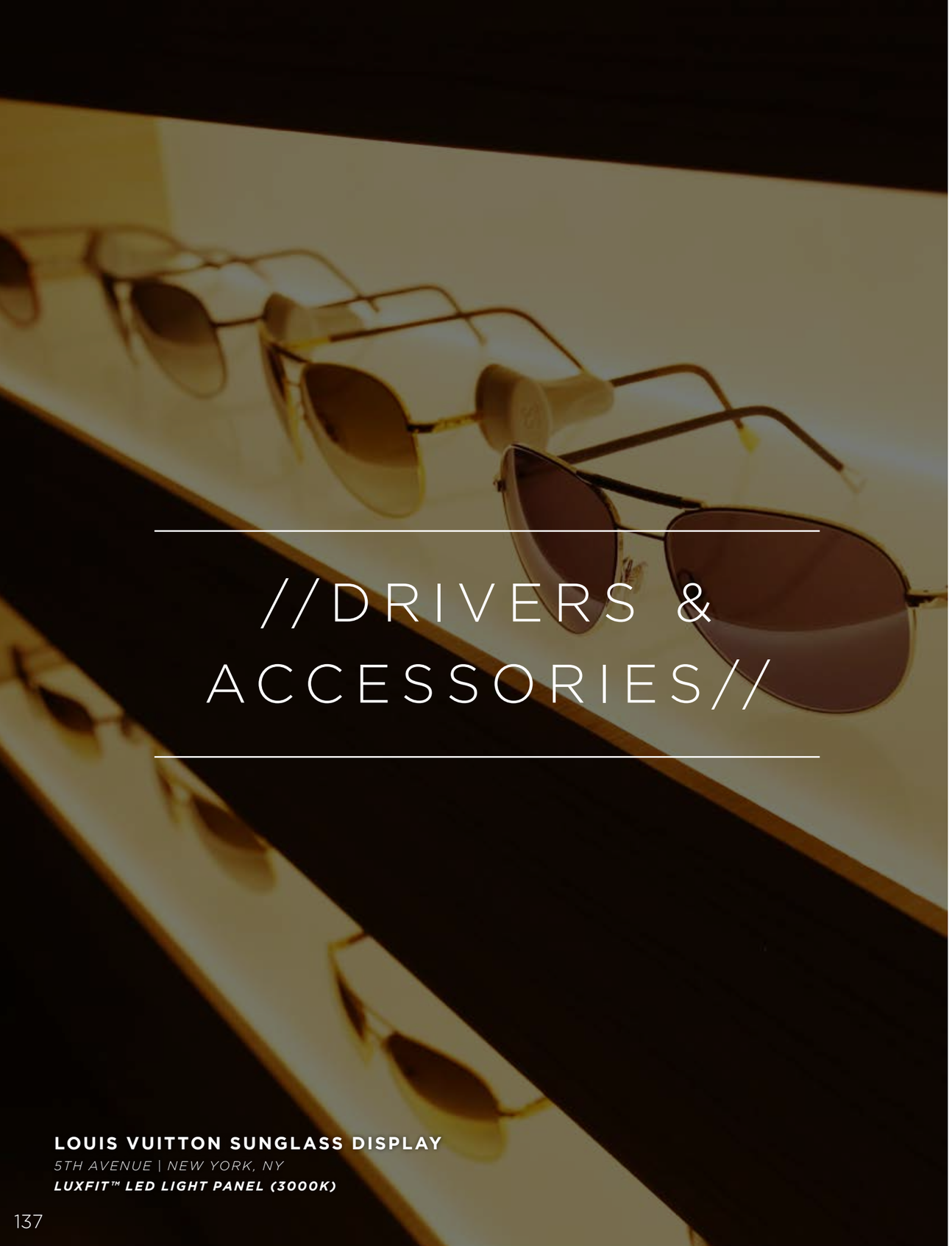
PROFILE
45 — PROFILE 45
10 — PROFILE 100
12 — PROFILE 120
20 — PROFILE 200

DIMENSIONS (INCHES)
LLWW — LENGTH X WIDTH (VARIES)

COLOR TEMPERATURE (CCT)
T — TRICOLOR (RGB)

LIGHT SOURCE
D — LUXDAZZLE™

FRAME COLOR
S — SILVER
K — BLACK
C — CUSTOM COLOR



//DRIVERS & ACCESSORIES//

LOUIS VUITTON SUNGLASS DISPLAY
5TH AVENUE | NEW YORK, NY
LUXFIT™ LED LIGHT PANEL (3000K)

UL CLASS 2

ADAPTERS, DRIVERS
& POWER SUPPLIES

We offer a wide array of **UL Class 2 Listed and Recognized** DC plug-in power adapters and hardwire accessories. Use the chart below to find the power supply best suited to your specific application. The majority of the power supplies listed here are best suited for indoor environments and applications. Contact a LEDCONN project specialist for power supplies with exterior IP ratings.

DC PLUG-IN POWER

PLUG-IN ADAPTERS | CLASS 2

PRODUCT	P/N	OUTPUT VOLTAGE	INPUT VOLTAGE	OUTPUT POWER	DIMENSIONS	UL
	ZTREB12V1AN	12VDC	100-240VAC	12W	2.90" X 1.09" X 1.67" 73.7mm X 27.7mm X 42.4mm	UL Listed
	ZTREB12V2AN	12VDC		24W	3.54" X 1.85" X 1.17" 89.9mm X 46.7mm X 29.7mm	
	ZTREB12V3AN	12VDC		36W	3.54" X 1.85" X 1.17" 89.9mm X 46.7mm X 29.7mm	
	ZTREB12V4AN	12VDC		48W	4.70" X 2.05" X 1.32" 119.4mm X 52.1mm X 33.5mm	
	ZTREB12V5AN2	12VDC		60W	4.70" X 2.05" X 1.32" 119.4mm X 52.1mm X 33.5mm	
	ZTREB24V1AN	24VDC		24W	3.54" X 1.85" X 1.17" 89.9mm X 46.7mm X 29.7mm	

NERD NOTES

UL CLASS 2

What exactly is Class 2 Compliance? And why is it important?

All of our power supplies are Class 2 compliant. A Class 2 circuit, as defined by the National Electric Code (NEC), includes the wiring system that is located between the load side of a Class 2 LED driver and the connected equipment, such as our LED luminaires. Class 2 compliance ensures that the circuit will be safe from fire and electric shock.

DC PLUG-IN POWER (cont'd)

PLUG-IN ADAPTERS | CLASS 2

PRODUCT	P/N	OUTPUT VOLTAGE	INPUT VOLTAGE	OUTPUT POWER	DIMENSIONS	UL
	ZTREB24V2AN	24VDC		48W	4.70" X 2.05" X 1.32" 119.4mm X 52.1mm X 33.5mm	
	ZTREB24V3AN	24VDC	100-240VAC	72W	4.65" X 2.34" X 1.45" 118.1mm X 59.4mm X 36.8 mm	UL Listed
	ZTREB24V4AN	24VDC		96W	6.75" X 2.82" X 1.56" 171.5mm X 71.6mm X 39.6mm	

HARDWIRE

DIMMABLE MAGNETIC TRANSFORMERS | MLV DIMMING | CLASS 2

	ZTRMS24V96W*	24VDC		96W	8.5" X 3.5" X 3" 215.9 X 88.9 X 76.2 mm	
	ZTRMS24V192W*	24VDC	120VAC	192W	14" X 8" X 5" 355.6" X 203.2 X 127 mm	UL-Recognized
	ZTRMS24V288W*	24VDC		288W	14" X 8" X 5" 355.6" X 203.2 X 127 mm	

*Safe for use in indoor and outdoor environments.

HARDWIRE (cont'd)

ELECTRONIC LED DRIVERS | 0-10V DIMMING** WITH DIMMING MODULE | CONSTANT VOLTAGE | CLASS 2

PRODUCT	P/N	OUTPUT VOLTAGE	INPUT VOLTAGE	OUTPUT POWER	DIMENSIONS	UL
	ZTREM12V60WV*	12VDC	90-264VAC	60W	6.40" X 1.67" X 1.26" 162.5mm X 42.5mm X 32mm	UL-Recognized
	ZTREM12V60WF*	12VDC	90-305VAC		6.40" X 1.69" X 1.26" 162.5mm X 43mm X 32mm	
	ZTREM24V60WV*	24VDC	90-264VAC		6.40" X 1.67" X 1.26" 162.5mm X 42.5mm X 32mm	
	ZTREM24V60WF*	24VDC	90-305VAC		6.40" X 1.69" X 1.26" 162.5mm X 43mm X 32mm	
	ZTREM24V90WF*	24VDC	90-305VAC	90W	6.34" X 2.40" X 1.42" 161mm X 61mm X 36mm	
	ZTREM24V100WPLN	24VDC	90-295VAC	96W	7.87" X 2.78" X 1.38" 200mm X 70.5 X 35mm	
	ZTREM24V80WHLG*	24VDC	90-305VAC	81.6W	7.70" X 2.42" X 1.53" 195.6mm X 61.5mm X 38.8 mm	UL Listed
	ZTREA24V99WANP-UL*	24VDC	90-305VAC	100W	7.80" X 2.76" X 1.22" 198mm X 70mm X 31mm	

DIMMABLE ELECTRONIC LED DRIVERS | 0-10V DIMMING | CLASS 2

	ZTREA24V100W277*	24VDC	108-305VAC	96W	14.21" x 1.18" x 0.83" 361mm x 30mm x 21mm	UL-Recognized

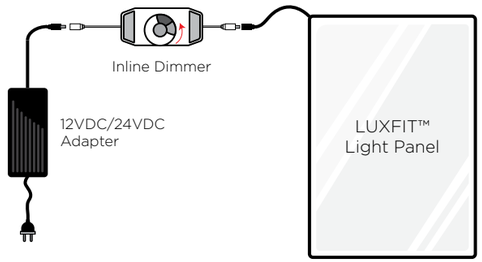
DIMMABLE ELECTRONIC LED DRIVERS | DMX/DALI | CLASS 2

	ZTREE1224V100W	12VDC or 24VDC (select output voltage with DIP switch)	120-277VAC	100W	15.27" X 1.65" X 1.18" 388mm X 42mm X 30mm	UL-Recognized

*Safe for use in indoor and outdoor environments.
**0-10V Dimming with remote dimming module available for purchase separately.

DIMMING OPTION 1

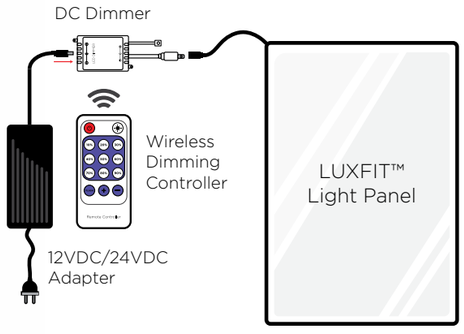
INLINE
PLUG & PLAY



Inline dimmers are designed to dim LUXFIT™ 12VDC and 24VDC LED Light Panels from 0-100% using a **Pulse Width Modulation (PWM) circuit**. Use the knob to adjust and control the dimming range from zero to full lighting intensity. Designed with a male and female barrel power connector sized at 0.22" (5.5mm) for connecting inline with our power supplies. Features a max load of 2 amps. Enjoy a quick connect with the DC barrel jacks to connect inline with our power supplies.

DIMMING OPTION 2

RADIO FREQUENCY (RF)
REMOTE CONTROL



The Remote Control LED Dimmer Switch is a compact & lightweight LED dimmer that comes with a handheld remote control. Enjoy complete dimming control with a easy-to-use, pocket-sized remote control. As an inline product, this dimming system does not interfere with outer radio frequencies.

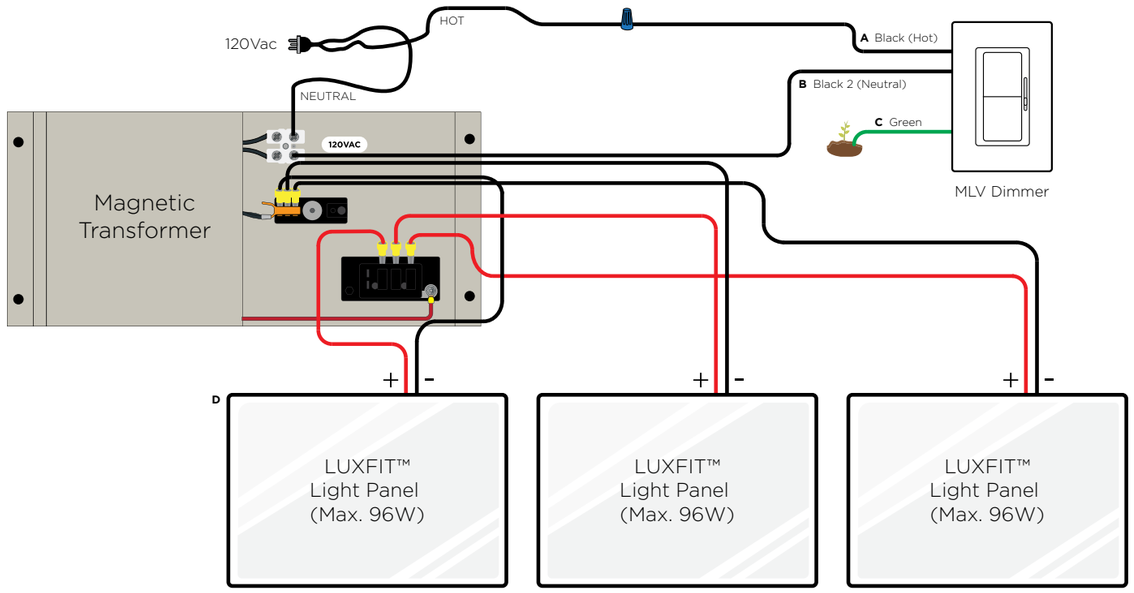
DIMMING OPTION 3

MAGNETIC
LOW VOLTAGE

Magnetic Low Voltage (MLV) Dimmer

Magnetic Transformer

For applications that require a magnetic low voltage (MLV) system, we offer a fully dimmable **Magnetic Low Voltage Wall Mount Dimmer** that can be used to easily control any of our 96W, 196W, or 288W **Magnetic Transformers**. Regardless of the selected power output, all of our magnetic low voltage systems are UL Class 2 compliant. This system utilizes simplified wiring and meets all UL, cUl, ANSI/UL, and CSA requirements.



MAKING SENSE OF THE HARDWIRE CONNECTIONS

A Black wire A may be connected to a plug or junction box.

B Black wire B connects the dimmer to the magnetic transformer.

C Green wire connects to the ground wire.

D Multiple LEDCONN® Light Fixtures may connect to a single magnetic transformer as long as the combined max power does not exceed 80% of the magnetic transfomer's full power capacity.

LOW VOLTAGE

0-10V DIMMING WITH DIMMING MODULE

0-10V Dimmer

+

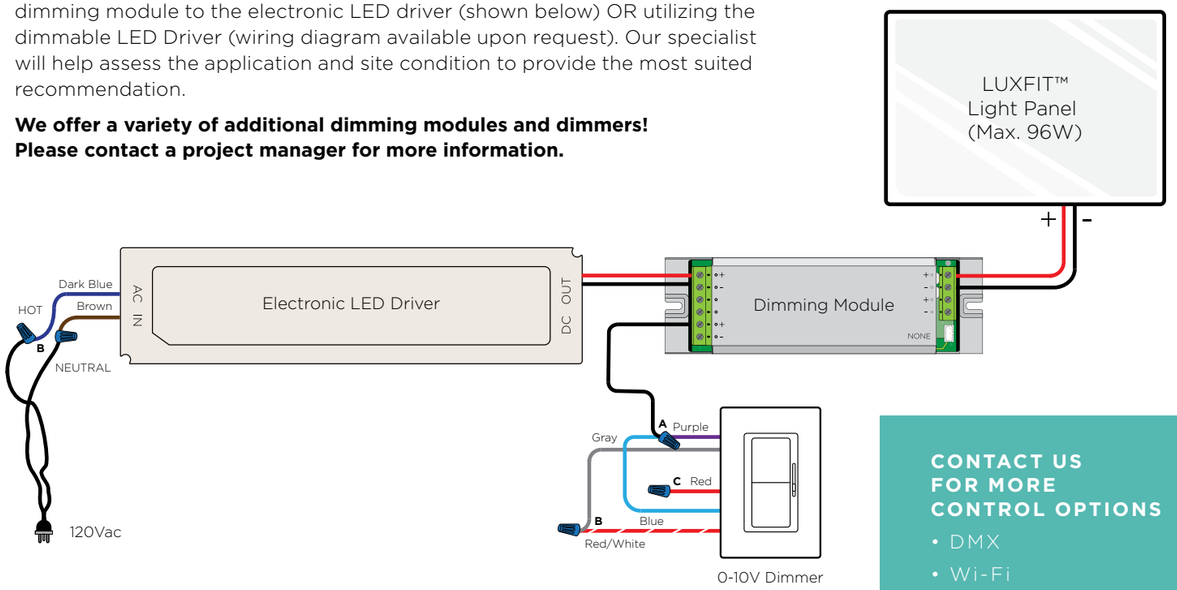
Electronic LED Driver

+

Dimming Module

For designs that specify 0-10V dimming, we offer the option of adding a dimming module to the electronic LED driver (shown below) OR utilizing the dimmable LED Driver (wiring diagram available upon request). Our specialist will help assess the application and site condition to provide the most suited recommendation.

We offer a variety of additional dimming modules and dimmers! Please contact a project manager for more information.



CONTACT US FOR MORE CONTROL OPTIONS

- DMX
- Wi-Fi
- Mobile Apps
- ...And many more!

MAKING SENSE OF THE HARDWIRE CONNECTIONS

A Purple & Blue may be connected to connect to a dimming module.

B Gray & Red/White wires may be connected to plug into the “DC Out” end of the Electronic Power Supply.

C Red wire may be capped or utilized for 3-way dimming.

D Red & Brown wires are individually connected to a 120 Vac plug for a simple plug & play solution.

Complete Listing of Drivers/Controls

Please visit our website for a complete listing of available drivers and controls, including wiring diagrams, necessary components and product compatibility.

- Static White Drivers & Controls
- RGB Drivers & Controls
- RGB+W Drivers & Controls
- Tunable White Drivers & Controls

//LIGHTING 101//

ENDEAVOR SPACE SHUTTLE MUSEUM EXHIBIT
ENDEAVOR SPACE SHUTTLE | LOS ANGELES, CA
LUXFIT™ CLASSIC LED LIGHT PANEL

ALL ABOUT
LIGHTING

We understand that lighting can be confusing. That's why we're so passionate about providing quality consultation and educational resources to better serve you. You can trust any of our LEDCONN lighting gurus to lead the way!

0-10V Dimming

0-10V dimming is one of the simplest electronic lighting control signaling systems commercially available today. A controlled lighting system featuring this dimming method scales a luminaire's lumen output so that at 10 V, the controlled luminaire should be at 100% of its potential output, and at 0 V, it should be at the lowest possible dimming level.

Color Rendering Index

CRI

CRI 90+ CRI 80+

The Color Rendering Index is a measurement of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source.

Standard CRI Measurements & Their Common Applications
- ***CRI 100*** *The highest value measurement of light; equivalent to sunglight.*
- ***CRI 90+*** *Great light source for general & direct lighting.*
- ***CRI 80+*** *Strong light source for backlit & indirect lighting.*

Color Rendering Value

R9

While CRI measures the color quality of the light source, R9 represents the color red and how it's rendered. In retail and restaurant application, it is important to present the color accurately and LEDs with high R9 values create the most vivid colors.

Constant Current

Constant current luminaires require a constant current to be supplied from the driver. For these lights the current is fixed by the driver but the voltage may vary. Constant current lights are ALWAYS wired in series. For industrial lighting, a constant current system is more common; however, a system redesign may be required to account for changes that may occur in the future.

Constant Voltage

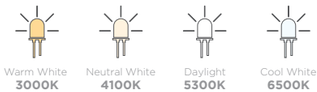
Constant voltage luminaires require a steady voltage to be supplied from the driver. For these lights the voltage is fixed by the driver but the current may vary. Constant voltage lights are ALWAYS wired in parallel. Constant voltage systems feature better flexibility in comparison to constant current systems.

Most of LEDCONN's products are constant voltage systems.

ALL ABOUT LIGHTING

Correlated Color Temperature

CCT



Correlated Color Temperature is a Kelvin measurement that defines the color appearance of a white light source. Color temperature should not be selected indiscriminately: each color temperature serves a unique purpose and may be best suited for specific applications and environments.

LEDCONN® Standard Color Temperatures & Their Common Applications

- ***2700K-3500K (Warm White)*** *Residential and general lighting.*
- ***4000K-5300K (Neutral White)*** *Retail display/store fixture illumination*
- ***5300K+ (Cool White)*** *Backlit graphics/images & electronic device displays*

Low-Voltage Dimming

Magnetic & Electronic

When dimming a low-voltage fixture, the dimmer controls the line voltage (VAC) input to the transformer powering the low-voltage lights. There are two types of transformers manufactured for low-voltage lighting: Magnetic (core and coil) – MLV and Electronic (solid-state) - ELV.

Luminous Flux

lumen

Lumen represents the international standard unit (lm) of measurement for Luminous Flux, which refers to the total measurable amount of visible light emitted by a light source. In simple terms, the higher the lumen rating is, the "brighter" the light fixture will appear.

Luminous Efficacy

lm/W

A measure of how well a light source produces visible light. It is the ratio of Luminous Flux to Power, or lumens per Watt. The higher the luminous efficacy, the more energy-efficient the light fixture will be.

Illuminance

lux

Illuminance measures the amount of light falling onto and spreading over a given surface. 1 Lux equals to 1 lumen per square meter.
The Lux reading of a light will vary depends on the distance and spreading area between measuring point to the light. For example: A flux of 1000 lumens, concentrated into an area of 1 square meter, will measure an illuminance of 1000 lux. However, the same 1000 lumens, spread out over 10 square meters, produces a dimmer illuminance of only 100 lux.

UL-Listed/ UL-Recognized

The UL Listed and UL Recognized Marks indicate that a product has been tested and has passed the specific requirement in one or more categories for product safety by the Underwriters Laboratories (UL). UL Mark on a product assures the product meets the minimum safety standard.

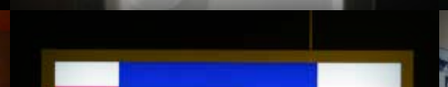
- *Keep in mind that UL Marks may not always be mandatory but are often required for certain specific applications, installations, and inspections.*
- ***Most of LEDCONN's lighting solutions are UL certified products.***

Visit our Downloads Page for Complete Specs, Installation Guides, Case Studies and more.

TILED WALL ILLUMINATION
ATLANTA, GA
LUXFIT™ CLASSIC LED LIGHT PANELS

ARCHITECTURE

RETAIL



EXHIBIT/SIGNAGE

AWARD-WINNING

LIGHTING SOLUTIONS

We're committed to the success of our partners and clients.
We'd love to be a part of your future success!

Contact us today for more information.

AWARDS & NOMINATIONS
30
...and more to come!

30 Industry Awards & Nominations since 2013

SHOP/OMA AWARDS	LIT Lighting Design Awards	Lumen West	IES Illumination Awards	BUILD Architectural Awards	Darc Awards
20	2	2	1	4	1

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