

LED Lighting Catalog



**TRU=LED**

5 Year
Warranty





Table of Contents

- Why TruLED?2
 - Color Rendering Index3
 - Color Rendering Index for White LED4
 - Full Spectrum.....5
 - Excellent Color Consistency7
 - The Difference Within a TruLED LED8
 - FPC Manufacturing Procedure9
- Application and Installation.....10
- Products12
 - Overview12
 - HE Series - High Efficiency13
 - HL Series - High Lumen19
 - HD Series - High Definition CRI 95+.....23
 - HN Series - High Natural CRI 95+ R9, R12 90+ (Full Spectrum)27
 - CCT Series - Color Tunable White31
 - RGB & RGB+W Series35
 - Addressable Series.....41
 - Specialty Series45
 - Standard LED Covers47
 - Connectors.....49
 - Power Supplies / Dimmer.....51
- Pricing.....52



Why TruLED?

Newly built factory using the latest in improved manufacturing machines and processes.

This allows us to design and engineer products that are based on the customers' needs and the intended use of the application of LED light.

When compared to outdated equipment others still use, we not only get the advantage of being able to use the newest generation of SMD chipsets but offer a superior finished product that's fabricated from the start for its intended purpose.

Superior Color selection and consistency

Color tolerance starting at +/- 50K by using 1 BIN production 1/2 3 step MacAdam Ellipse color matching. True Colors available in CRI value of 95+

Stronger surface adhesion

Using 3M VHB Tape (5604A)

Flexible Reliability

LM80 Testing using IESNA standards (Illuminating Engineering Society of North America)

Burn-In Testing 100% aging tested with a L70 above 50,000 hours. (LM70 life expectancy)

Surface-mount technology (SMT) using special designed pure copper brackets with 99.99% purity golden wire to avoid dead lights during the installation.

Intematix or branded Phosphor Powder Coating results in uniformity, high reliability and high quantum efficiency ensuring maximum energy escapes as useful light with high color rendering.

Higher efficiency

3 or 4oz double-layer PCB for higher power transfer with less voltage drop

2 to 3 time's higher efficiency and improved heat management

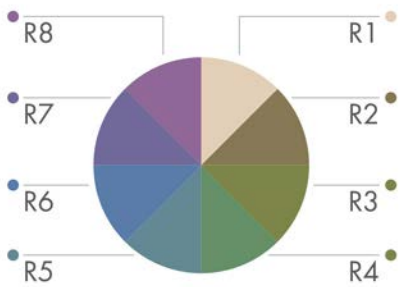
5 Year
Warranty



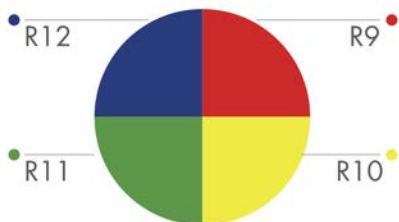
Color Rendering Index

The Color Rendering Index (CRI) is a measure of the ability of a light source to reveal the colors of objects accurately in comparison with an ideal or natural light source. This measurement is expressed by a rating of 1 to 100 on the Color Rating Index, with higher ratings indicating better results. CRI is calculated using eight reference samples in CRI 1995 color space called R-values. Our LEDs are designed to deliver the highest R-values.

Pastel Colors



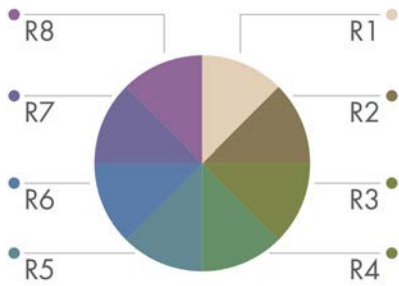
Saturated Colors



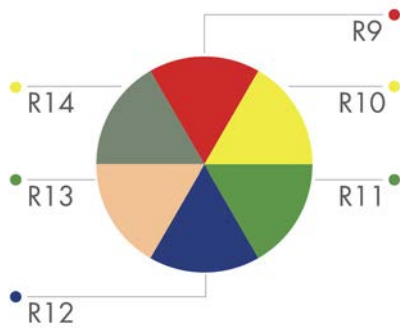
Earth Colors



CRI Value Average



Not Included in CRI Value



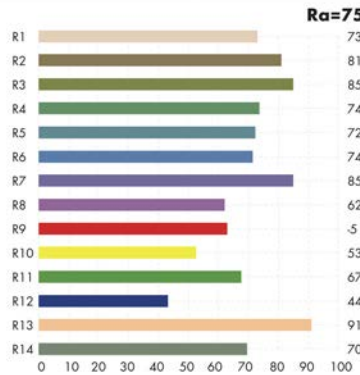
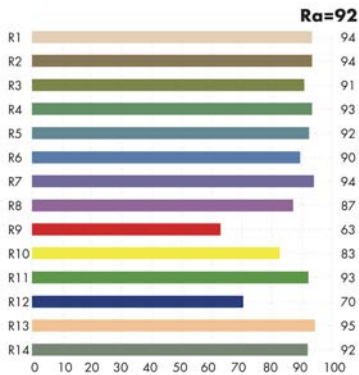
Color Rendering Index for White LED

An LED's general CRI is calculated by measuring its CRI ratings for individual colors and averaging them out. However, this score only takes into account the measurements of colors R1 - R8. While not included in the general CRI (Ra) rating, values R9 - R12 should not be neglected - especially the CRI R9 value. These values are important for displaying accurate color saturation.

This is why two lights with identical CRI ratings can look different. Studies have shown that upon visual evaluation, lights that have a lower CRI rating but a higher R9 value can actually look better than lights with a higher CRI rating and lower R9 value. Our LEDs produce both high Ra and R9 values to ensure the best results.



R9 is an important metric because it represents how accurately a light source will reproduce strong red colors. Red is a vital color for many applications, such as photography, textiles, and reproduction of human skin tones. A light that lacks red will make a person look pale, or even green. The R9 value should not be negative, especially for use in commercial settings.

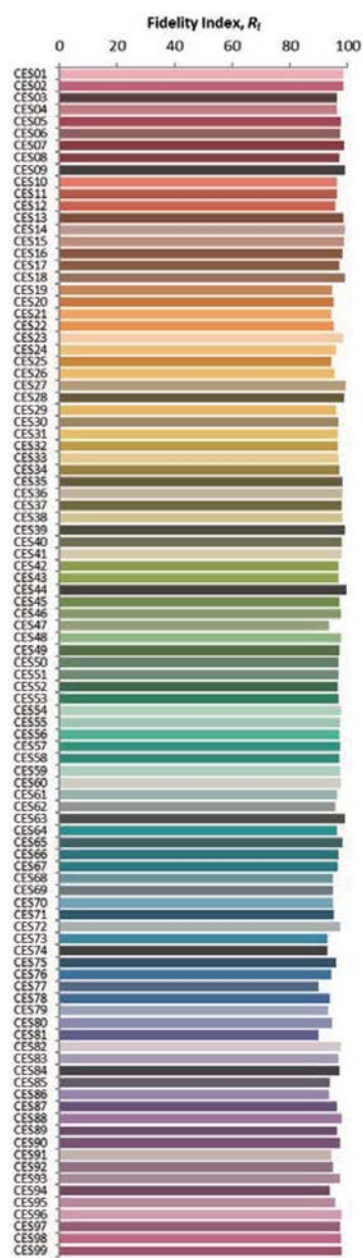


Full Spectrum

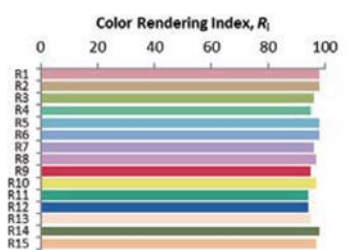
High Fidelity Index Rf Under the TM-30-15 Metric

TM-30-15 is a new and improved IES method for characterizing the color rendering ability of white light sources. While general CRI and extended CRI utilize 8 and 15 color samples, respectively, they do not necessarily represent the actual colors that we would encounter in the real world. The new fidelity index (Rf) developed under TM-30-15, on the other hand, utilizes 99 color samples in its calculation, providing a much more statistically representative and reliable metric in describing a light source's ability to faithfully render colors. In line with CRI, the best possible score for Rf under the TM-30-15 rubric is 100.

TM-30-15 Fidelity Index (Rf):
99 color samples



Color Rendering Index (CRI):
8 or 15 color samples

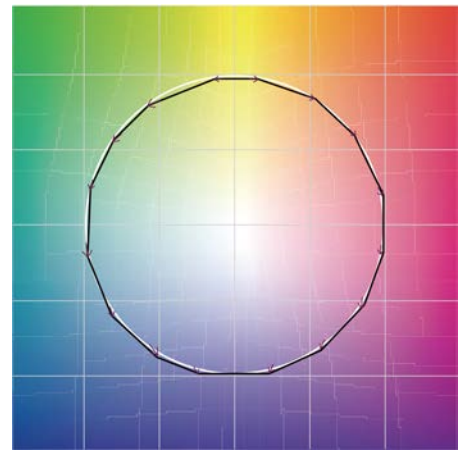
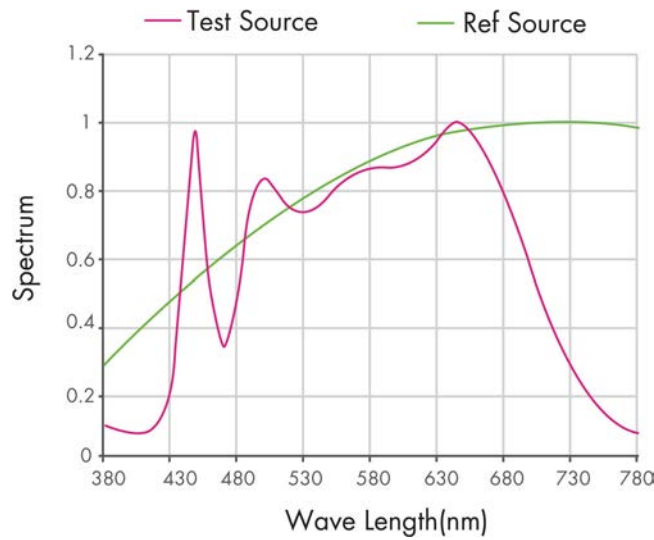


Understanding the Fidelity Index (Rf) as pre TM-30-15

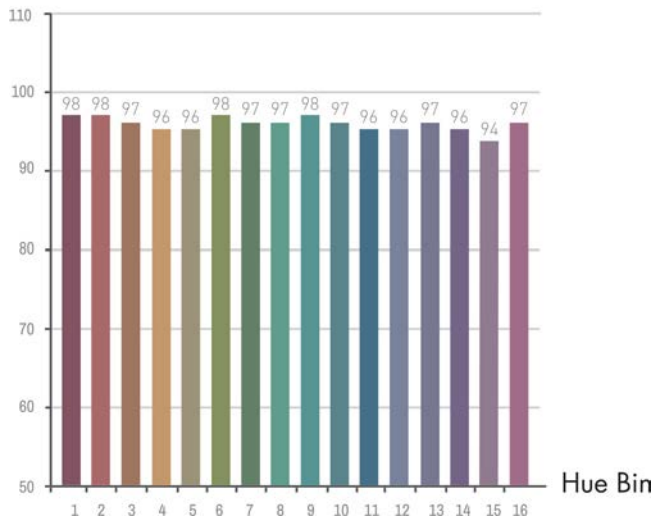
Rf under TM-30-15 has been developed with the general public's prior acceptance of CRI as a color rendering metric in mind. As such, the conceptual application and mathematical scaling remain very similar to CRI. Our testing and calculations show that our CRI Ra and TM-30-15 Rf values correlate very strongly. Our ability to achieve high Rf scores is a testament to our expertise in phosphor recipe development and design of SPDs based on fundamental Planckian black body curves.

One significant advantage of Rf under TM-30-15 is the availability of 99 color samples whose chromaticities have been chosen from real-world objects, and furthermore, have been categorized as those occurring in either 1) nature, 2) skin, 3) textiles, 4) patinas, 5) plastics, 6) printed material, and 7) color systems. This means that specifying and characterizing LEDs can now be application-specific, with comparison across LEDs with respect to rendering particular color types made possible.

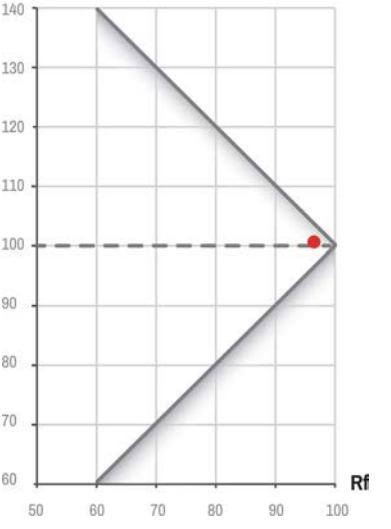
TM-30-15 Test of Full Spectrum (FS) LED



Rf by Hue

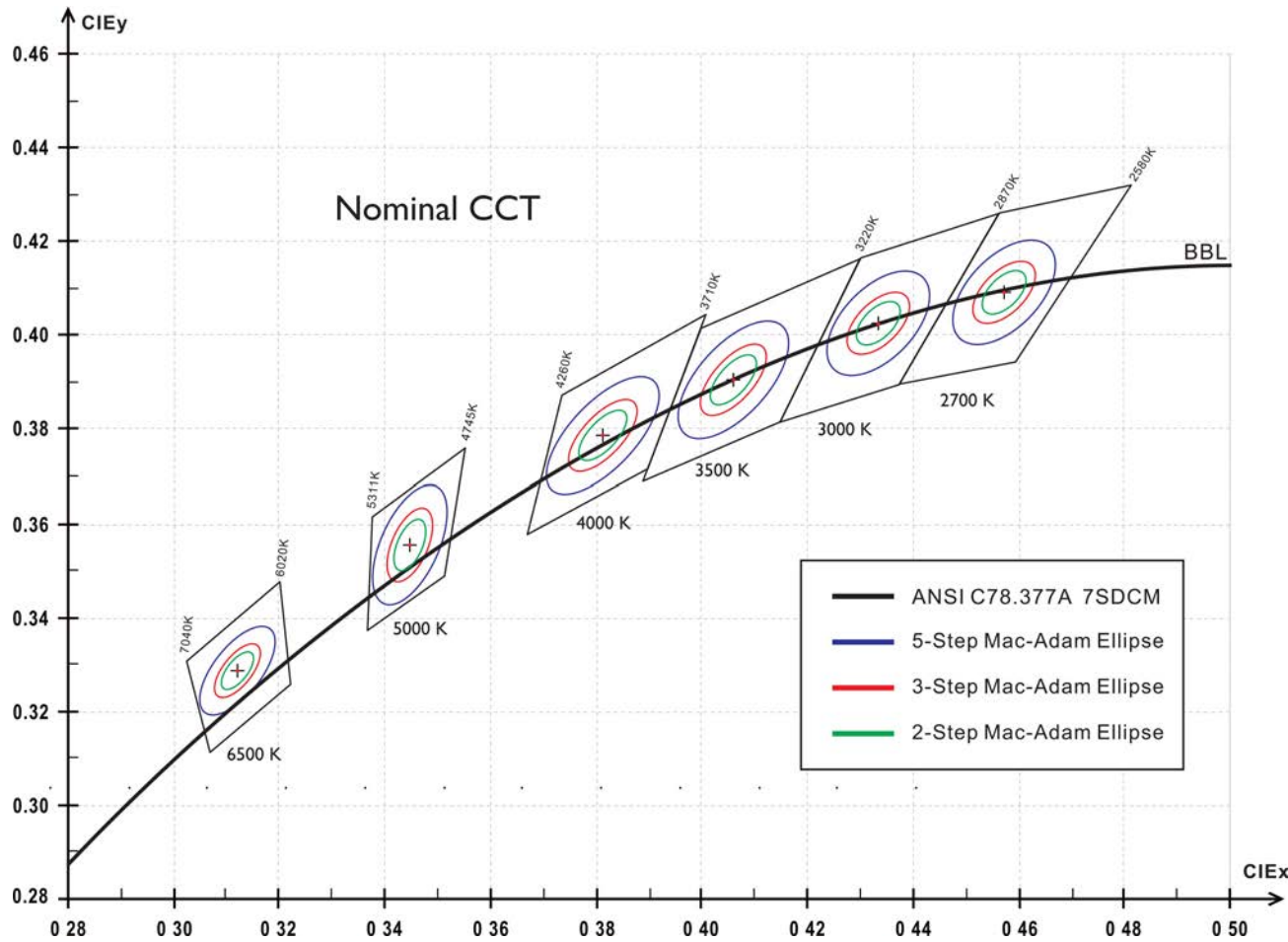


Rg



Excellent Color Consistency

Due to improved manufacturing, quality control and advanced materials selection software we are able to maintain tighter tolerances on color variations between led chip sets. As a result we offer an unprecedented single binning selection process at a price point usually reserved for custom designed special orders. This allows us to deliver premium color consistency on every product, every order without the added cost.



Standard Deviation Color Matching (SDCM)

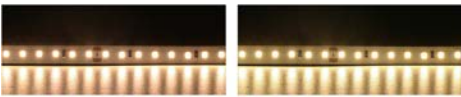
SDCM <2, no visual difference between the same batch of products



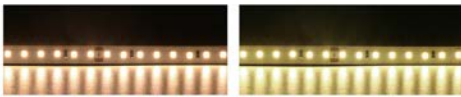
2-step MacAdam



3-step MacAdam

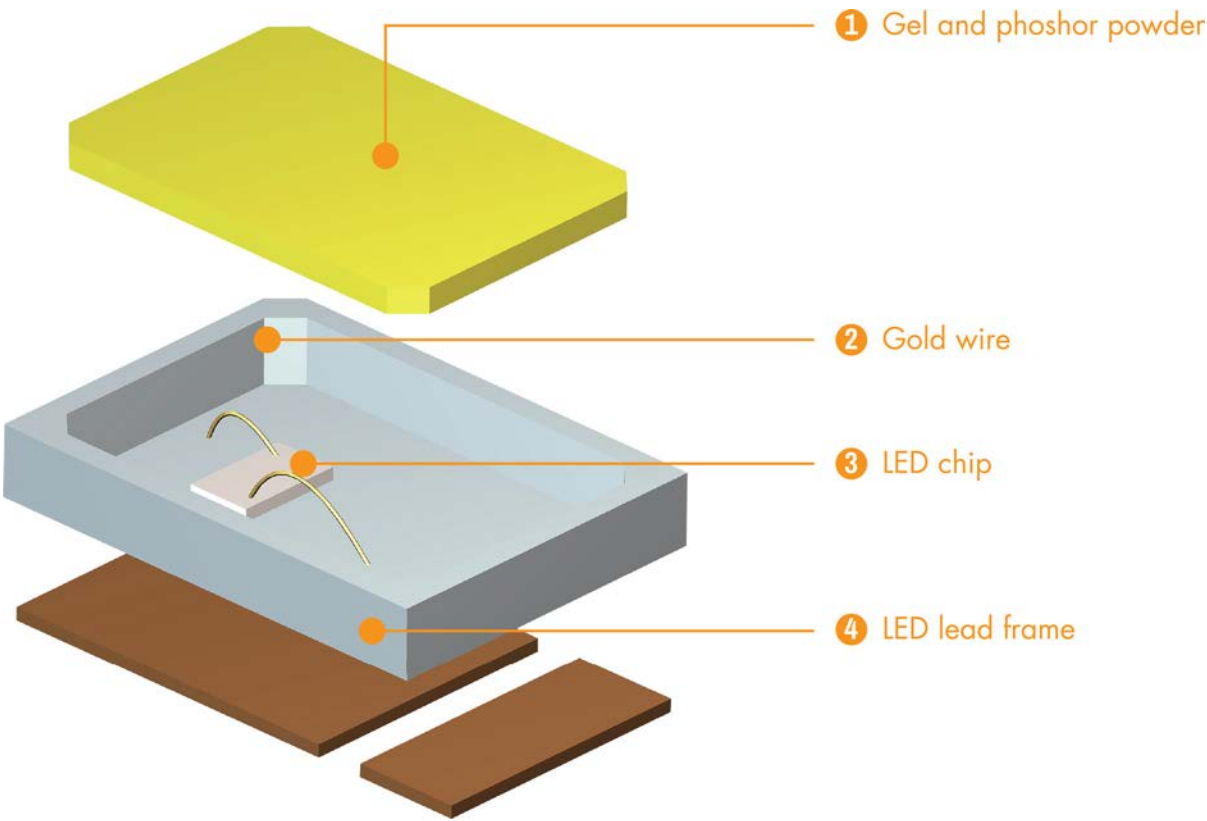


5-step MacAdam



7-step MacAdam

The Difference Within a TruLED LED



TruLED Quality Standard

- 1. Intematix or Branded Phosphor Powder
- 2. 99.99 % purity gold wire, diameter at 1.0UM or above
- 3. Epistar or San'an chips
- 4. Non-reconditioned plastic, pure copper LED bracket

Price Focused Competitors

- 1. Poor phosphor allocation in LEDs produce inconsistent color, luminance decay, and fast color shift
- 2. Copper, aluminum or alloy wire, poor welding and connections increase heat resistance and poor stability
- 3. Round, rough, and sometimes small sized slice, undisclosed brand or "fake" Epistar
- 4. Usually reconditioned nozzle plastic, iron lead frame, small silver connection pads, and thin structural walls

FPC Manufacturing Procedure

TruLED Quality Standard

Coverlay

Both top and bottom layer are covered by PI film, which offers protection for the copper layer, enhanced tension, high toughness, and bending resistance.

Copper

Thickness strictly conforms to standard, 1 oz \geq 35UM, 2 oz \geq 70UM, 3 oz \geq 105UM, which has the advantage of low voltage drop, high electric and thermal conductivity.

Guide Hole

Copper thickness \geq 100UM, electroplating process, uniform wall thickness, no burr.

Price Focused Competitors

Coverlay

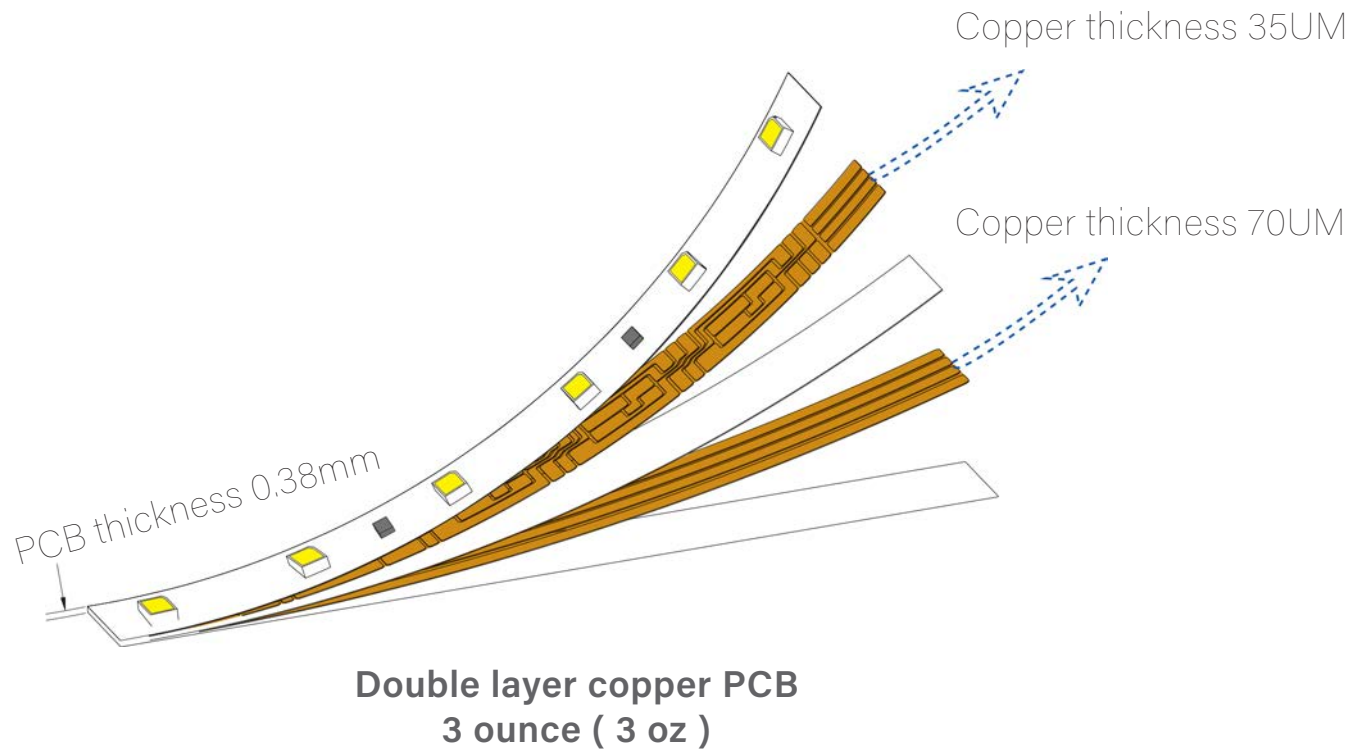
Only bottom layer has PI film, top layer lacks PI film but is coated with oil.

Copper

Less than standard thickness.

Guide Hole

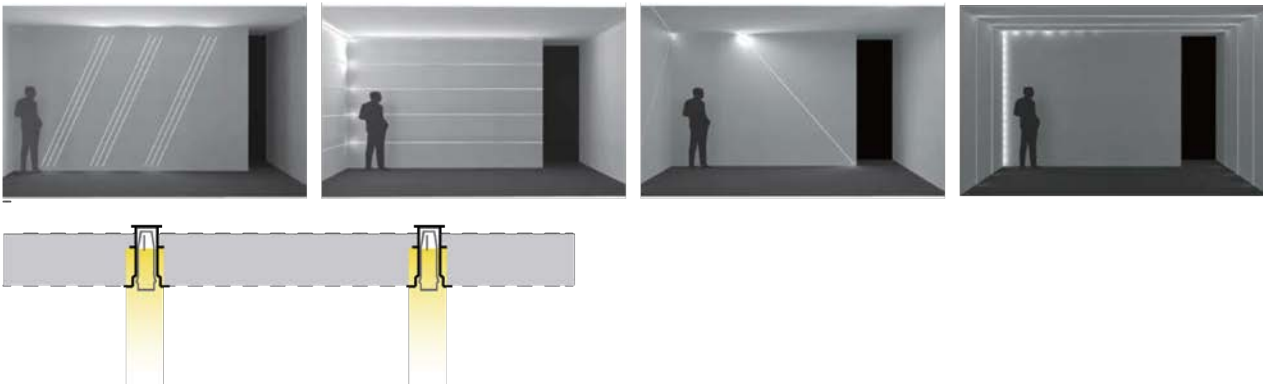
Insufficient copper and wall thickness, copper deposition process.



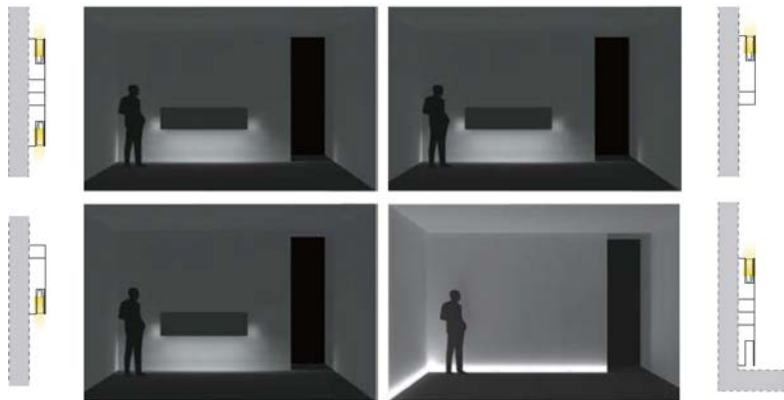
Application and Installation

Outline Lighting

This applications allows for impressive decorative effects on walls and false ceilings.

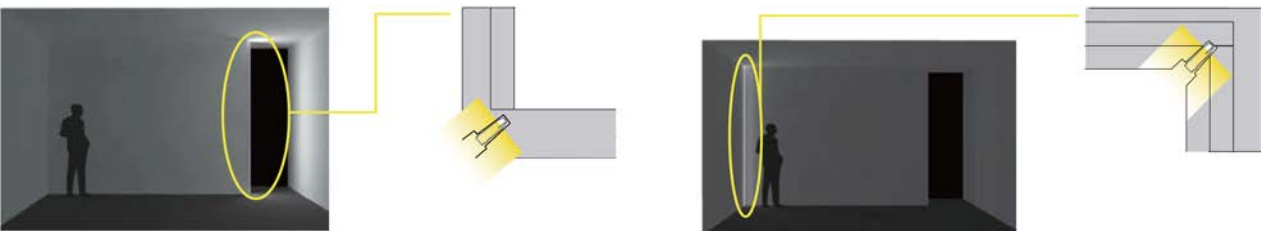


Background Lighting



90° Outer / Inner Angular Installation

The angular profiles, whether inner or outer, may be installed on plasterboard walls or on existing masonry.





Products

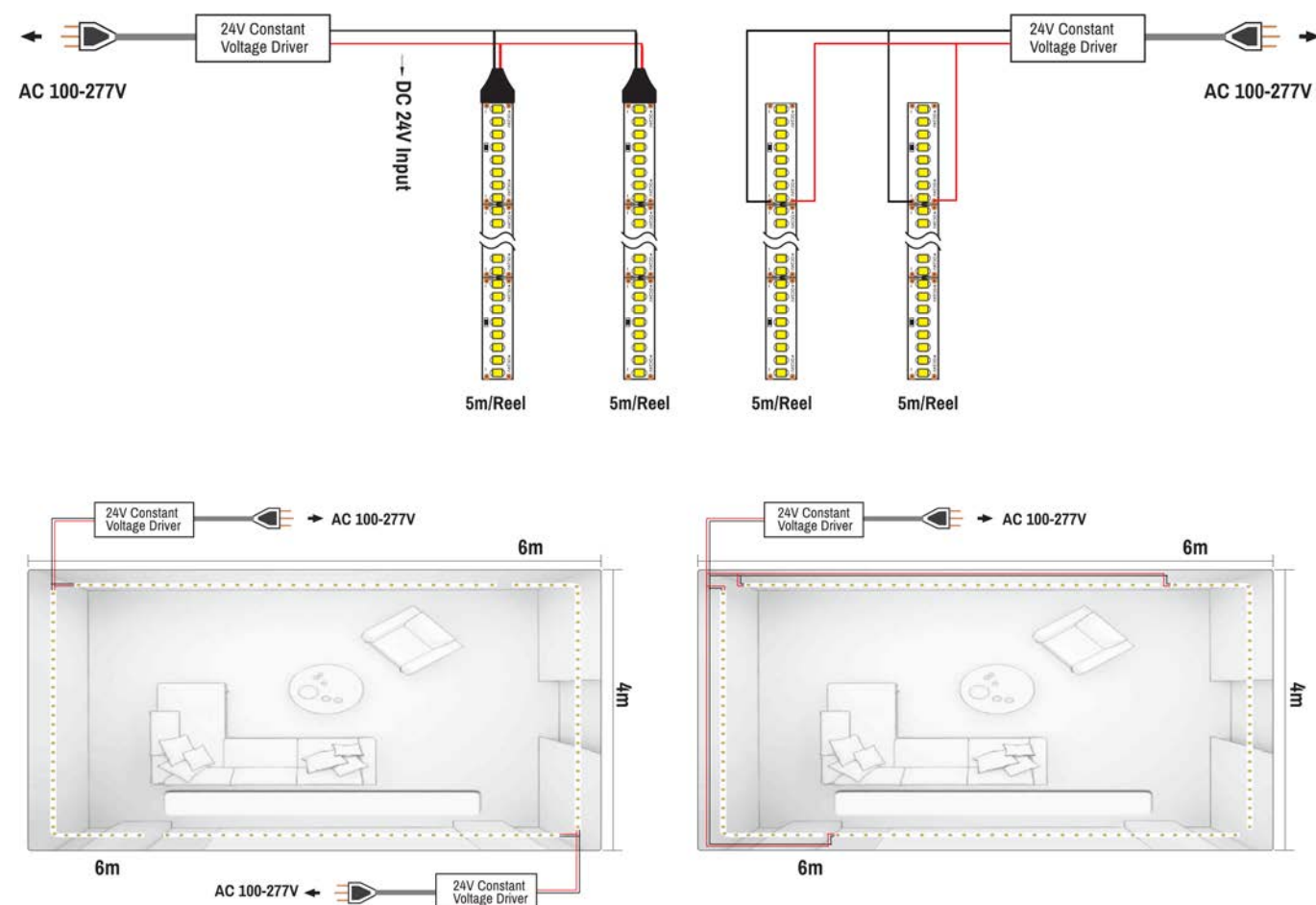
Overview

Our LEDs are designed to be application specific, allowing you to easily choose the best lighting to meet your needs. This page provides a brief overview of each product series.



Wiring Diagram Application

Single end power input for 5 meters or power from middle of strip



HE Series - High Efficiency

The HE series offers more light with lower wattage and maximum efficiency.

HL Series - High Lumen

Increase lighting where it's needed most. HL Series outshines other LEDs as the right light for any task.

HD Series - High Definition CRI 95+

Illuminate true and vibrant colors. The HD Series is perfect for creating a focal point with light.

HN Series - High Natural CRI 95+ R9, R12 90+ (Full Spectrum)

Replicate more of the sun's full spectrum of light. HN Series brings the outdoor experience to the indoors.

CCT Series - Color Tunable White (Requires Controller)

Adjustable color temperature. Adjust color based on the time of day or application with the CCT series.

RGB & RGB+W Series (Requires Controller)

Color changing. Create varying color combinations for impactful lighting with the RGB & RGB+W Series.

Addressable Series

Specialty Series

LED Covers

Connectors 22-18 AWG Max. Current 4A

Power Supplies / Dimmer

HE Series - High Efficiency

The HE series offers more light with lower wattage and maximum efficiency.

HE Series - High Efficiency

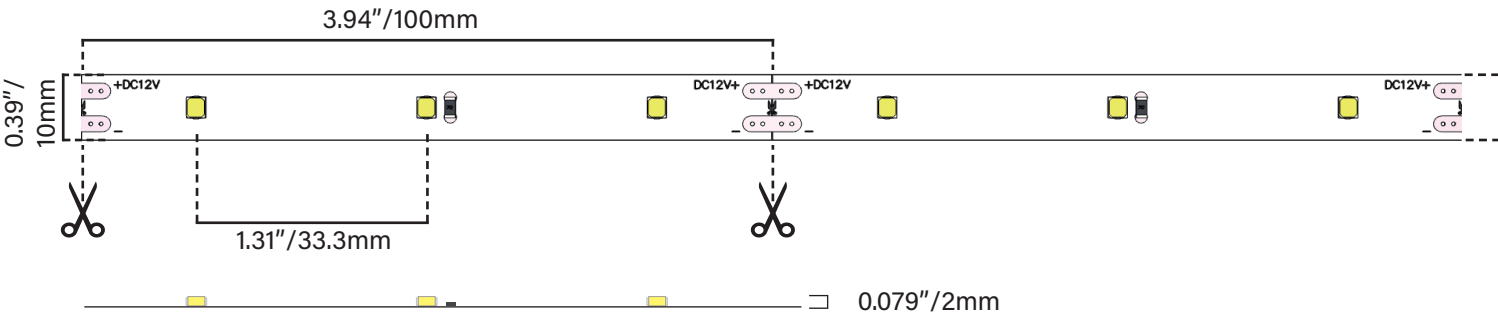
Model No.: HE-12ALXX.84

Product Description

High Efficiency LEDs provide more light with lower wattage, delivering beautiful results with maximum efficiency. Ambient light.

TruLED Tape Light is mounted on a double layer 2oz (top-layer 1oz, bottom-layer 1oz); using high CRI(Ra)>80, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 27 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 9 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	12V DC
Power	0.84W/FT
CRI (Ra)	80+
Lumen	80-105LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K

 OR

3000K

 OR

4000K

 OR

5000K

 OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



HE Series - High Efficiency

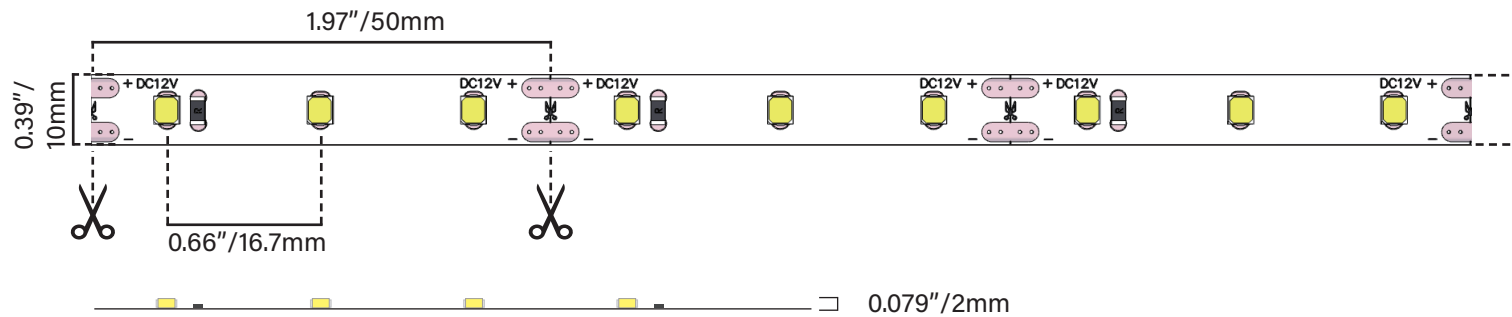
Model No.: HE-12NBXX1.5

Product Description

High Efficiency LEDs provide more light with lower wattage, delivering beautiful results with maximum efficiency. Normal bright.

TruLED Tape Light is mounted on a double layer 2oz (top-layer 1oz, bottom-layer 1oz); using high CRI(Ra)>90, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 27 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

HE Series - High Efficiency

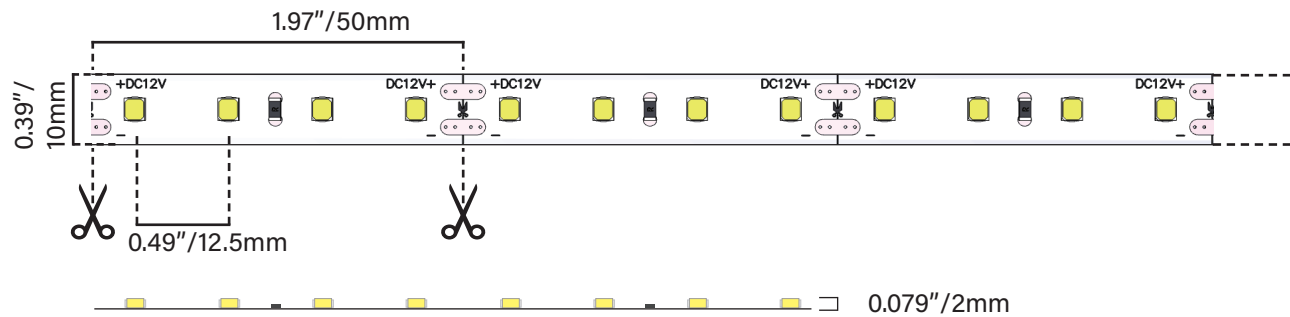
Model No.: HE-12SBXX3.0

Product Description

High Efficiency LEDs provide more light with lower wattage, delivering beautiful results with maximum efficiency. Super bright.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>80, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 27 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 24 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

HE Series - High Efficiency

Model No.: HE-24UBXX3.0

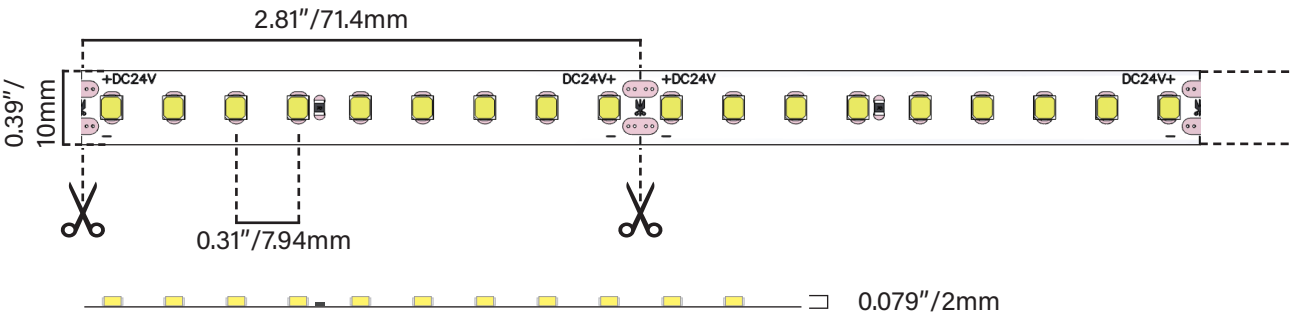
Product Description

High Efficiency LEDs provide more light with lower wattage, delivering beautiful results with maximum efficiency. Ultra bright.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>80, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 27 ft



Dimensions



Product Features

- 16.4 FT/Reel
- 38 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	24V DC
Power	3W/FT
CRI (Ra)	80+
Lumen	510-612LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



HL Series - High Lumen

Increase lighting where it's needed most. HL Series outshines other LEDs as the right light for any task.

HL Series - High Lumen

Model No.: HL-24NBXX5.0

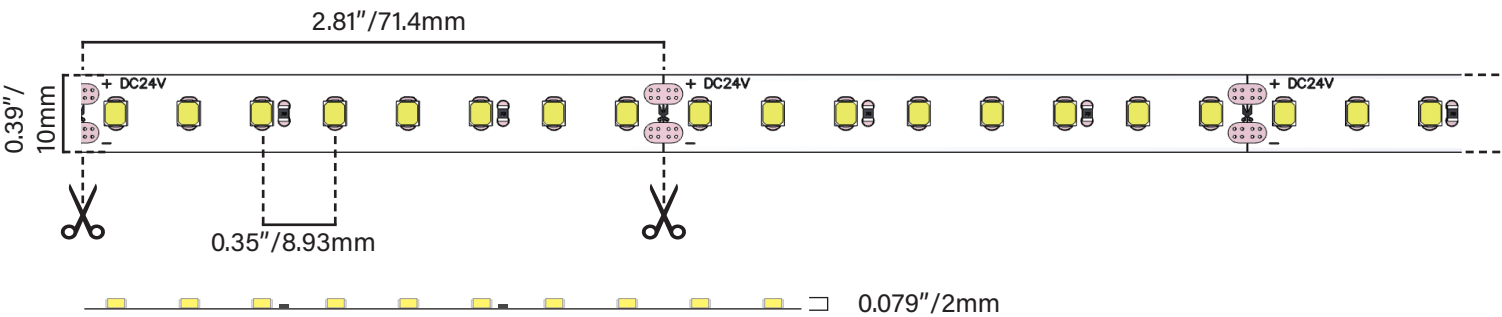
Product Description

Our High Lumen LEDs increase lighting where it's needed most. The HL series offers bright lighting that is perfect for any task. Normal bright.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>80, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 8 ft



Dimensions



Product Features

- 16.4 FT/Reel
- 34 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	24V DC
Power	5W/FT
CRI (Ra)	80+
Lumen	655-730LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K

 OR

3000K

 OR

4000K

 OR

5000K

 OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



HL Series - High Lumen

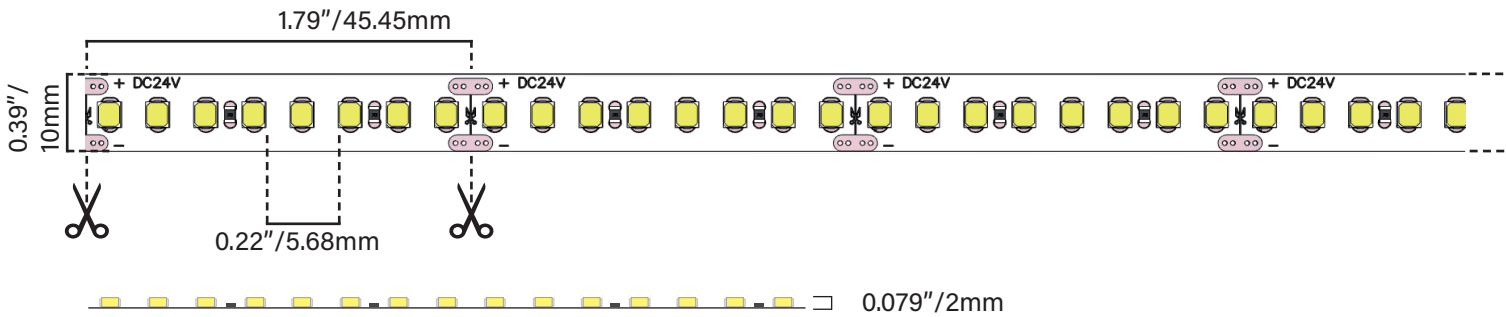
Model No.: HL-24SBXX5.8

Product Description

Our High Lumen LEDs increase lighting where it's needed most. The HL series offers bright lighting that is perfect for any task. Super bright.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>80, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 8 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 54 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	24V DC
Power	5.8W/FT
CRI (Ra)	80+
Lumen	880-1050LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

HL Series - High Lumen

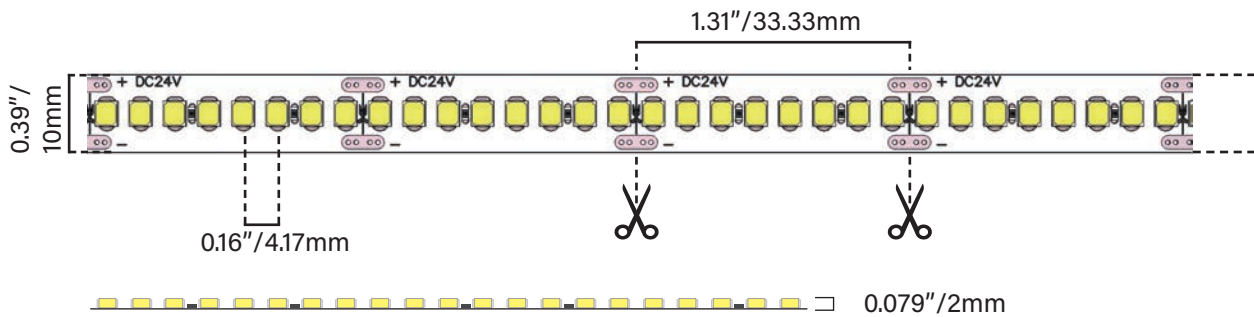
Model No.: HL-24UBXX7.0

Product Description

Our High Lumen LEDs increase lighting where it's needed most. The HL series offers bright lighting that is perfect for any task. Ultra bright.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>80, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 8 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 73 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	24V DC
Power	7W/FT
CRI (Ra)	80+
Lumen	1050-1180LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

HD Series - High Definition CRI 95+

Illuminate true and vibrant colors. The HD Series is perfect for creating a focal point with light.

HD Series - High Definition

Model No.: HD-24NBXX4.4

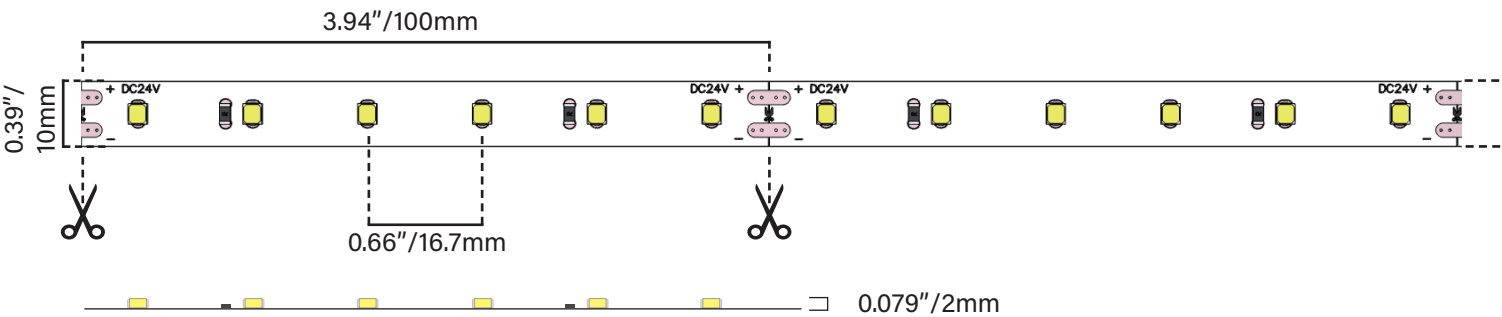
Product Description

Our High Definition LEDs illuminate true and vibrant colors, making for a perfect focal point light. Normal bright. CRI 95+

TruLED Tape Light is mounted on a double layer 2oz (top-layer 1oz, bottom-layer 1oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft



Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	24V DC
Power	4.4W/FT
CRI (Ra)	95+
Lumen	300-360LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



HD Series - High Definition

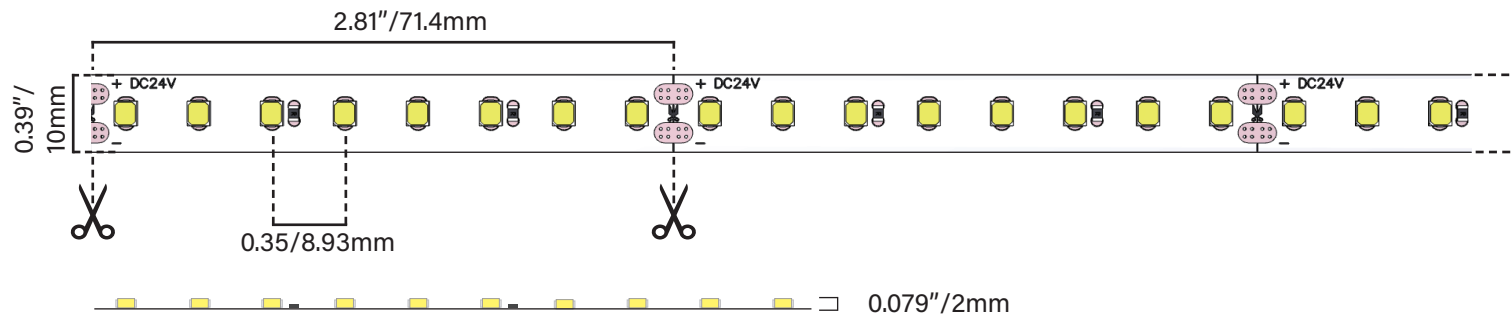
Model No.: HD-24SBXX5.0

Product Description

Our High Definition LEDs illuminate true and vibrant colors, making for a perfect focal point light. Super bright. CRI 95+

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 34 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



HD Series - High Definition

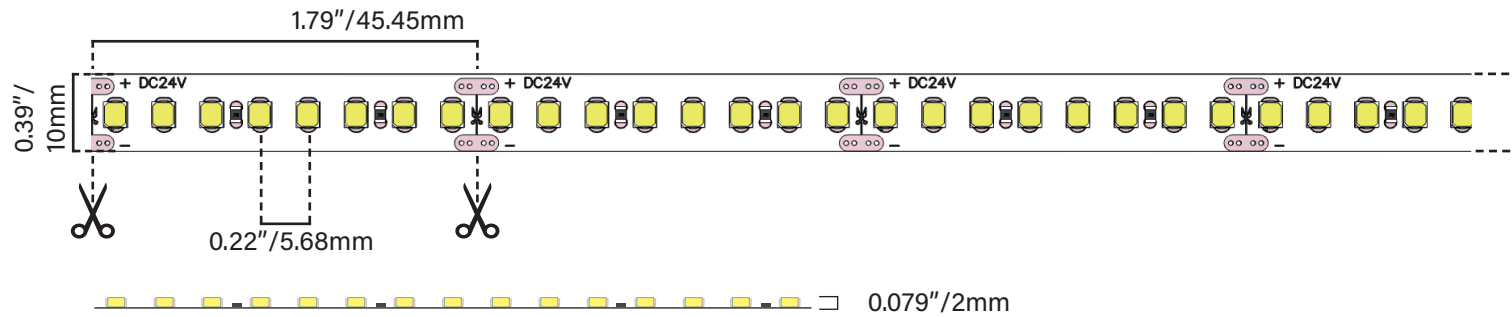
Model No.: HD-24UBXX5.8

Product Description

Our High Definition LEDs illuminate true and vibrant colors, making for a perfect focal point light. Ultra bright. CRI 95+

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 54 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



Specifications

Input Voltage	24V DC
Power	5.8W/FT
CRI (Ra)	95+
Lumen	604-685LM/FT
Beam Angle	120 Degree

Specifications

Input Voltage	24V DC
Power	5W/FT
CRI (Ra)	95+
Lumen	550-605LM/FT
Beam Angle	120 Degree

HN Series - High Natural CRI 95+ R9, R12 90+ (Full Spectrum)

Replicate more of the sun’s full spectrum of light. HN Series brings the outdoor experience to the indoors.

HN Series - High Natural (Full Spectrum)

Model No.: HN-12NBXX2.2

Product Description

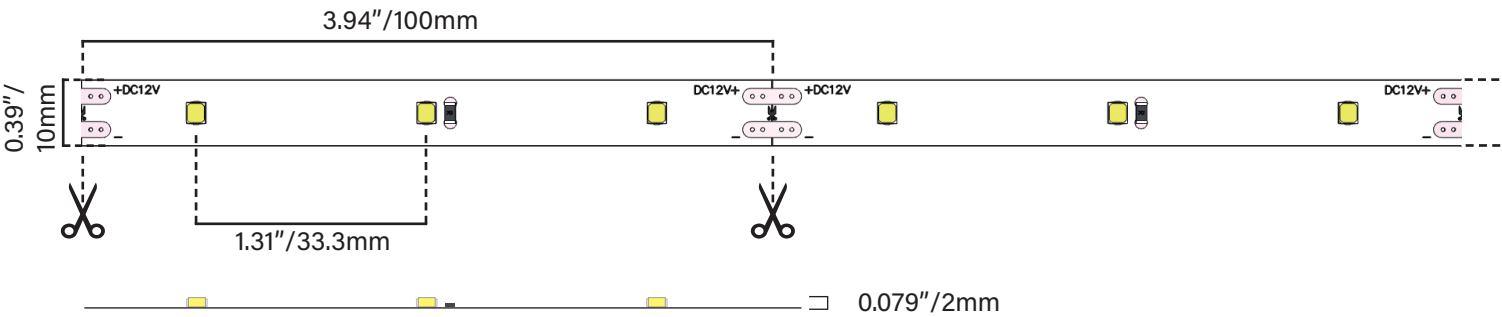
High Natural Full Spectrum LEDs offer superior color accuracy that mimics natural daylight. Normal bright. CRI 95+ R9, R12 90+

TruLED Tape Light is mounted on a double layer 2oz (top-layer 1oz, bottom-layer 1oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft



UL
LISTED
E507355

Dimensions



Product Features

- 16.4 FT/Reel, Max Length 23FT
- 9 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	12V DC
Power	2.2W/FT
CRI (Ra)	95+
Lumen	130-150LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K

 OR

3000K

 OR

4000K

 OR

5000K

 OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

HN Series - High Natural (Full Spectrum)

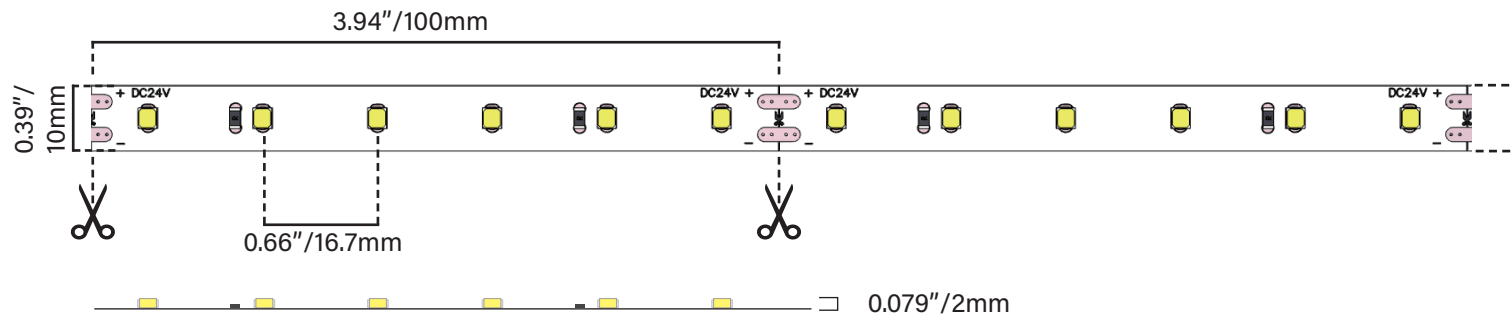
Model No.: HN-24SBXX4.4

Product Description

High Natural Full Spectrum LEDs offer superior color accuracy that mimics natural daylight. Super bright. CRI 95+ R9, R12 90+

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin

2700K

 OR

3000K

 OR

4000K

 OR

5000K

 OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

HN Series - High Natural (Full Spectrum)

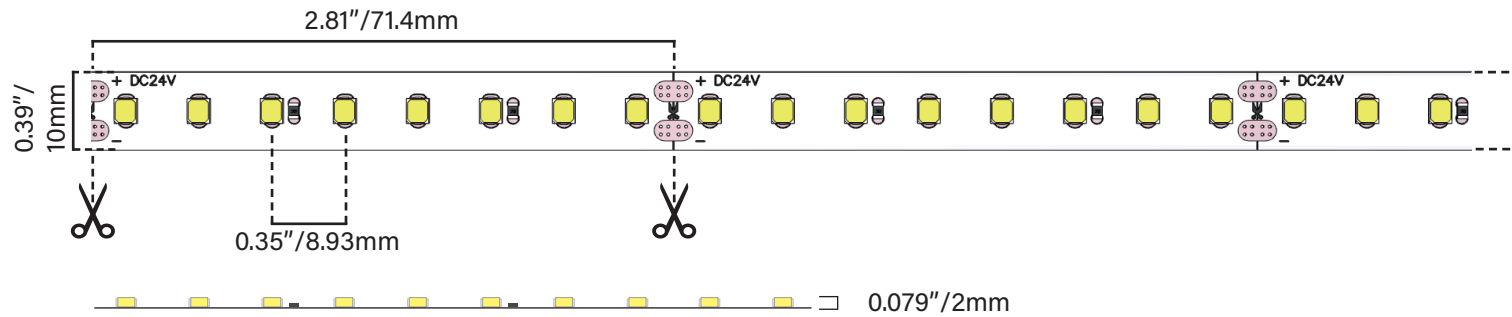
Model No.: HN-24UBXX5.0

Product Description

High Natural Full Spectrum LEDs offer superior color accuracy that mimics natural daylight. Ultra bright. CRI 95+ R9, R12 90+

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin

2700K

 OR

3000K

 OR

4000K

 OR

5000K

 OR

6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



CCT Series - Color Tunable White

Adjustable color temperature. Adjust color based on the time of day or application with the CCT series. Requires controller.

CCT Series - Color Tunable White

Model No.: CCT-12NB.84-1.68

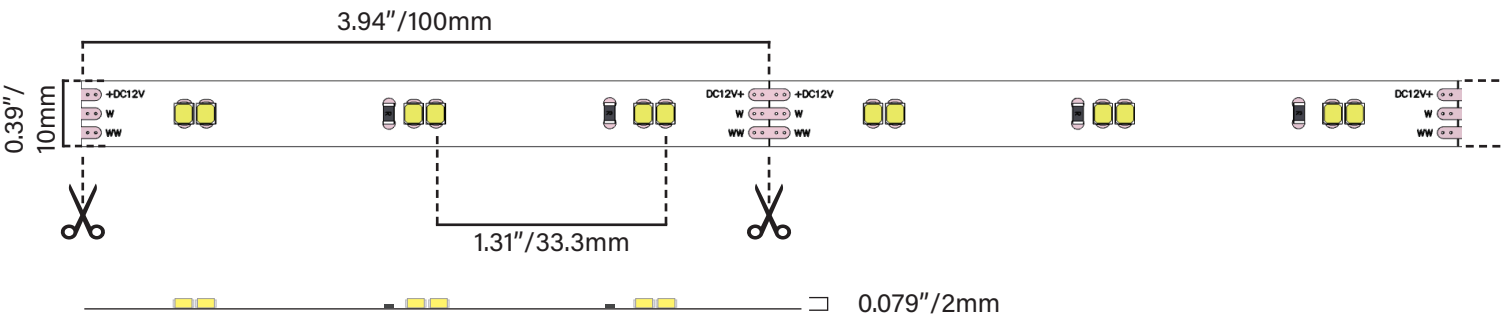
Product Description

Our CCT color tunable LEDs allow you to control the color temperature of your lights. Normal bright. Requires controller.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>80, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft



Dimensions



Product Features

- 16.4 FT/Reel, max 23FT
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	12V DC
Power	0.84-1.68W/FT
CRI (Ra)	80+
Lumen	80-210LM/FT
Beam Angle	120 Degree

CCT Kelvin

2700K	3000K	4000K	5000K	6000K
-------	-------	-------	-------	-------

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



CCT Series - Color Tunable White

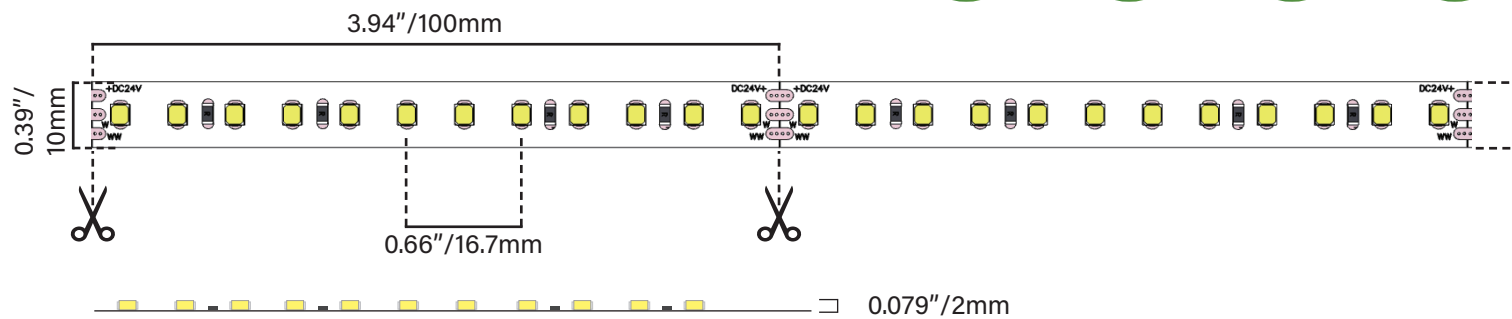
Model No.: CCT-24SB3.0/5.5

Product Description

Our CCT color tunable LEDs allow you to control the color temperature of your lights. Super bright. Requires controller.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft

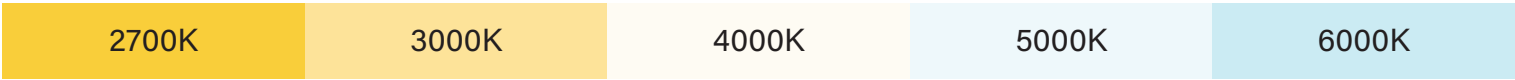
Dimensions



Product Features

- 16.4 FT/Reel
- 36 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin



Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

CCT Series - Color Tunable White

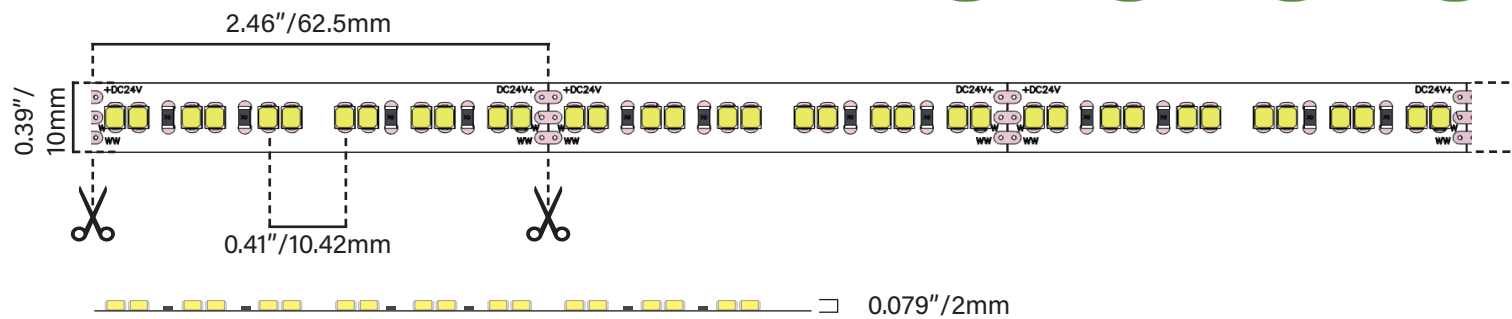
Model No.: CCT-24UB3.5/7.0

Product Description

Our CCT color tunable LEDs allow you to control the color temperature of your lights. Ultra bright. Requires controller.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high CRI(Ra)>95, high lighting efficiency SMD2835 as lighting source. Maximum continuous run length: 16.4 ft

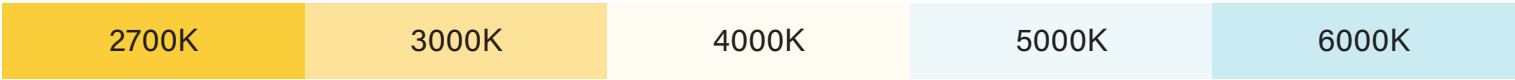
Dimensions



Product Features

- 16.4 FT/Reel
- 58 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

CCT Kelvin



Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

RGB & RGB+W Series

Color Changing. Create varying color combinations for impactful lighting with the RGB & RGB+W Series. Requires controller.

RGB & RGB+W Series

Model No.: RGB-12NB2.2

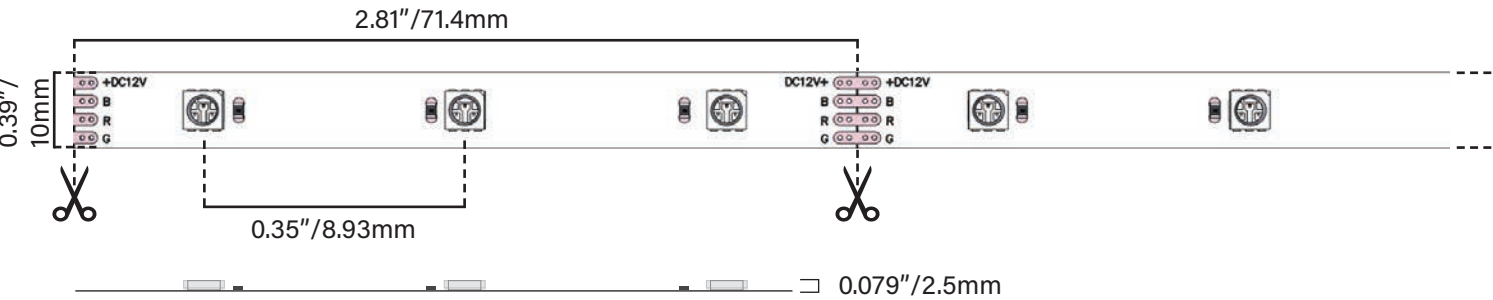
Product Description

Bring color into your space with our RGB LED tape. With a wide range of vibrant colors for you to choose from, the possibilities are endless. No white light. Normal bright. Requires controller.

TruLED Tape Light is mounted on a double layer 2oz (top-layer 1oz, bottom-layer 1oz); using high brightness SMD5050 RGB as lighting source. Maximum continuous run length: 16.4 ft



Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	12V DC
Power	2.2W/FT
CRI (Ra)	N/A
Lumen	80LM/FT
Beam Angle	120 Degree

Color



RGB & RGB+W Series

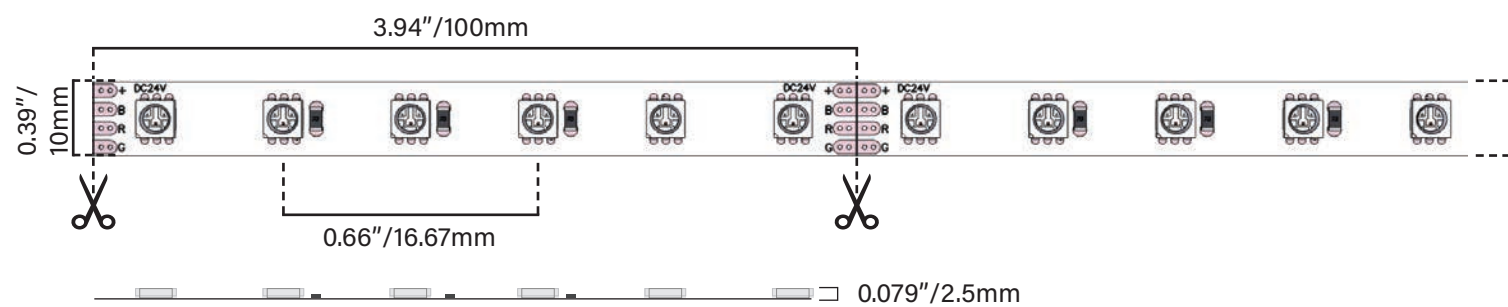
Model No.: RGB-24SB4.4

Product Description

Bring color into your space with our RGB LED tape. With a wide range of vibrant colors for you to choose from, the possibilities are endless. No white light. Super bright. Requires controller.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high brightness SMD5050 RGB as lighting source. Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Color



Specifications

Input Voltage	24V DC
Power	4.4W/FT
CRI (Ra)	N/A
Lumen	165LM/FT
Beam Angle	120 Degree

RGB & RGB+W Series

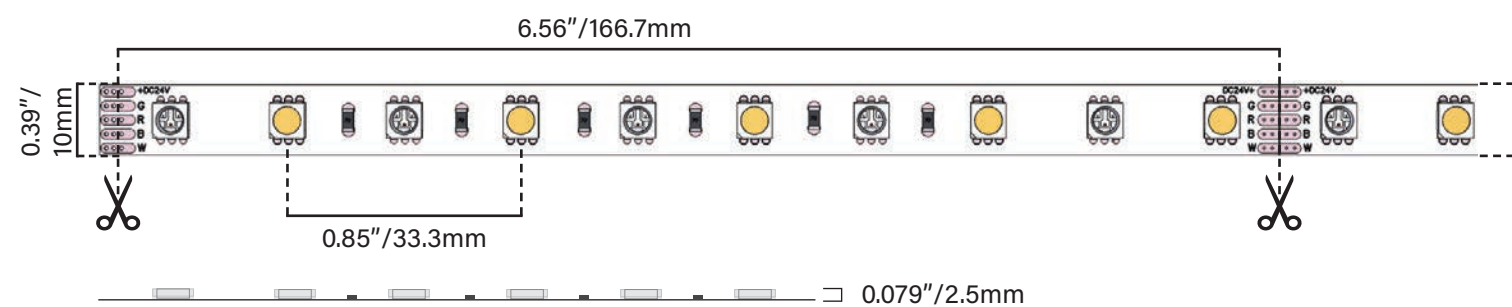
Model No.: RGB/W-24NBXX4.4

Product Description

This RGB+W tape offers color customization as well as white light. With a wide range of customizable colors to choose from, the possibilities are endless. Normal bright. Requires controller.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high brightness SMD5050 RGB and White as lighting source. Maximum continuous run length: 16.4 ft

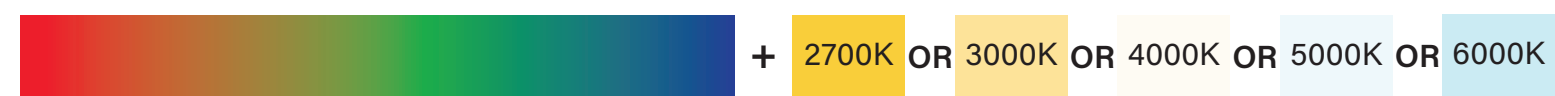
Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Color



Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



Specifications

Input Voltage	24V DC
Power	4.4W/FT
CRI (Ra)	90+
Lumen	80-250LM/FT
Beam Angle	120 Degree

RGB & RGB+W Series

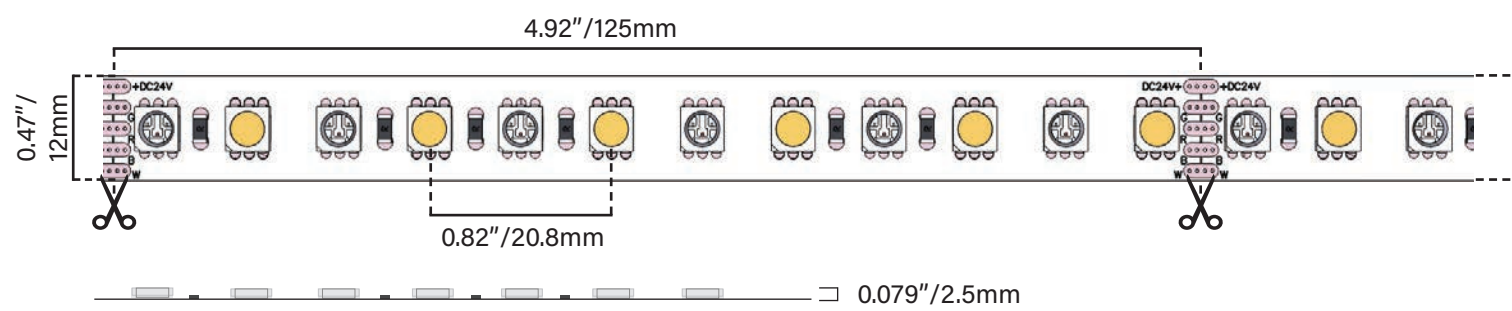
Model No.: RGB/W-24SBXX7.0

Product Description

This RGB+W tape offers color customization as well as white light. With a wide range of customizable colors to choose from, the possibilities are endless. Super bright. Requires controller.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high brightness SMD5050 RGB and White as lighting source. Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Color



Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.

RGB & RGB+W Series

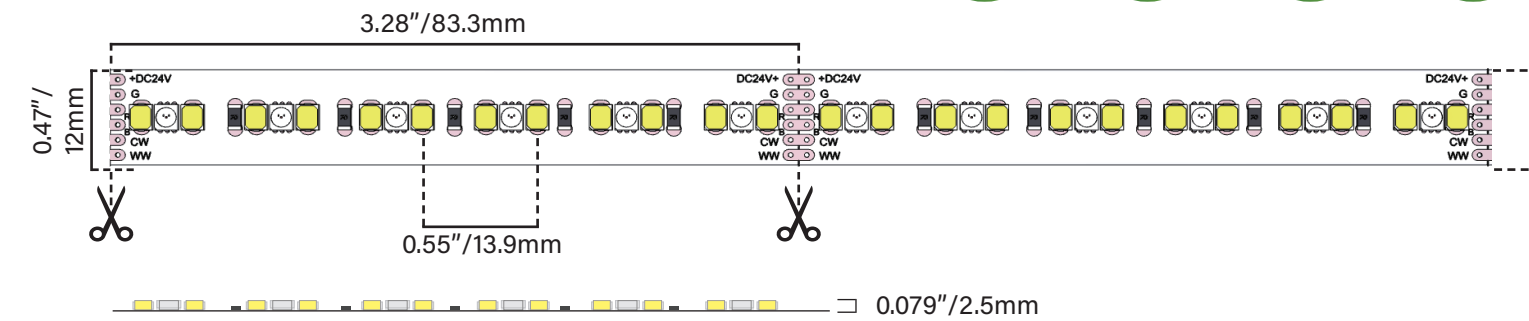
Model No.: RGB/CCT-24SB10.5

Product Description

This RGB + CCT customizable LED allows you to control the color of your lights, and control the color temperature of the white lights. Super Bright. Requires controller.

TruLED LED Strip is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); uses smaller 2835RGB, it's better for projects. Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 66 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Color + CCT Kelvin



Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



Addressable Series

Digital Addressable Pixel Control allows you to control and customize RGB and RGB+W LEDs. Requires controller.

Addressable Series

Model No.: ARGB-5NB3.7

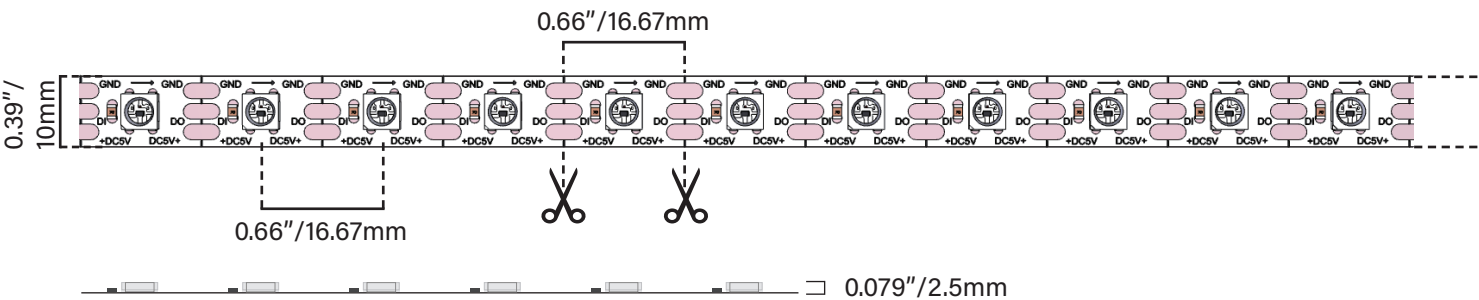
Product Description

Experience the allure of dream lighting with our Addressable RGB LED series. Customize each single LED with a different color for endless combinations of custom lighting. Normal bright.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high brightness SMD5050 addressable RGB as lighting source. Maximum continuous run length: 8 ft



Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 3 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- SPI Signal

Specifications

Input Voltage	5V DC
Power	3.7W/FT
Drive Chip	SK6812
Lumen	/
Beam Angle	120 Degree

Color



Addressable Series

Model No.: ARGB-12SB4.4

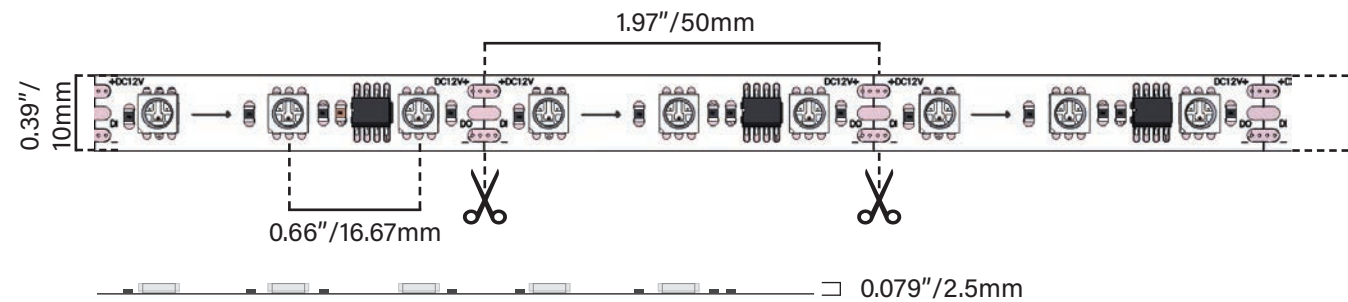
Product Description

Experience the allure of dream lighting with our Addressable RGB LED series. Customize each 3 LED segment with a different color for endless combinations of custom lighting. Super bright.

TruLED Tape Light is mounted on a double layer 2oz (top-layer 1oz, bottom-layer 1oz); using high brightness SMD5050 RGB as lighting source. Maximum continuous run length: 8 ft



Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- SPI Signal

Specifications

Input Voltage	12V DC
Power	4.4W/FT
Drive Chip	WS2811
Lumen	165LM/FT
Beam Angle	120 Degree

Color



Addressable Series

Model No.: ARGB/W-5NB4.4

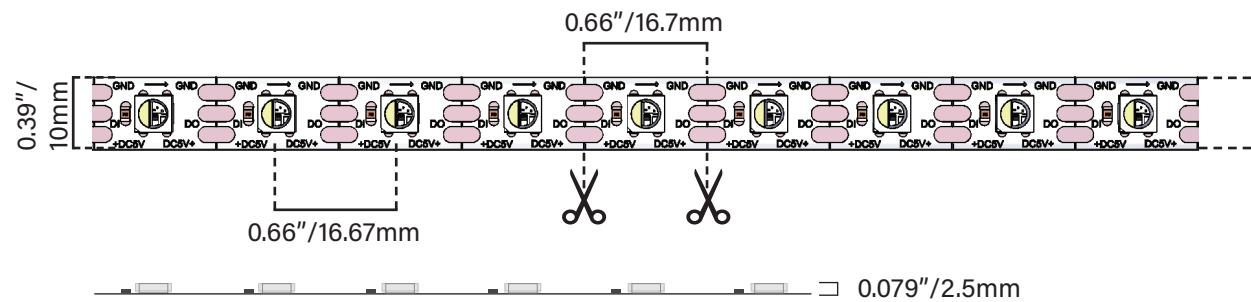
Product Description

Experience the allure of dream lighting with our Addressable RGB LED series. Customize each single LED with a different color for endless combinations of custom lighting. Normal bright.

TruLED Tape Light is mounted on a double layer 3oz (top-layer 1oz, bottom-layer 2oz); using high brightness SMD5050 RGBW addressable LED as lighting source. Maximum continuous run length: 8 ft



Dimensions



Product Features

- 16.4 FT/Reel
- 18 LEDs/FT
- 3 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- SPI Signal

Specifications

Input Voltage	5V DC
Power	4.4W/FT
Drive Chip	SK6812
Lumen	/
Beam Angle	120 Degree

Color



Specialty Series

Do you have something unique in mind for your home's lighting? We offer specialty lighting solutions to meet the needs of each client.



Specialty Series

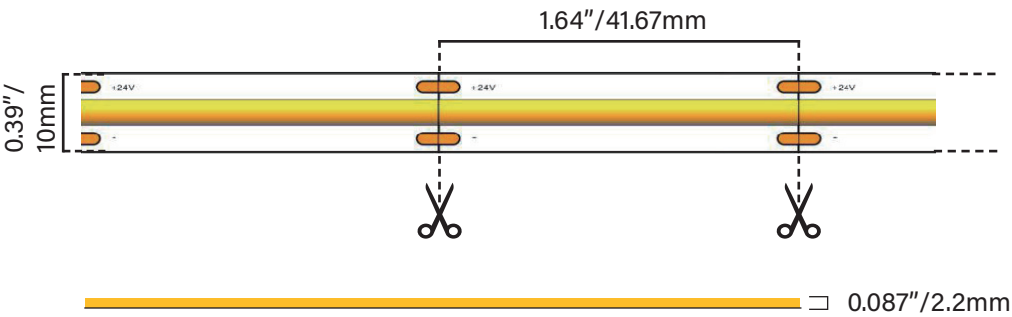
Model No.: S-COB-24SBXX4.4

Product Description

New COB LED Technology offers seamless linear lighting. An extremely low profile and flexible strip solution that is ideal for light without LED hotspots. No diffuser cover required. Super bright.

FCOB Tech which all chips are mounted on a double layer 2oz (top-layer 1oz, bottom-layer 1oz), dot-free, reaching 180 degree beam angle, high density 504 chips per meter.
Maximum continuous run length: 16.4 ft

Dimensions



Product Features

- 16.4 FT/Reel
- 154 Chips/FT
- 5 Years Warranty
- Waterproof Options (IP20/IP65/IP67/IP68)
- PWM, 0-10V dimmable

Specifications

Input Voltage	24V DC
Power	4.4W/FT
CRI (Ra)	90+
Lumen	320-410LM/FT
Beam Angle	180 Degree

CCT Kelvin

2700K

OR

3000K

OR

4000K

OR

5000K

OR

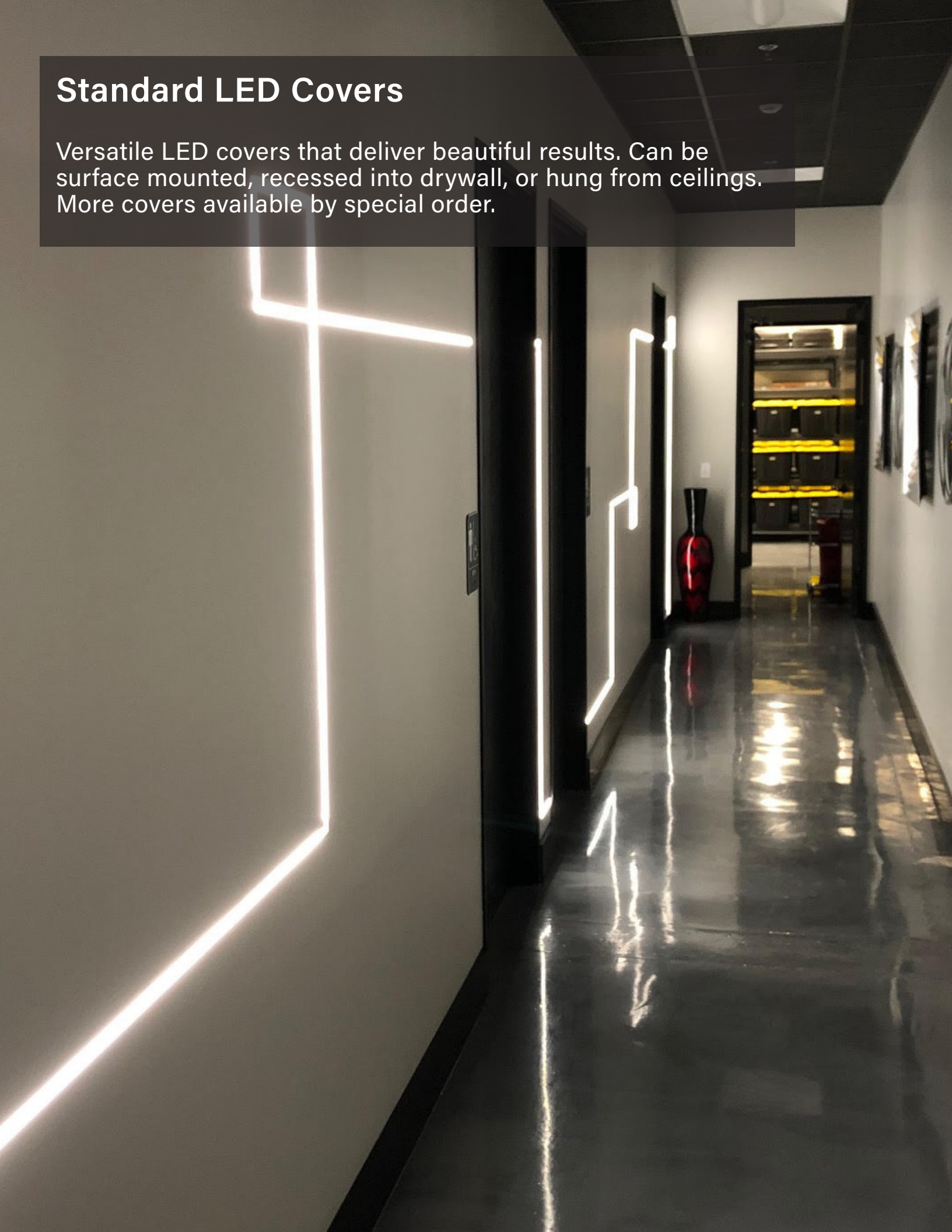
6000K

Note: Other CCT can be customized, such as 1800-2000K, 2000-2200K, etc.



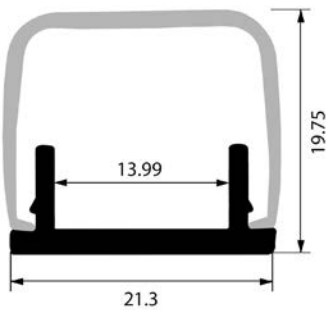
Standard LED Covers

Versatile LED covers that deliver beautiful results. Can be surface mounted, recessed into drywall, or hung from ceilings. More covers available by special order.



Flawless Finish | AL-2119

Specially engineered to deliver the most aesthetically pleasing lighting results. Hides individual LED's allowing for smooth, seamless lighting. Great for surface mount or hanging lights, can also be used for recessed lighting.



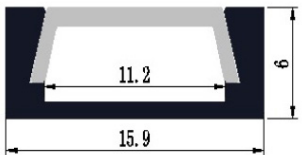
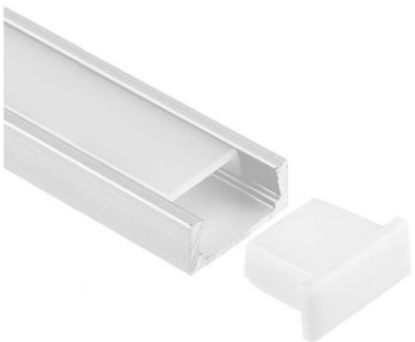
Length: 4FT
AL Profile: 4FT/pcs

PC Cover: 4FT/pcs
End Caps: 2pcs/set

Max. PCB Width: 12mm

Low Profile | AL-1506

A small LED cover for low-profile installations such as cabinet installations, counter installations, and more.



Length: 3.28FT
AL Profile: 3.28FT/pcs

PC Cover: 3.28FT/pcs
End Caps: 2pcs/set

Clips: 2pcs/set
Max. PCB Width: 11mm

Connectors

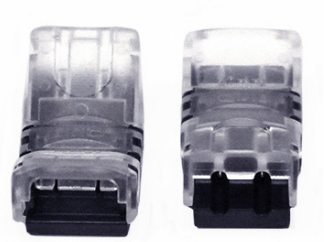
22 - 18 AWG | Max. Current 4A

T-T2P



Connects single color LED tape strips to each other.
Tape to Tape 2PIN Connector 10mm

T-W2P



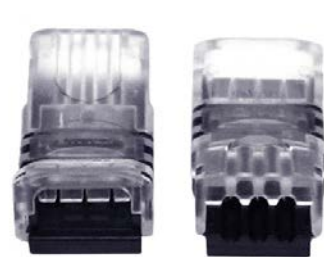
Connects single color LED tape strips to wiring.
Tape to Wire 2PIN Connector 10mm

CCT/T-T3P



Connects CCT tunable LED tape strips to each other.
CCT Tape to Tape 3PIN Connector 10mm

CCT/T-W3P



Connects CCT tunable LED tape to wiring.
CCT Tape to Wire 3PIN Connector 10mm

RGB/T-T4P



Connects RGB LED tape strips to each other.
RGB Tape to Tape 4PIN Connector 10mm

RGB/T-W4P



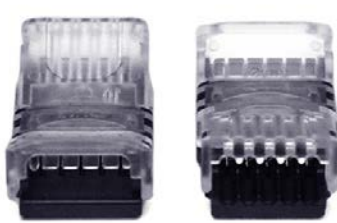
Connects RGB LED tape strips to wiring.
RGB Tape to Wire 4PIN Connector 10mm

RGBW/T-T5P



Connects RGB+W LED tape strips to each other.
RGB+W Tape to Tape 5PIN Connector 12mm

RGBW/T-W5P



Connects RGB+W LED tape to wiring.
RGB+W Tape to Wire 5PIN Connector 12mm

Power Supplies / Dimmer

12V-200W-D



12VDC 200W Power Supply Dimmable
AC Triac dimming. Waterproof Rating: IP67

24V-300W-D



24VDC 300W Power Supply Dimmable
AC Triac dimming. Waterproof Rating: IP67

IWD-3W100WW



In Wall Décor Dimmer 12/24VDC 100W PWM
3-Way (White) DC ONLY

Pricing

All LEDs are 16.4 FT/Roll unless otherwise specified.

HE Series - High Efficiency			Available in 80 to 600 LM/FT
More light with lower wattage & max efficiency using the HE Series			
Model	Description		MSRP
Ambient Light: HE-12ALXX.84	12 VDC .84 W, 80-105 LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K (36 FT/Roll)		\$105.00
Normal Bright: HE-12NBXX1.5	12 VDC 1.5 W, 130-150 LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$68.00
Super Bright: HE-12SBXX3.0	12VDC 3W, 400-460LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$112.50
Ultra Bright: HE-24UBXX3.0	24VDC 3W, 510-612LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$148.00

HL Series - High Lumen			Available in 655 to 1180 LM/FT
Increase lighting where it's needed most. HL Series outshines other LEDs as the right light for any task.			
Model	Description		MSRP
Normal Bright: HL-24NBXX5.0	24VDC 5W, 655-730LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$125.00
Super Bright: HL-24SBXX5.8	24VDC 5.8W, 880-1050LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$189.00
Ultra Bright: HL-24UBXX7.0	24VDC 7W, 950-1180LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$250.00

HD Series - High Definition CRI 95 ⁺			Available in 330 to 685 LM/FT
Illuminate true and vibrant colors. HD Series is perfect for creating a focal point with light.			
Model	Description		MSRP
Normal Bright: HD-24NBXX4.4	24VDC 4.4W, 300-360LM/FT.2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$112.50
Super Bright: HD-24SBXX5.0	24VDC 5W, 550-605LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$169.00
Ultra Bright: HD-24UBXX5.8	24VDC 5.8W, 604-685LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$196.00

HN Series - High Natural CRI 95 R9, R12 90 (Full Spectrum)			Available in 130 to 520 LM/FT
Replicate more of the sun's full spectrum of light. HN Series brings the outdoor experience to the indoors.			
Model	Description		MSRP
Normal Bright: HN-12NBXX2.2	24VDC 2.2W, 130-150LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$102.00
Super Bright: HN-24SBXX4.4	24VDC 4.4W, 220-260LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$136.00
Ultra Bright: HN-24UBXX5.0	24VDC 5W, 488-520LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K		\$278.00

CCT Series - Color Tunable White (Requires Controller)		Available in 80 to 540 LM/FT
Adjustable color temperature. Adjust color based on the time of day or application with the CCT series.		
Model	Description	MSRP
Normal Bright: CCT-12NB.84/1.68	12VDC 0.84-1.68W, 80-210LM/FT. 3-PIN Connector CCT: 2700K - 6000K	\$125.00
Super Bright: CCT-24SB3.0/5.5	24VDC 3.0-5.5W, 210-430LM/FT. 3-PIN Connector CCT: 2700K - 6000K	\$158.00
Ultra Bright: CCT-24UB3.5/7.0	24VDC 3.0-5.5W, 210-430LM/FT. 3-PIN Connector CCT: 2700K - 6000K	\$212.00

RGB & RGB+W Series (Requires Controller)		
Color Changing. Create varying color combinations for impactful lighting with the RGB & RGB+W Series.		
Model	Description	MSRP
Normal Bright: RGB-12NB2.2	12VDC 2.2W, 80LM/FT. 4-PIN Connector (No White)	\$115.00
Super Bright: RGB-24SB4.4	24VDC 4.4W, 165LM/FT. 4-PIN Connector (No White)	\$180.00
Normal Bright: RGB/W-24NBXX4.4	24VDC 4.4W, 80-250LM/FT. 5-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K	\$180.00
Super Bright: RGB/W-24SBXX7.0	24VDC 7W, 135-285LM/FT. 5-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K	\$260.00
RGB+W CCT Tunable RGB/CCT-24SB10.5	24VDC 10.5W, 550LM/FT. 6-PIN Connector CCT: 2700K - 6000K	\$250.00

Addressable Series (Requires Controller)		
Digital Addressable Pixel Control allows you to control and customize RGB and RGB+W.		
Model	Description	MSRP
Addressable RGB ARGB-12SB4.4	Control every 3 LEDs. 12VDC 4.4W, 153 LM/FT. 4-PIN Connector (No White)	\$244.00
Addressable RGB ARGB-5NB3.7	Control each individual LED. 5VDC 3.7W 4-PIN Connector (No White)	\$264.00
Addressable RGB+W ARGB/W-5NBXX4.4	Control each individual LED. 5VDC 4.4W, 5-PIN Connector CCT: 2800K - 3200K	\$344.00

Specialty Series		
Specialty lighting.		
Model	Description	MSRP
Spotless COB S-COB-24SBXX4.4	Continuous LED strip. 24VDC 4.4W, 300 LM/FT. 2-PIN Connector CCT Available: 2700K, 3000K, 4000K, 5000K, 6000K	\$244.00

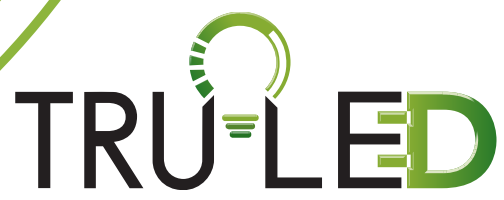
Connectors 22-18 AWG Max. Current 4A		
Model	Description	MSRP
T-W2P	Tape to Wire 2PIN Connector 10mm	\$3.00
HDT-W2P	High Density Tape to Wire Connector 10mm	\$3.00
CCT/T-W3P	CCT Tape to Wire 3PIN Connector 10mm	\$3.00
RGB/T-W4P	RGB Tape to Wire 4PIN Connector 10mm	\$3.50
RGBW/T-W5P	RGB+W Tape to Wire 5PIN Connector 12mm	\$4.00
RGBCCT/T-W6P	RGB+W CCT Tape to Wire 6PIN Connector 12mm	\$4.50
T-T2P	Tape to Tape 2PIN Connector 10mm	\$3.00
HDT-T2P	High Density Tape to Tape Connector 10mm	\$3.00
CCT/T-T3P	CCT Tape to Tape 3PIN Connector 10mm	\$3.00
RGB/T-T4P	RGB Tape to Tape 4PIN Connector 10mm	\$3.50
RGBW/T-T5P	RGB+W Tape to Tape 5PIN Connector 12mm	\$4.00
RGBCCT/T-T6P	RGB+W CCT Tape to Tape 6PIN Connector 12mm	\$4.50

Power Supplies / Dimmer		
*AC Triac dimming. IP67		
Model	Description	MSRP
12V-200W-D *	12VDC 200W Power Supply Dimmable	\$112.58
24V-300W-D *	24VDC 300W Power Supply Dimmable	\$137.50
MB-RGBCCT-CTRL	RGB+CCT Controller	\$30.00
MB-RGBCCT-RMT	RGB+CCT Remote	\$15.99
IWD-3W100WW	In Wall Décor Dimmer 12/24VDC 100W PWM 3-Way (White) DC ONLY	\$75.00

LED Covers		
Model	Description	MSRP
AL-2119	Flawless finish LED cover 4FT	\$56.00
AL-1506	Low profile cover 3.28FT	\$56.00

Products highlighted are common stock. Standard CCT is 3000K. Standard IP Rating is IP20.
All Tape Products come with 3M™ VHB™ (Very High Bond) Tape for superior adhesive installation





www.TruLED.net
sales@truLED.net