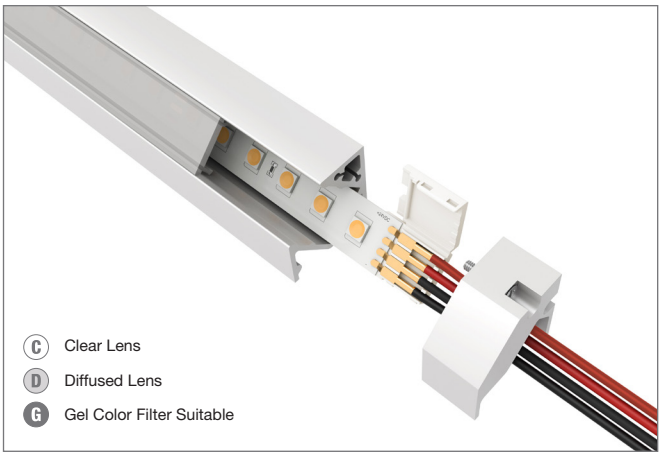
# LIGHT CHANNEL 45° DIY SURFACE MOUNT

24VDC LED TUNABLE WHITE, WARM DIM & RGB

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.23.22




C LC45 Light Channel Clear Lens

D LC45 Light Channel Diffused Lens

G LC45 Light Channel Diffused Lens with Gel Color Filter (provided by customer)

## FEATURES & BENEFITS

- Cut and assemble in field
- Snap & Light Solderless Connections reduce labor during installation
- 24VDC LED Soft Strip offers excellent color-rendering inside a slim, paintable aluminum extrusion
- 5oz of copper provides better heat dissipation, less voltage drop.
- Surface mount channel is sold in 2', 4', 5', 8' and 10' increments
- **Warm Dim, Dim-To-Warm: (30D)** dims from 3000K to 2000K, **(27D)** dims from 2700K to 2000K. 5 watt only.
- **Tunable White:** 2K6K and 27K6 Variable White Tunable Lighting. Human Centric Lighting 5 watt only.
- **Static White Options:** Wattage 2.5W | 5W | 7.5W Kelvin Range 2000K-5700K
- **Dynamic Color:** RGB 5W only
- **Static Color:** Amber **(AAA)**, Green **(GGG)**, Blue **(BBB)**, Red **(RRR)**

## LENS & LOUVERS

- Diffuser Lens **(D)**, Diffused Lens with White Louver **(DW)**, Diffused Lens with Black Louver **(DB)**. Projects Dot-Free clean line of LED light.
- Clear Lens **(C)**, Clear Lens with White Louver **(CW)**, Diffused Lens with Black Louver **(CB)**. **LEDS WILL SHOW.**
- Gel Diffused Lens provided by the customer please visit www.leefilters.com for more information
- 5 year pro-rated warranty included

## REQUIRED COMPONENTS

- Light Channel 45° Surface Mount and Lens (Mounting Clips included)
- End Caps (sold in pairs)
- 24VDC Light Channel Solderless Snap & Light Power/Jumper Connector
- 24VDC LED Strip

## REMOTE POWER SUPPLIES, DIMMERS & CONTROLS* (SOLD SEPARATELY)

24VDC, Class 2 wiring

**Static White & Warm Dim**

- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)**
- Electronic Low Voltage **(ELV)**†

**Lutron**

- Lutron Hi-Lume/Ecosystem

**Tunable White**

- 0-10V: Requires two dimmers, one for intensity and one for color temperature
- **DMX** Dynamic Color Changing: Must be used with PureEdge Controllers

**RGB/RGB+W**

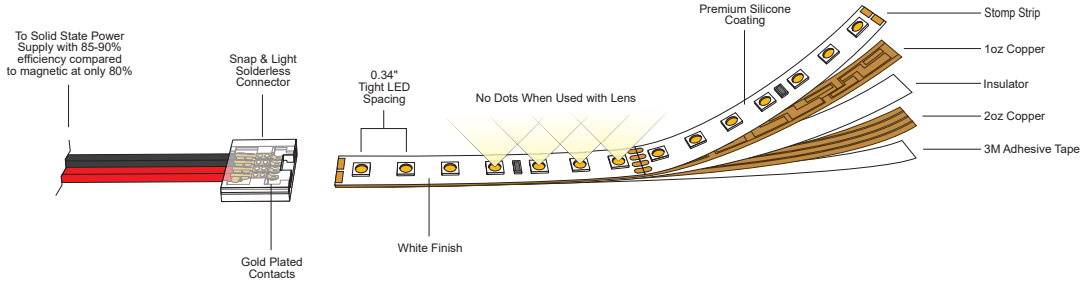
- **DMX** Dynamic Color Changing
- Controllers

*In-Wall Mounting Kits available for select power supplies

†ELV power supplies are not compatible with nLight, use only 0-10 volt or Uni driver power supplies

## APPLICATIONS

- Provides maximum light levels for task and general illumination
- Indoor only - Under/above cabinet, cove, and retail



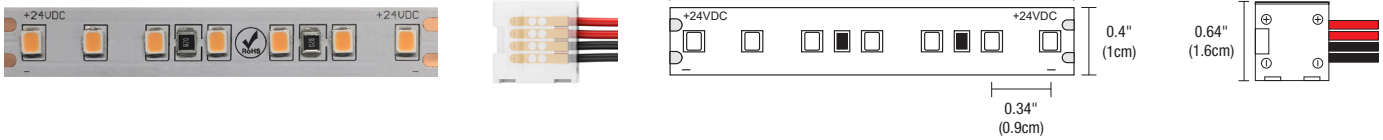

| PROJECT | | FIXTURE TYPE | | DATE | |
|---|---|---|---|---|---|

# STOMP STRIP SNAP AND LIGHT

(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.23.22




## CAN'T STOMP ME OUT

Our Low Voltage DIY (Design-It-Yourself) Stomp Strip is value engineered and highly durable, designed to withstand the harsh elements of a job site, including stomping and twisting. Stomp Strip is used for our DIY Light Channels.

## FEATURES & BENEFITS

- Snap & Light Solderless Connectors reduce time and labor during installation
- Value Engineered: Developed to meet popular demand for cost effective illumination without sacrificing output, color rendering and efficacy
- Tolerance: Created to resist damage in rigorous environments such as busy commercial jobsites
- Compact LED spacing: Produce uniform light distribution without visible diodes or hot spots when used within a diffused lens
- 4oz Layer of Copper Busbar: Provides superior heat dissipation and less voltage drop equivalent to 14AWG wire
- Premium Coating: Optically Clear Silicone prevents fading over time
- Mounting: Industrial 3M tape lined strip for strong, self-adhesion to most smooth, finished surfaces
- Applications: Indoor, damp and dry locations
- Warranty: Includes a 5-year pro-rated warranty

## SPECIFICATIONS

- 24VDC
- 2.5, 4.4 or 7.3 watts per foot
- Sold in 1' increments
- Field-cuttable increments: Static White 2.4", Warm Dim and Tunable White 3"
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

## LAMP

- 7 Static White Color Temperatures **22K-57K**
- Warm Dim: **27D** and **30D** dim down to 2000K, resembling incandescent light sources
- Tunable White: **2K6K** (2000K-6500K) and **27K6** (2700K-6500K)
- Average life: 50,000 hours

## REMOTE POWER SUPPLIES*, DIMMING & CONTROLS (SOLD SEPARATELY)

- Electronic Low Voltage Dimming **(ELV)**†
- Uni Driver: Universal dimming **(ELV, 0-10V, TRIAC)**
- 0-10 Volt **(0-10)** Dimming
- Color Changing **(DMX)**
- Lutron Hi-Lume®

*In-Wall Mounting Kits available for select Power Supplies

†ELV power supplies are not compatible with nLight, use only 0-10 volt. Universal driver or Lutron Hi-Lume® power supplies

## MAXIMUM LENGTHS BEFORE RE-FEEDING

- 2WDC, 2.5 watts per foot - 40' (Excludes Warm Dim)
- 5WDC, 4.4 watts per foot - 20'
- 7WDC, 7.3 watts per foot - 12' (Excludes Warm Dim)

## REQUIRED COMPONENTS (SOLD SEPARATELY)

- Remote Power Supply
- Snap & Light Power Connector

## ACCESSORIES (SOLD SEPARATELY)

- 24VDC Solderless Snap & Light Jumper Connector
- Mounting Straps & Clips

## APPROVALS

Class 2 Wiring up to 100 watts, Damp Location Suitable, ETL listed.

| | ST2A | | | | | | | ST5A | | | | | | | | | ST7A | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WATTS PER FOOT** | 2.5W | | | | | | | 4.4W | | | | | | | | | 7.3W | | | | | | |
| **COLOR TEMPERATURE** | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 22K | 24K | 27K | 27D* | 30K | 30D* | 35K | 40K | 57K | 22K | 24K | 27K | 30K | 35K | 40K | 57K |
| **LUMENS PER FOOT** (lm/ft) | 284 | 284 | 287 | 299 | 343 | 362 | 383 | 525 | 525 | 531 | 606 | 553 | 631 | 634 | 669 | 708 | 811 | 811 | 820 | 854 | 980 | 1033 | 1093 |
| **LUMENS PER WATT** (lm/w) | 114 | 114 | 115 | 120 | 137 | 145 | 153 | 119 | 119 | 121 | 126 | 126 | 131 | 144 | 152 | 161 | 111 | 111 | 112 | 117 | 134 | 142 | 150 |
| **CRI** | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 94+ | 92+ | 94+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ |

*27D, 30D - Warm Dim (4.8 Watts)

| | ST2A 2K6K (2000K-6500K) | | | | | | | | | ST2A 27K6 (2700K-6500K) | | | | | | | | ST5A 2K6K (2000K-6500K) | | | | | | | | | ST5A 27K6 (2700K-6500K) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WATTS PER FOOT** | 2.5W | | | | | | | | | 2.5W | | | | | | | | 4.6W | | | | | | | | | 4.6W | | | | | | | |
| **COLOR TEMPERATURE** | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K | | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K |
| **LUMENS PER FOOT** (lm/ft) | 152 | 154 | 156 | 158 | 160 | 165 | 180 | 194 | 208 | 164 | 195 | 201 | 206 | 225 | 242 | 231 | | 368 | 383 | 398 | 413 | 428 | 458 | 491 | 496 | 500 | 411 | 420 | 436 | 452 | 447 | 443 | 442 |
| **LUMENS PER WATT** (lm/w) | 82 | 77 | 78 | 79 | 80 | 82 | 90 | 97 | 115 | 82 | 78 | 80 | 82 | 90 | 97 | 115 | | 80 | 80 | 83 | 86 | 89 | 95 | 102 | 103 | 109 | 103 | 91 | 95 | 98 | 97 | 96 | 110 |
| **CRI** | 91+ | 91+ | 91+ | 94+ | 93+ | 92+ | 92+ | 91+ | 91+ | 94+ | 93+ | 92+ | 92+ | 92+ | 92+ | 91+ | | 91+ | 91+ | 91+ | 94+ | 93+ | 92+ | 92+ | 91+ | 91+ | 94+ | 93+ | 92+ | 92+ | 92+ | 92+ | 92+ | 91+ |

| | ST7A 2K6K (2000K-6500K) | | | | | | | | | ST7A 27K6 (2700K-6500K) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WATTS PER FOOT** | 7.3W | | | | | | | | | 7.3W | | | | | | |
| **COLOR TEMPERATURE** | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K |
| **LUMENS PER FOOT** (lm/ft) | 512 | 536 | 560 | 584 | 608 | 656 | 691 | 698 | 705 | 555 | 567 | 589 | 610 | 603 | 598 | 596 |
| **LUMENS PER WATT** (lm/w) | 80 | 74 | 78 | 81 | 84 | 91 | 96 | 97 | 110 | 87 | 79 | 82 | 85 | 84 | 83 | 93 |
| **CRI** | 91+ | 91+ | 91+ | 94+ | 93+ | 92+ | 92+ | 91+ | 91+ | 94+ | 93+ | 92+ | 92+ | 92+ | 92+ | 91+ |

| System | | Voltage | | Length in Feet | | Color Temperature |
|---|---|---|---|---|---|---|
| ST2A | – | 24V | – | 40 | – | 27K |

**ST2A** Stomp Strip, 2.5 watts (40ft Max)
**ST5A** Stomp Strip, 4.4 watts (20ft Max)
**ST7A** Stomp Strip, 7.3 watts (12ft Max)

**24V** 24 Volt

**1-40**

**22K** 2200K Amber White
**24K** 2400K Very Warm White
**27K** 2700K Incandescent White
**27D** 2700K Warm Dim (5W Only)
**30K** 3000K Warm White
**30D** 3000K Warm Dim (5W Only)
**35K** 3500K Neutral White
**40K** 4000K Cool White
**57K** 5700K Daylight White
**2K6K** Tunable White 2000K-6500K
**27K6** Tunable White 2700K-6500K

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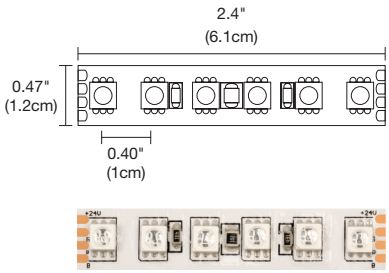
# LIGHT CHANNEL 45° DIY SURFACE MOUNT

24VDC LED TUNABLE WHITE, WARM DIM & RGB

REV 02.23.22

**REQUIRED COMPONENTS:** Select 24VDC LED Soft Strip based on desired color temperature and application.

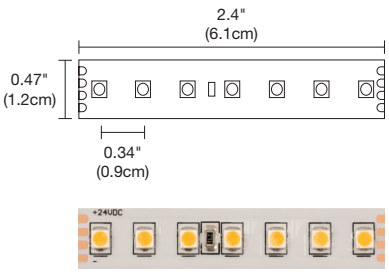



## DYNAMIC COLOR CHANGING RGB

Dynamic Color Changing RGB Soft Strip consumes 5 watts per linear foot. RGB provides dynamic color changing effects with RED/GREEN/BLUE LEDs. SS5 RGB Soft Strip uses DMX power supplies.

| System | | Voltage | | Length in Feet | | Color Temperature |
|---|---|---|---|---|---|---|
| **SS5** | – | **24V** | – | **20** | – | **RGB** |

**SS5** LED Soft Strip Special Application 5 watts per foot
**24V** 24 Volt
**1-20** 1 - 20 feet
**RGB** Red/Green/Blue Dynamic Color RGB




## MONOCHROMATIC STATIC COLOR

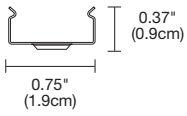
Monochromatic Static Color offers a variety of color options for special applications or special lighting effects in which static colors are used. Consumes 4.8 Watts of power per linear foot. Powered using; UNI-POWER, 0-10V or ELV power supply options.

| System | | Voltage | | Length in Feet | | Color Temperature |
|---|---|---|---|---|---|---|
| **SS5** | – | **24V** | – | **20** | – | **AAA** |

**SS5** LED Soft Strip Special Application 4.8 watts per foot
**24V** 24 Volt
**1-20** 1 - 20 feet
**RRR** Red Static Color Monochromatic
**GGG** Green Static Color Monochromatic
**BBB** Blue Static Color Monochromatic
**AAA** Amber Static Color Monochromatic

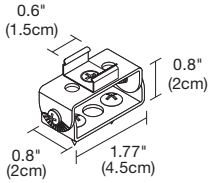
**ACCESSORIES**: Order based on lighting design or as replacement parts.

LCS.6-MCL

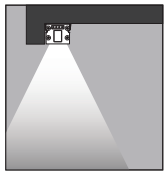



LCS.6-MCL

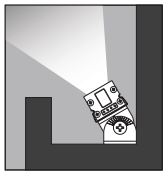
LCS.6-MCL-075



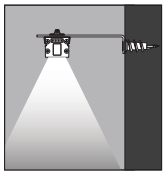

LCS.6-MCL-075



SHOWN WITH LCS.6-MCL



SHOWN WITH LCS.6-MCL-075



SHOWN WITH LCS.6-MCL-90

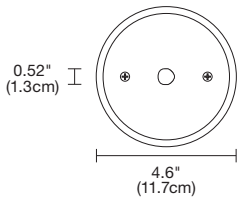
## MOUNTING CLIPS

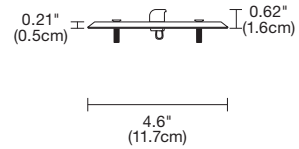
LC45-MCL mounting clips are provided with every 2' of Light Channel and may be ordered separately as replacement parts. The LC45-MCL-075 rotates Light Channel up to 75°. LC45-MCL-90 mounts Light Channel at a 90° angle.

| System | | Product | | Type |
|---|---|---|---|---|
| **LC45** | – | **MCL** | – | **Standard (Leave Blank)** |

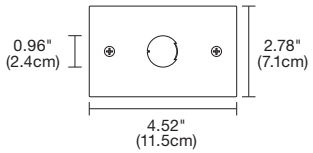
**LC45** Light Channel 45° Surface Mount
**MCL** Mounting Clip
**075** Adjusts 0-75°
**90** Mounts at 90°

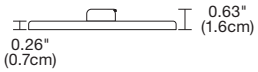
4RD-WH



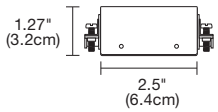



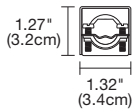

3RE-WH




1RB-WH




## CANOPY COVER & SPLICE BOX

Use for remote located power supply. The 3" rectangle or 4" round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.

| Product | | Finish |
|---|---|---|
| **3RE** | – | **WH** |

**3RE** 3 Inch Rectangle Canopy Cover
**4RD** 4 Inch Round Canopy Cover
**1RB** 1 Inch Rectangle Splice Box
**WH** White

| PROJECT | | FIXTURE TYPE | | DATE | |
|---|---|---|---|---|---|

# STOMP STRIP SNAP AND LIGHT

(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 02.23.22

**INDOOR 24VDC LED SOFT STRIP:** Accessories (sold separately)


**Using the Snap & Light Solderless Connectors:** Cutting and reconnecting our LED Stomp Strip is easy. All you need is a pair of scissors or any sharp device that will allow you to make a clean cut.

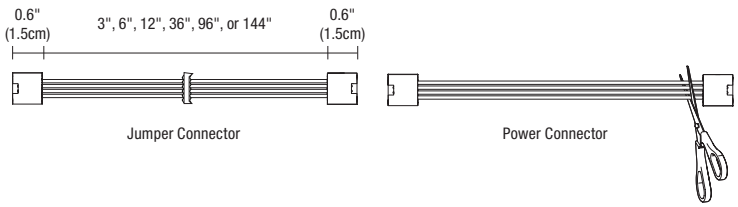
**1.** Cut the middle of joining contacts

**2.** Remove the protective coating from the contacts

**3.** Place the LED Stomp Strip end under the plastic guide and push it under the snap contacts

**4.** Close the cover

**5.** Snap the cover to secure in place




### 24VDC SOLDERLESS SNAP & LIGHT POWER/JUMPER CONNECTOR

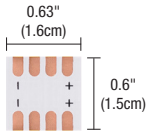
Join 2 cut sections of LED Stomp Strip end to end. Use as a power connector is required. Use as a jumper connector is optional. To use as a power connector cut and strip the wires.

| Product | | Type | | Size |
|---|---|---|---|---|
| LC | - | SLC | - | 12IN |

**LC** Light Channel

**SLC** Snap & Light Jumper or Power Connectors

**3IN** 3 inches **36IN** 36 inches
**6IN** 6 inches **96IN** 96 inches
**12IN** 12 inches **144IN** 144 inches



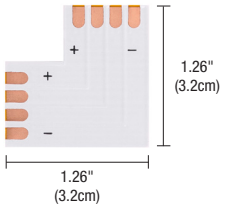

### SOLDERLESS SNAP & LIGHT STRAIGHT JOINER

Join 2 cut sections of LED Stomp Strip end to end.

| Product | | Type |
|---|---|---|
| SS | - | SLC |

**SS** LED Stomp Strip

**SLC** Snap & Light Jumper or Power Connectors



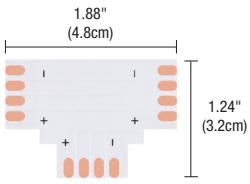

### SOLDERLESS SNAP & LIGHT L-CONNECTOR

Join and conduct power to 2 sections of LED Stomp Strip in an L-shape.

| Product | | Type |
|---|---|---|
| SS | - | SLL |

**SS** LED Stomp 10mm

**SLL** Snap & Light L-Connector



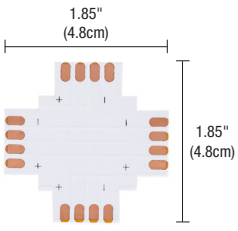

### SOLDERLESS SNAP & LIGHT T-CONNECTOR

Join and conduct power to 3 sections of LED Stomp Strip in a T-shape.

| Product | | Type |
|---|---|---|
| SS | - | SLT |

**SS** LED Stomp 10mm

**SLT** Snap & Light T-Connector




### SOLDERLESS SNAP & LIGHT X-CONNECTOR

Join and conduct power to 4 sections of LED Stomp Strip in an X-shape.

| Product | | Type |
|---|---|---|
| SS | - | SLX |

**SS** LED Stomp 10mm

**SLX** Snap & Light X-Connector

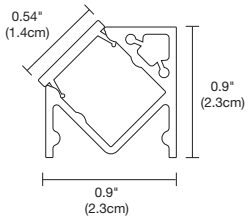
| PROJECT | | FIXTURE TYPE | | DATE | |
|---|---|---|---|---|---|

# LIGHT CHANNEL 45° DIY SURFACE MOUNT

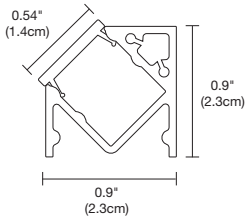
24VDC LED TUNABLE WHITE, WARM DIM & RGB

REV 02.23.22

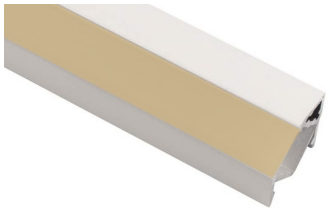
**REQUIRED COMPONENTS:** Select Light Channel 45° Surface Mount option, End Caps and Power Connector based on lighting design.

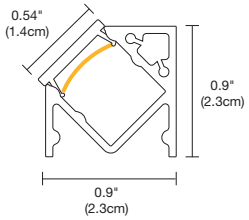



Ⓒ LC45 Light Channel Clear Lens




Ⓓ LC45 Light Channel Diffuser Lens






Ⓖ LC45 Light Channel Diffuser Lens
with Gel Color Filter (provided by customer)

## LIGHT CHANNEL 45° SURFACE MOUNT

Start the ordering process by selecting the desired aluminum channel length (3 finish options) and lens option. Then order the LED Soft Strip (fits inside channel), End Caps, Power Feed Joiner, and Jumper. The channel and lens may be cut in the field, and may be joined together using the Light Channel Snap & Light Solderless Jumper/Power Connector. Mounting Clips are included with every 2 feet of channel, and also be ordered separately as replacement parts. The Diffuser Lens projects clean lines of light, eliminating LED dots. Both the Clear and Diffuser Lens are Gel Color Filter Suitable allowing for color personalization. Zircon LED Gel filters are recommended and can be purchased from the dealer www.leefilters.com. Gel filter life is 5,000 hours before needing to be changed.

| System | Length in Feet | Lens | Finish |
|---|---|---|---|
| **LC45** | **10FT** | **D** | **SA** |

**LC45** Light Channel 45 Degree

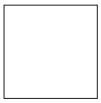
**2FT** 2 Feet
**4FT** 4 Feet
**5FT** 5 Feet
**8FT** 8 Feet
**10FT** 10 Feet

**D** Diffuser Lens
**C** Clear Lens
**CW** Clear Lens White Louver
**CB** Clear Lens Black Louver
**DW** Diffused Lens Black Louver
**DB** Diffused Lens White Louver

**BZ** Antique Bronze
**SA** Satin Aluminum
**WH** White

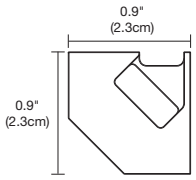

Antique Bronze **BZ**


Satin Aluminum **SA**

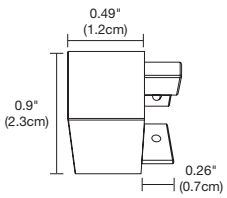

White **WH**

**End Cap Right**

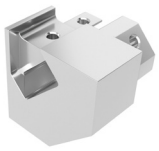
**Right Front View**



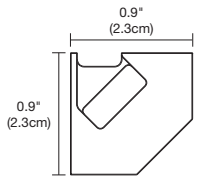

**Right Side View**



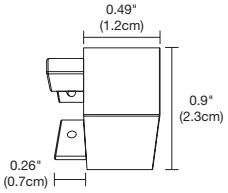

**End Cap Left**



**Left Front View**




**Left Side View**




## END CAPS

End Caps are sold in pairs and provide a finished look at the end of a run as well as hold the required power connector.

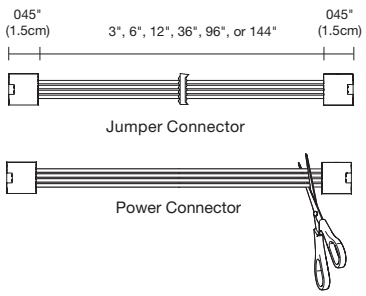
| System | Product | Type | Finish |
|---|---|---|---|
| **LC45** | **SLC** | **CA** | **SA** |

**LC45** Light Channel 45 Degree

**SLC** Snap and Light Connector

**CA** End Caps

**BZ** Antique Bronze
**SA** Satin Aluminum
**WH** White




## 24VDC LIGHT CHANNEL SOLDERLESS SNAP & LIGHT JUMPER/POWER CONNECTOR

Use as a power connector is required, and use as a jumper connector is optional. Join 2 cut sections of LED Soft Strip end to end within the channel. Solderless connections provide easy installation and are compatible with Solderless Light Channel Connector accessories. To use as a power connector cut and strip the wires.

| System | Product | Length |
|---|---|---|
| **LC** | **SLC** | **3IN** |

**LC** Light Channel

**SLC** Solderless Snap & Light Jumper/Power Connector

**3IN** 3 Inches
**6IN** 6 Inches
**12IN** 12 Inches
**36IN** 36 Inches
**96IN** 96 Inches
**144IN** 144 Inches

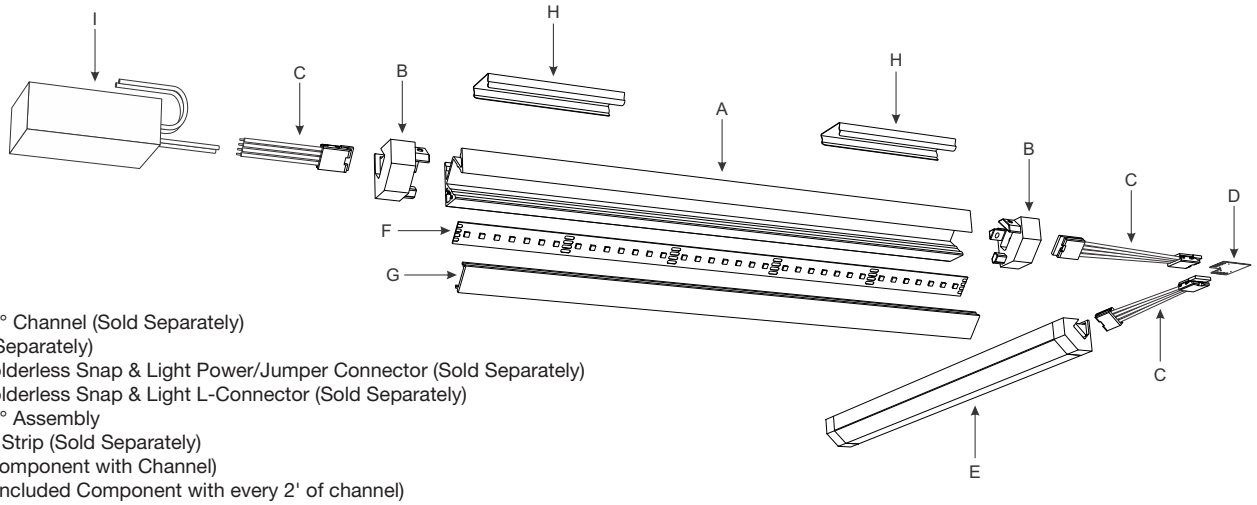
| PROJECT | | FIXTURE TYPE | | DATE | |
|---|---|---|---|---|---|

# LIGHT CHANNEL 45° DIY SURFACE MOUNT

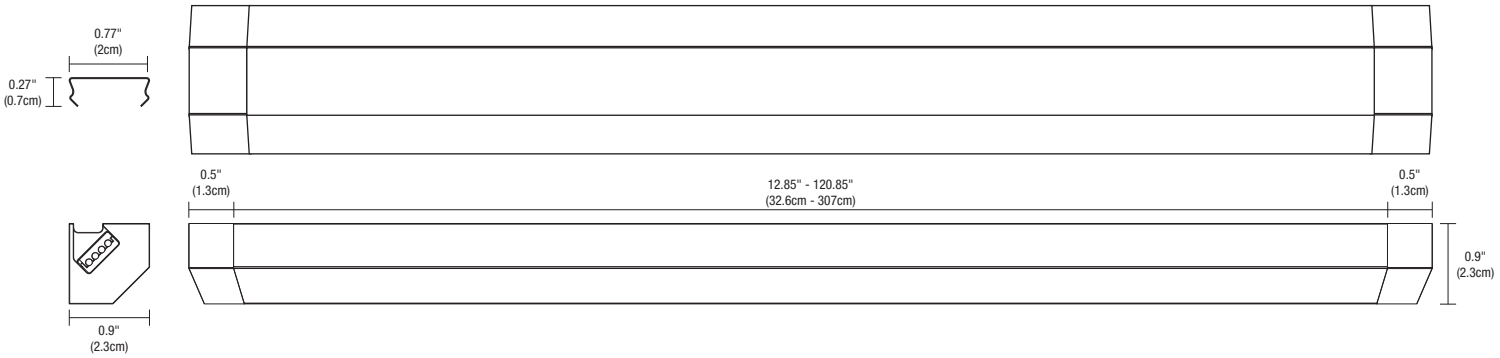
24VDC LED TUNABLE WHITE, WARM DIM & RGB

REV 02.23.22

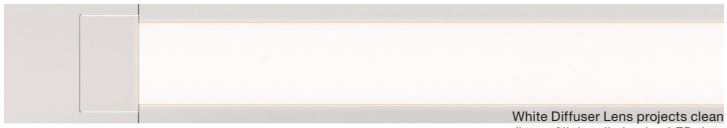
## Light Channel 45° DIY System Overview




**A.** Light Channel 45° Channel (Sold Separately)
**B.** End Caps (Sold Separately)
**C.** Light Channel Solderless Snap & Light Power/Jumper Connector (Sold Separately)
**D.** Light Channel Solderless Snap & Light L-Connector (Sold Separately)
**E.** Light Channel 45° Assembly
**F.** 24VDC LED Soft Strip (Sold Separately)
**G.** Lens (Included Component with Channel)
**H.** Mounting Clips (Included Component with every 2' of channel)
**I.** Remote Power Supply (PSB-60L-ELV-24VDC shown), (Sold Separately)




## INCLUDED COMPONENTS Lens Options and Lamp Data for indoor Light Channel 0.6" Surface Mount



**LC45 LIGHT CHANNEL 61° DIFFUSER LENS**

White Diffuser Lens projects clean lines of light, eliminating LED dots

**LC45 LIGHT CHANNEL 26° CLEAR LENS**

Clear Lens provides maximum light levels and will show slight LED dots

**LC45 LIGHT CHANNEL DIFFUSER LENS WITH GEL COLOR FILTER (PROVIDED BY CUSTOMER)**

Clear and Diffuser Lens are Gel Color Filter Suitable allowing for color personalization. Zircon LED Gel filters are recommended and can be purchased from www.leefilters.com. Gel filter life is 5,000 hours before needing to be changed

Lamp Life is 50,000 hours

| PROJECT | | FIXTURE TYPE | | DATE | |
|---|---|---|---|---|---|

# LED STRIP TM30 DATA

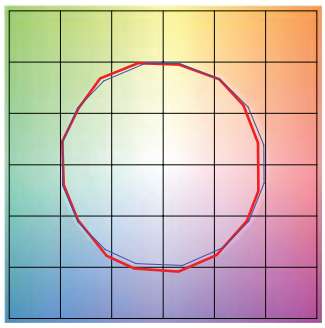
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 02.23.22

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**2200K** | Rf: 90.5 | Rg: 99.9

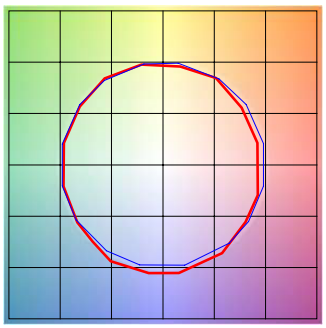
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 88.3 | -5.2% | 1.0% |
| 2 | 90.1 | -3.6% | 3.7% |
| 3 | 87.5 | -0.5% | 5.6% |
| 4 | 93.9 | -1.2% | 1.3% |
| 5 | 94.7 | 0.7% | 2.1% |
| 6 | 93.7 | 2.6% | 0.7% |
| 7 | 93.5 | -1.5% | -2.2% |
| 8 | 97.8 | -0.4% | -0.2% |
| 9 | 93.7 | -1.5% | 2.4% |
| 10 | 90.8 | -0.8% | 4.9% |
| 11 | 89.3 | 3.7% | 5.4% |
| 12 | 90.2 | 4.6% | 1.0% |
| 13 | 89.0 | 4.4% | -9.7% |
| 14 | 75.4 | 0.6% | -15.1% |
| 15 | 90.7 | -1.7% | -5.0% |
| 16 | 84.2 | -4.4% | -9.1% |

**2400K** | Rf: 90.2 | Rg: 99.3

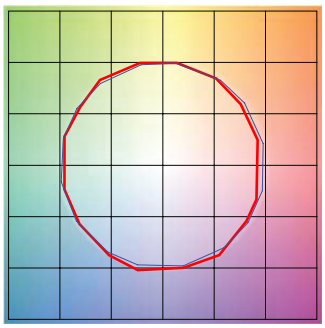
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 89.0 | -4.8% | 1.1% |
| 2 | 90.4 | -3.7% | 3.2% |
| 3 | 88.1 | -0.7% | 5.2% |
| 4 | 93.0 | -2.1% | 0.9% |
| 5 | 94.5 | -0.1% | 2.0% |
| 6 | 94.7 | 1.7% | 0.6% |
| 7 | 93.7 | -1.9% | -1.5% |
| 8 | 96.8 | -1.2% | 0.2% |
| 9 | 91.9 | -1.8% | 3.7% |
| 10 | 88.8 | -0.9% | 6.1% |
| 11 | 87.5 | 3.8% | 7.1% |
| 12 | 89.6 | 4.3% | 0.3% |
| 13 | 88.1 | 4.2% | -9.1% |
| 14 | 82.5 | 2.8% | -10.6% |
| 15 | 91.4 | -2.1% | -4.2% |
| 16 | 84.0 | -3.6% | -9.9% |

**2700K** | Rf: 89.5 | Rg: 98.3

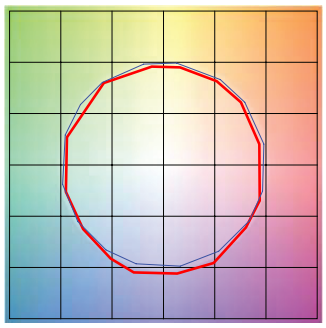
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 88.6 | -5.2% | 0.9% |
| 2 | 90.3 | -3.6% | 2.9% |
| 3 | 88.4 | -1.5% | 5.0% |
| 4 | 91.9 | -2.5% | 1.4% |
| 5 | 93.5 | -0.9% | 2.3% |
| 6 | 95.7 | 0.9% | -0.4% |
| 7 | 91.1 | -3.7% | -0.5% |
| 8 | 95.8 | -2.0% | 0.4% |
| 9 | 90.5 | -2.6% | 4.5% |
| 10 | 84.9 | -1.1% | 8.7% |
| 11 | 85.0 | 2.3% | 9.8% |
| 12 | 88.1 | 5.5% | 1.5% |
| 13 | 90.9 | 2.9% | -5.2% |
| 14 | 86.2 | 4.3% | -8.9% |
| 15 | 90.7 | -2.4% | -3.6% |
| 16 | 83.0 | -2.7% | -11.3% |

**3000K** | Rf: 88.7 | Rg: 98.2

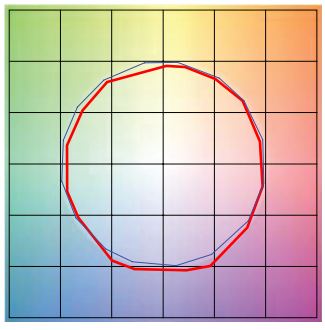
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 88.3 | -5.2% | 0.8% |
| 2 | 90.2 | -3.7% | 2.7% |
| 3 | 88.3 | -1.6% | 4.9% |
| 4 | 92.2 | -2.0% | 1.8% |
| 5 | 91.0 | -3.5% | 1.8% |
| 6 | 95.8 | 0.4% | -0.4% |
| 7 | 90.2 | -4.4% | -0.0% |
| 8 | 94.8 | -2.6% | 0.8% |
| 9 | 89.2 | -2.9% | 6.0% |
| 10 | 81.4 | -1.5% | 9.7% |
| 11 | 82.9 | 2.3% | 10.5% |
| 12 | 88.3 | 6.7% | 1.9% |
| 13 | 91.9 | 2.8% | -4.0% |
| 14 | 86.3 | 4.9% | -8.3% |
| 15 | 87.1 | -1.2% | -6.1% |
| 16 | 83.2 | -1.7% | -11.6% |

**3500K** | Rf: 88.1 | Rg: 97.1

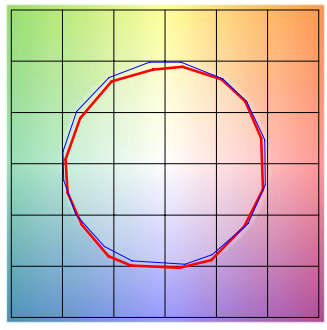
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 87.8 | -5.2% | 1.0% |
| 2 | 90.8 | -3.3% | 2.3% |
| 3 | 89.8 | -1.6% | 3.9% |
| 4 | 91.0 | -2.7% | 0.9% |
| 5 | 90.0 | -5.4% | 0.7% |
| 6 | 95.6 | -0.9% | -0.4% |
| 7 | 90.0 | -5.3% | 1.4% |
| 8 | 91.8 | -3.6% | 3.0% |
| 9 | 87.1 | -2.9% | 7.3% |
| 10 | 80.1 | -1.3% | 12.2% |
| 11 | 81.8 | 4.1% | 10.5% |
| 12 | 88.2 | 5.1% | 2.3% |
| 13 | 92.4 | 2.1% | -3.8% |
| 14 | 86.6 | 5.0% | -7.9% |
| 15 | 86.2 | -0.7% | -6.8% |
| 16 | 84.5 | -2.1% | -7.0% |

**4000K** | Rf: 87.6 | Rg: 96.8 | CRI: 84

Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 89.0 | -3.1% | 2.1% |
| 2 | 93.2 | -0.9% | 1.3% |
| 3 | 94.3 | -1.1% | 0.7% |
| 4 | 89.5 | -4.0% | -2.3% |
| 5 | 87.6 | -7.8% | -1.8% |
| 6 | 92.2 | -4.6% | 0.1% |
| 7 | 87.4 | -6.6% | 3.6% |
| 8 | 85.7 | -3.8% | 7.0% |
| 9 | 81.5 | -1.3% | 12.4% |
| 10 | 80.0 | 0.9% | 11.4% |
| 11 | 83.3 | 5.9% | 8.7% |
| 12 | 89.7 | 4.8% | -0.3% |
| 13 | 88.5 | 2.4% | -6.3% |
| 14 | 92.7 | 4.0% | -3.8% |
| 15 | 86.1 | -1.6% | -4.5% |
| 16 | 85.0 | -1.4% | -5.0% |

| PROJECT | | FIXTURE TYPE | | DATE | |
|---|---|---|---|---|---|

# LED STRIP TM30 DATA

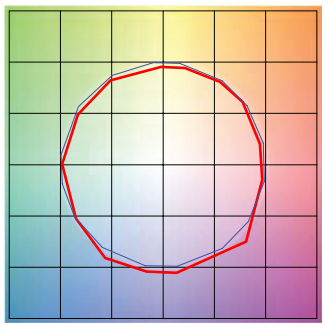
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 02.23.22

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**5700K** | Rf: 87.6 | Rg: 98.0

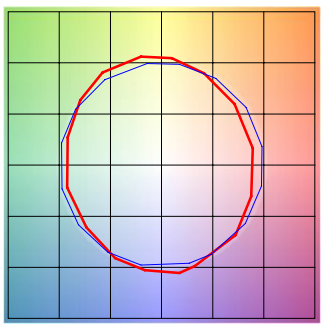
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 87.9 | -3.9% | 1.5% |
| 2 | 92.3 | -1.7% | 2.7% |
| 3 | 91.0 | -1.2% | 2.4% |
| 4 | 91.5 | -1.2% | 1.6% |
| 5 | 86.2 | -5.9% | -0.4% |
| 6 | 93.5 | -3.2% | -0.2% |
| 7 | 93.1 | -3.8% | 0.6% |
| 8 | 85.9 | -4.6% | 5.9% |
| 9 | 83.6 | -4.0% | 12.7% |
| 10 | 75.8 | -0.6% | 13.6% |
| 11 | 80.2 | 4.3% | 10.4% |
| 12 | 83.4 | 3.4% | 1.8% |
| 13 | 90.8 | 5.0% | -2.0% |
| 14 | 91.8 | 1.3% | -3.3% |
| 15 | 79.4 | 8.6% | -12.7% |
| 16 | 93.4 | -2.7% | -0.2% |

**2000K only (2K6K)** | Rf: 82.8 | Rg: 99.3 | CRI: 86

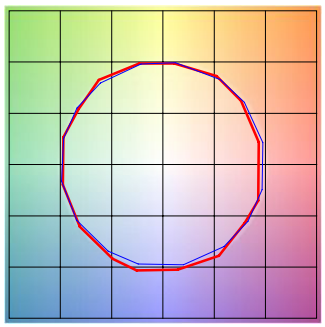
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 80.1 | -9.2% | 0.3% |
| 2 | 77.4 | -7.4% | 9.0% |
| 3 | 74.5 | -2.3% | 12.4% |
| 4 | 85.3 | 4.5% | 8.6% |
| 5 | 89.9 | 7.9% | 4.5% |
| 6 | 88.3 | 7.2% | -1.8% |
| 7 | 83.5 | 1.1% | -10.0% |
| 8 | 87.1 | -4.9% | -6.7% |
| 9 | 88.3 | -5.3% | -0.0% |
| 10 | 84.6 | -5.1% | 6.4% |
| 11 | 84.3 | 1.0% | 9.1% |
| 12 | 84.2 | 4.1% | 4.7% |
| 13 | 85.8 | 7.4% | -11.4% |
| 14 | 60.8 | 0.6% | -19.6% |
| 15 | 77.8 | -1.6% | -14.7% |
| 16 | 78.1 | -7.8% | -11.5% |

**3000K (2K6K)**| Rf: 90.2 | Rg: 101.4 | CRI: 90+

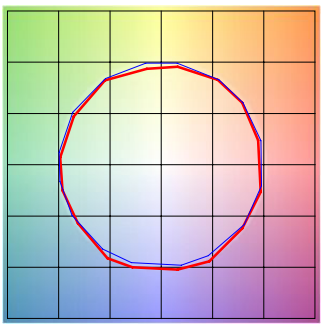
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 90.9 | -3.8% | 1.3% |
| 2 | 91.7 | -1.9% | 3.3% |
| 3 | 88.7 | 0.7% | 5.1% |
| 4 | 92.4 | -1.0% | 0.7% |
| 5 | 92.9 | 0.9% | 1.7% |
| 6 | 93.1 | 3.3% | -0.6% |
| 7 | 91.0 | -1.8% | -0.4% |
| 8 | 97.0 | 0.2% | -1.1% |
| 9 | 92.8 | -0.5% | 3.6% |
| 10 | 88.3 | 1.0% | 7.0% |
| 11 | 87.1 | 3.8% | 7.8% |
| 12 | 87.6 | 6.5% | -0.3% |
| 13 | 89.3 | 3.6% | -6.3% |
| 14 | 86.1 | 4.5% | -9.1% |
| 15 | 91.6 | -1.9% | -3.1% |
| 16 | 83.8 | -1.5% | -11.2% |

**4000K only (2K6K)** | Rf: 89.6 | Rg: 99.1 | CRI: 87

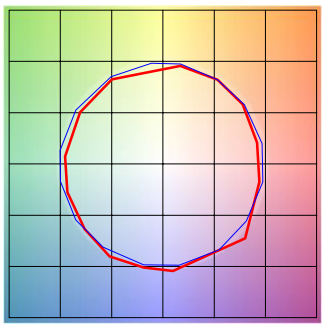
Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 91.3 | -2.5% | 1.0% |
| 2 | 95.3 | -0.5% | 0.5% |
| 3 | 94.3 | -0.7% | 1.1% |
| 4 | 91.1 | -3.4% | -1.1% |
| 5 | 89.5 | -5.6% | 0.0% |
| 6 | 94.6 | -1.4% | 1.3% |
| 7 | 93.2 | -3.0% | 2.6% |
| 8 | 91.3 | -1.8% | 4.6% |
| 9 | 86.5 | -0.9% | 9.1% |
| 10 | 83.3 | -0.5% | 9.5% |
| 11 | 83.3 | 4.9% | 9.0% |
| 12 | 89.7 | 4.1% | 1.7% |
| 13 | 90.1 | 3.6% | -4.3% |
| 14 | 93.4 | 5.2% | -2.1% |
| 15 | 87.4 | 0.4% | -4.3% |
| 16 | 86.6 | 0.4% | -6.1% |

**6000K only (27K6)** | Rf: 87.5 | Rg: 97.7 | CRI: XXX

Color Vector Graphic




| | | GRAPHIC SHIFTS % | |
|---|---|---|---|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 87.5 | -4.2% | 1.4% |
| 2 | 92.2 | -1.9% | 2.7% |
| 3 | 90.9 | -1.4% | 2.4% |
| 4 | 91.4 | -1.3% | 1.6% |
| 5 | 86.1 | -6.0% | -0.5% |
| 6 | 93.4 | -3.4% | -0.3% |
| 7 | 93.4 | -3.4% | -0.3% |
| 8 | 92.9 | -3.9% | 0.5% |
| 9 | 85.8 | -4.9% | 5.7% |
| 10 | 75.7 | -0.7% | 13.7% |
| 11 | 80.2 | 4.2% | 10.4% |
| 12 | 93.5 | 3.3% | 1.7% |
| 13 | 90.6 | 4.9% | -2.3% |
| 14 | 91.5 | 1.2% | -3.6% |
| 15 | 79.1 | 8.3% | -13.2% |
| 16 | 93.1 | -2.9% | -0.4% |

| PROJECT | | FIXTURE TYPE | | DATE | |
|---|---|---|---|---|---|