



LIGHT CHANNEL COMPLETE FIXTURE 0.3" LIGHT CHANNEL

24VDC 3W & 5W, LAZER STRIP COB™ STATIC WHITE



DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 10.06.23



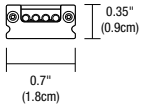
LCS.3 LIGHT CHANNEL 100° DIFFUSED LENS WITH LAZER STRIP

Diffused Lens provides a greater dispersion of light levels without pixelation



LCS.3 LIGHT CHANNEL 100° CLEAR LENS WITH LAZER STRIP

Clear Lens provides maximum light levels without pixelation



FEATURES & BENEFITS

- The paintable surface mount channel is available in various sizes up to 120", for longer continuous runs use DIY Light Channel .3 Surface Mount
 - Lazer Strip: Remote Phosphor Technology eliminates Pixelation. Offered in multiple Static White Color Temperatures
 - 3 or 5 watts per foot.
 - High CRI offers excellent color-rendering
 - 24VDC Low Voltage, Class 2 wiring up to 100 watts.
 - Remote Power Supplies sold separately
 - 5 year warranty included
- For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

APPLICATIONS

- Indoor damp or dry locations
- Suitable for small spaces requiring a channel less than 0.6" tall
- Task lighting, under/above cabinets, coves and retail displays

LENS OPTIONS

- **(C)** Clear Lens provides maximum illumination use of a 100° transparent clear lens
- **(D)** Diffused White Lens projects clean lines of light 100° eliminating pixelation
- **(G)** Diffused Lens with gel color **(PROVIDED BY CUSTOMER)** Clear and Diffuser Lens are Gel Color Filter Suitable allowing for color personalization. Zircon LED Gel filters recommended. Purchase Gel Lens from www.leefilters.com. See manufacturer spec sheet for more information.

INCLUDED COMPONENTS

- 96" of Solderless Snap & Light Power Connector (Includes 1 per fixture. Order extra as needed based on your installation requirements.)
- Mounting Clips (Included with every 2' of Channel)

ACCESSORIES (SOLD SEPARATELY)

- Mounting Clips
- Solderless Snap & Light Power/Jumper Connector
- Solderless Light Channel Connectors L, T, X
- Zircon gel filters

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

24VDC, Class 2 wiring

- [WiZ Pro Connected Smart Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)
- [Lutron Hi-Lume/Ecosystem](#)

*In-Wall Mounting and drop ceiling Kits available for select power supplies

Product	Wattage	Nominal Size	Lens & Color Temperature		Finish
LCS.3	3W	60	D	27KZ	SA
LCS.3 Light Channel .3 Surface Mount	3W 3.3 watts 5W 4.4 watts	12-120 Order in 12" increments up to 120" May be ordered in 3, 5, 8 or 10" increments	D Diffused Lens C Clear Lens G Diffused Lens with Gel Color (Provided by Customer)	24KZ 2400K Very Warm White 27KZ 2700K Incandescent White 30KZ 3000K Warm White (Halogen) 35KZ 3500K Neutral White 40KZ 4000K Cool White	SA Satin Aluminum XX Custom Finish

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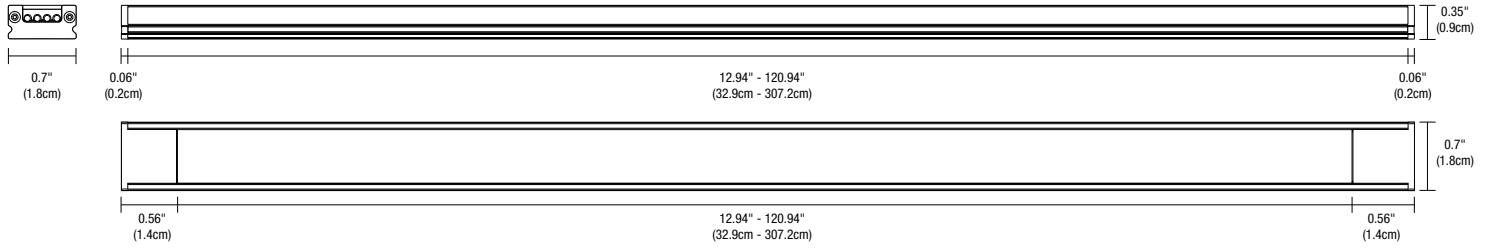


LIGHT CHANNEL COMPLETE FIXTURE 0.3" LIGHT CHANNEL

24VDC 3W & 5W, LAZER STRIP COB™ STATIC WHITE



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Lamp Life Is 50,000 Hours

WATTS PER FOOT	LS3					LS5				
	3W (3.3 watts)					5W (4.4 watts)				
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	240	258	271	274	282	264	338	369	423	459
LUMENS PER WATT (lm/w)	73	78	82	83	86	60	77	84	96	104

Length Charts: Actual lengths for Light Channel .3 Surface Mount

Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12.0	13.0	41	40.8	41.8	70	69.6	70.6	96	96.0	97.0
15	14.4	15.4	44	43.2	44.2	72	72.0	73.0	99	98.4	99.4
17	16.8	17.8	46	45.6	46.6	75	74.4	75.4	101	100.8	101.8
20	19.2	20.2	48	48.0	49.0	77	76.8	77.8	104	103.2	104.2
22	21.6	22.6	51	50.4	51.4	80	79.2	80.2	106	105.6	106.6
24	24.0	25.0	53	52.8	53.8	82	81.6	82.6	108	108.0	109.0
27	26.4	27.4	56	55.2	56.2	84	84.0	85.0	111	110.4	111.4
29	28.8	29.8	58	57.6	58.6	87	86.4	87.4	113	112.8	113.8
32	31.2	32.2	60	60.0	61.0	89	88.8	89.8	116	115.2	116.2
34	33.6	34.6	63	62.4	63.4	92	91.2	92.2	118	117.6	118.6
36	36.0	37.0	65	64.8	65.8	94	93.6	94.6	120	120.0	121.0
39	38.4	39.4	68	67.2	68.2						

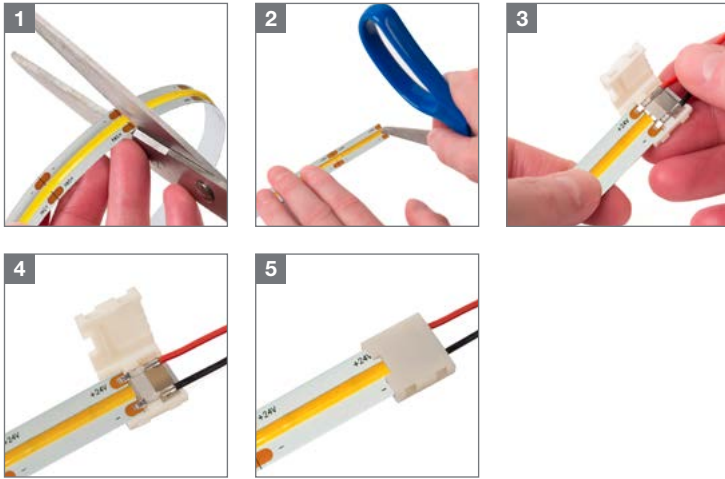
FOOT CANDLE CHARTS

30K 5W DIFFUSED LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	201 FC
18in	21in	110 FC
24in	29in	70 FC
36in	42in	35 FC

30K 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	273 FC
18in	21in	145 FC
24in	29in	91 FC
36in	42in	44 FC

*Foot Candle Data is based off 4' Channel.

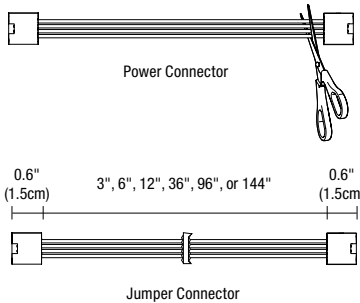
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USING THE SNAP & LIGHT SOLDERLESS CONNECTORS:

Cutting and reconnecting our Lazer Strip is easy. All you need is a pair of scissors or any sharp device that will allow you to make a clean cut.

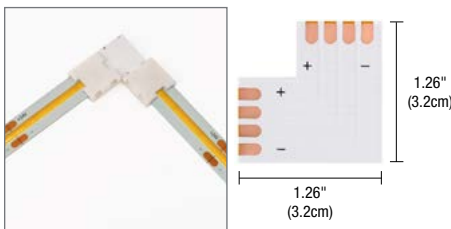
1. Cut the middle of joining contacts
2. Remove the protective coating from the contacts
3. Place the Lazer Strip end under the plastic guide and push it under the snap contacts
4. Close the cover
5. Snap the cover to secure in place



24VDC SOLDERLESS SNAP & LIGHT POWER/JUMPER CONNECTOR

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

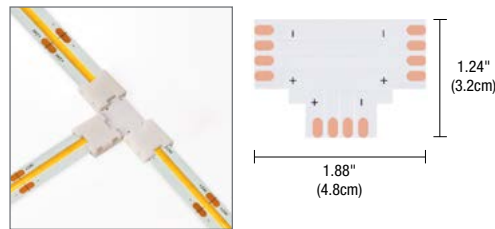
Product	Type	Size												
LCLS	SLC	12IN												
LCLS Lazer Strip	SLC Snap & Light Jumper or Power Connectors	<table border="0"> <tr> <td>3IN</td> <td>3 inches</td> <td>36IN</td> <td>36 inches</td> </tr> <tr> <td>6IN</td> <td>6 inches</td> <td>96IN</td> <td>96 inches</td> </tr> <tr> <td>12IN</td> <td>12 inches</td> <td>144IN</td> <td>144 inches</td> </tr> </table>	3IN	3 inches	36IN	36 inches	6IN	6 inches	96IN	96 inches	12IN	12 inches	144IN	144 inches
3IN	3 inches	36IN	36 inches											
6IN	6 inches	96IN	96 inches											
12IN	12 inches	144IN	144 inches											



SOLDERLESS SNAP & LIGHT L-CONNECTOR

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

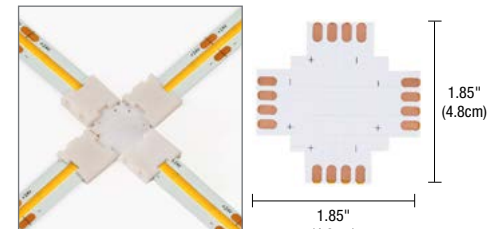
Product	Type
LS	SLL
LS Lazer Strip	SLL Snap & Light L-Connector



SOLDERLESS SNAP & LIGHT T-CONNECTOR

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

Product	Type
LS	SLT
LS Lazer Strip	SLT Snap & Light T-Connector



SOLDERLESS SNAP & LIGHT X-CONNECTOR

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

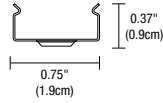
Product	Type
LS	SLX
LS Lazer Strip	SLX Snap & Light X-Connector

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Accessories: Indoor Light Channel .3 Surface Mount, order based on lighting design or as replacement parts



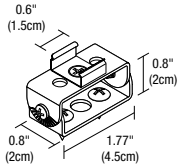
LCS.6-MCL



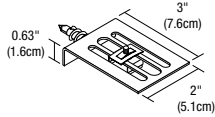
LCS.6-MCL

MOUNTING CLIPS

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75 degrees. LC-MCL-90 mounts Light Channel at a 90 degree angle.

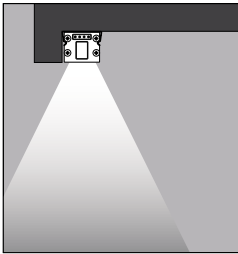


LCS.6-MCL-075

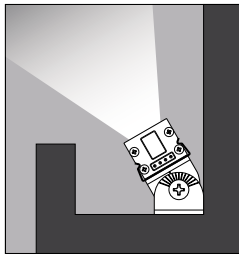


LCS.6-MCL-90

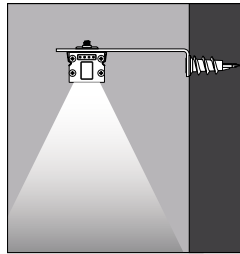
System	Product	Type
LCS.6	MCL	STANDARD (LEAVE BLANK)
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	075 Adjusts 0-75° 90 Adjusts 90°



SHOWN WITH LCS.6-MCL



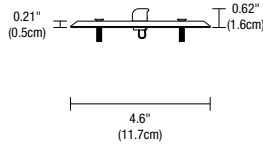
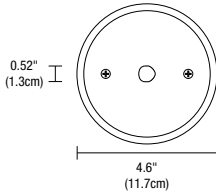
SHOWN WITH LCS.6-MCL-075



SHOWN WITH LCS.6-MCL-90



4RD-WH



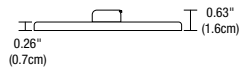
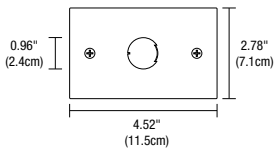
CANOPY COVER & SPLICE BOX

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" Rectangle Canopy Cover 4RD 4" Round Canopy Cover	WH White

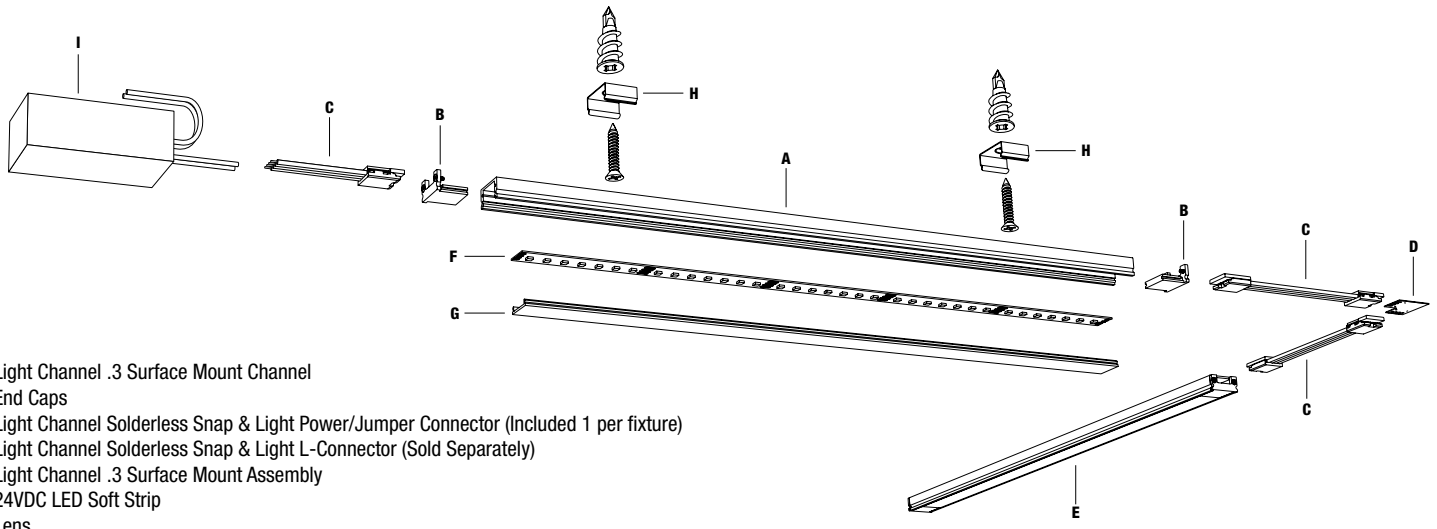


3RE-WH



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Included Components: Indoor Light Channel .3 Surface Mount system overview



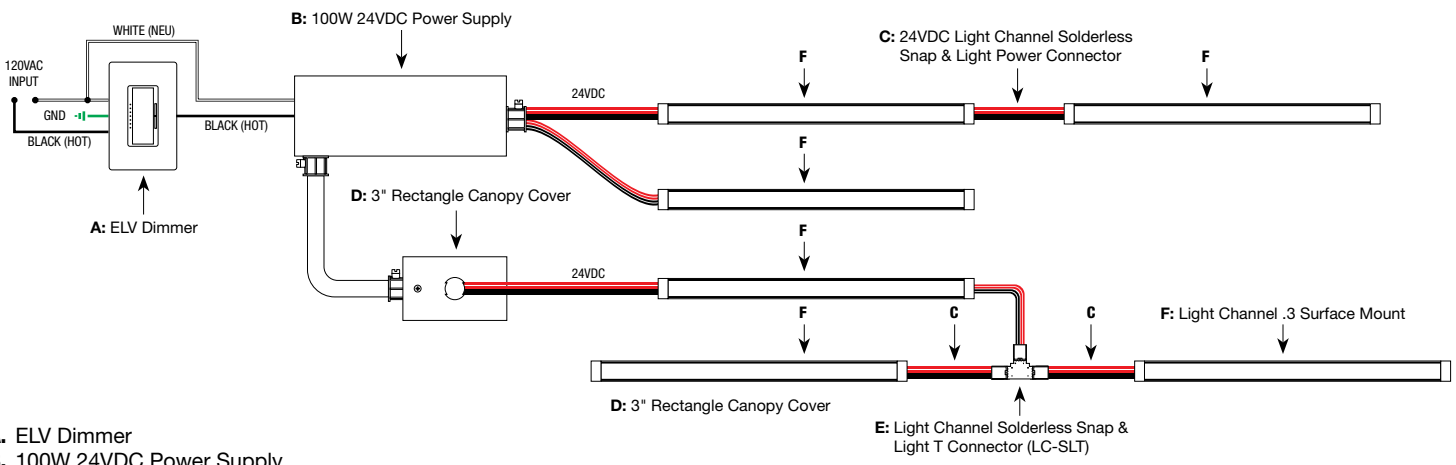
- A. Light Channel .3 Surface Mount Channel
- B. End Caps
- C. Light Channel Solderless Snap & Light Power/Jumper Connector (Included 1 per fixture)
- D. Light Channel Solderless Snap & Light L-Connector (Sold Separately)
- E. Light Channel .3 Surface Mount Assembly
- F. 24VDC LED Soft Strip
- G. Lens
- H. Mounting Clips (Included with every 2 feet of channel)
- I. Remote Power Supply (Sold Separately)

Wiring Diagram: Electronic Low Voltage (ELV) dimming for Indoor Light Channel .3 Surface Mount

Power Supply: 120VAC input, 24VDC 96 watt output

Dimming: Dimmable with low voltage electronic dimmer using power supply above. See power supply spec sheet for additional details.

Lutron: Diva DVELV-300P; Skylark SELV-300P; Maestro MAELV-600 dimmers are recommended.



- A. ELV Dimmer
- B. 100W 24VDC Power Supply
- C. 24VDC Light Channel Solderless Snap & Light Power/Jumper Connector
- D. 3" Rectangle Canopy Cover
- E. Light Channel Solderless Snap & Light T Connector (LS-SLT)
- F. Light Channel .3 Surface Mount

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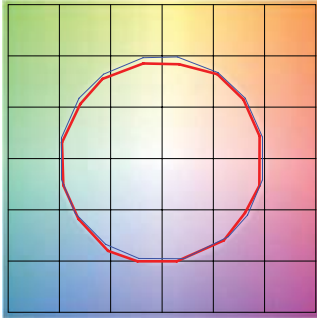
TM30 DATA

24VDC 3W & 5W, LAZER STRIP COB™ STATIC WHITE

TM-30-15 DATA: The data below is for Lazer Strip. 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.

2400K | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

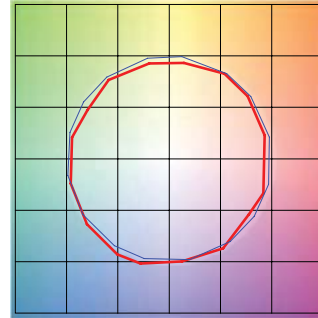


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

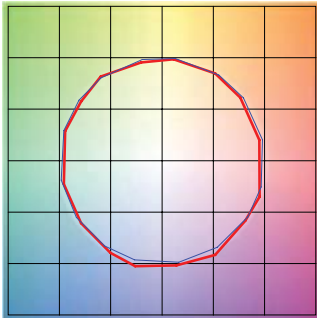


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

3000K | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

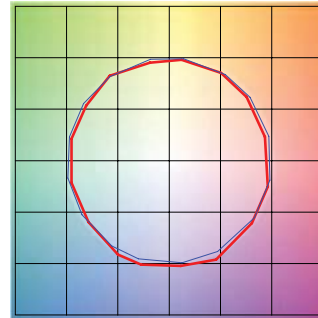


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

3500K | Rf: 86.1 | Rg: 95.5

Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

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