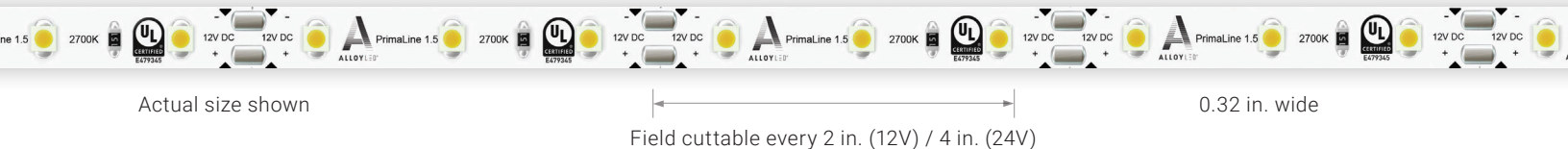


ALLOY LED® Specifications

PrimaLine® 1.5 LED Tape Light



At only 1.5 watts per foot, PrimaLine 1.5 offers the perfect level of brightness for the ambient, accent, and close application task lighting that is ideal for shelves, cabinets, toe kicks, soffits, and coves. PrimaLine 1.5 is a low-heat, efficient linear light.

- Industry-leading 95+ CRI (Color Rendering Index)
- High R9 and R13 values for superb rendering of warm tones
- 6-year warranty

TECHNICAL INFORMATION

Color Temperature*	2200K†, 2400K†, 2700K, 3000K, 3500K†, 4200K, 5000K*
12V Power Consumption per Foot	1.44 Watts/120mA
24V Power Consumption per Foot	1.44 Watts/60mA
Input Voltages	12V / 24V DC
Diodes per foot	18
Diode Spacing	0.65 inches
Tape Height	0.1 inches
Beam Angle	120°
12V Field Cuttable (UL 2108)	Every 2 inches
24V Field Cuttable (UL 2108)	Every 4 inches
Maximum Run Length	34 ft. (12V), 67 ft. (24V)
Dimmable	Yes

Diode Type	3528 SMD
Diode Brand	Epistar
Mounting	3M™ Self-Adhesive Tape (Non-porous)
Operating Temperature	-13° F to 140° F
Ambient Temperature	-40° F to 186° F
Spool Lengths**	16.4 ft., 20 ft., 50 ft., and 100 ft.
Environment	Indoor, Dry
Certifications	UL Listed, UL 2108, CE, RoHS, UL Closet Rated
Standards	Certified to the CA Energy Commission in accordance with the Title 24 JA8 2016 std.
Warranty	6 Year Limited

† CCT only available in 24V model

* In addition to stocked colors, a wide variety of Color Temperatures are also available by special order. Please call or email to order.

^Each spool includes 36 in., CL2 rated 20 AWG tinned lead wires at both ends of the tape light.

** 12V for 16.4 ft., 50 ft., and 100 ft.

24 V for 20ft., 50 ft., and 100 ft.

PRODUCT INFORMATION

16.4 ft. Spool Item Number	50 ft. Spool Item Number	100 ft. Spool Item Number	Voltage	Color Temperature	CRI	R9 Value	R13 Value	TM30	CQS	Lumens per Foot
AL-01-01-1201	AL-01-01-1221	AL-01-01-1241	12V DC	 2700K	98.2	95.1	98.5	94.1	95.1	104
AL-01-01-1202	AL-01-01-1222	AL-01-01-1242	12V DC	 3000K	98	92.6	99.3	93.1	94.9	109
AL-01-01-1203	AL-01-01-1223	AL-01-01-1243	12V DC	 4200K	97	99.1	98.5	91.3	94.7	119
AL-01-01-1204	AL-01-01-1224	AL-01-01-1244	12V DC	 5000K	96.3	96.7	98.4	89.4	92.6	121

20 ft. Spool Item Number	50 ft. Spool Item Number	100 ft. Spool Item Number	Voltage	Color Temperature	CRI	R9 Value	R13 Value	TM30	CQS	Lumens per Foot
AL-01-01-2400	AL-01-01-2420	AL-01-01-2440	24V DC	 2200K	96.8	77.7	99.3	94.9	88.2	87
AL-01-01-2405	AL-01-01-2425	AL-01-01-2445	24V DC	 2400K	97.1	82.4	99.5	94.4	91.2	92
AL-01-01-2401	AL-01-01-2421	AL-01-01-2441	24V DC	 2700K	98.2	95.1	98.5	94.1	95.1	104
AL-01-01-2402	AL-01-01-2422	AL-01-01-2442	24V DC	 3000K	98	92.6	99.3	93.1	94.9	109
AL-01-01-2408	AL-01-01-2428	AL-01-01-2448	24V DC	 3500K	95.9	85.6	97	92.3	93.8	115
AL-01-01-2403	AL-01-01-2423	AL-01-01-2443	24V DC	 4200K	97	99.1	98.5	91.3	94.7	119
AL-01-01-2404	AL-01-01-2424	AL-01-01-2444	24V DC	 5000K	96.3	96.7	98.4	89.4	92.6	121

VOLTAGE DROP GUIDANCE CHART

Standard Non-XT 12V Voltage Drop and Wire Length Distance Chart (3% Drop or 11V)

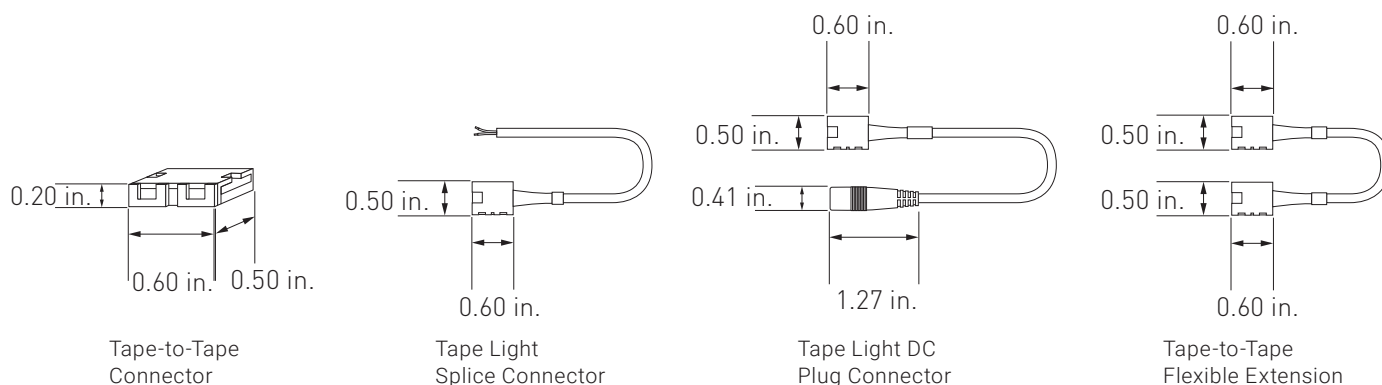
Wire Gauge	Copper Wire Resistance (Ω/kFT)	10W (0.83A)	20W (1.67A)	30W (2.50A)	40W (3.33A)	50W (4.17A)	60W (5A)
22 AWG	16.14	14 ft.	7 ft.	5 ft.	4 ft.	3 ft.	3 ft.
20 AWG	10.15	22 ft.	11 ft.	8 ft.	6 ft.	5 ft.	4 ft.
18 AWG	6.39	34 ft.	17 ft.	12 ft.	9 ft.	7 ft.	6 ft.
16 AWG	4.02	54 ft.	27 ft.	18 ft.	14 ft.	11 ft.	9 ft.
14 AWG	2.53	86 ft.	43 ft.	29 ft.	22 ft.	18 ft.	15 ft.
12 AWG	1.59	137 ft.	69 ft.	46 ft.	35 ft.	28 ft.	23 ft.
10 AWG	0.99	217 ft.	109 ft.	73 ft.	55 ft.	44 ft.	37 ft.

Standard Non-XT 24V Voltage Drop and Wire Length Distance Chart (3% Drop or 24V)

Wire Gauge	Copper Wire Resistance (Ω/kFT)	10W (0.42A)	20W (0.83A)	30W (1.25A)	40W (1.67A)	50W (2.08A)	60W (2.50A)	70W (2.92A)	80W (3.33A)	90W (3.75A)	96W (4A)
22 AWG	16.14	54 ft.	27 ft.	18 ft.	14 ft.	11 ft.	9 ft.	8 ft.	7 ft.	6 ft.	6 ft.
20 AWG	10.15	86 ft.	43 ft.	29 ft.	22 ft.	18 ft.	15 ft.	13 ft.	11 ft.	10 ft.	9 ft.
18 AWG	6.39	136 ft.	68 ft.	46 ft.	34 ft.	28 ft.	23 ft.	20 ft.	17 ft.	16 ft.	15 ft.
16 AWG	4.02	216 ft.	108 ft.	72 ft.	54 ft.	44 ft.	36 ft.	31 ft.	27 ft.	24 ft.	23 ft.
14 AWG	2.53	343 ft.	172 ft.	115 ft.	86 ft.	69 ft.	58 ft.	49 ft.	43 ft.	39 ft.	36 ft.
12 AWG	1.59	545 ft.	273 ft.	182 ft.	137 ft.	109 ft.	91 ft.	78 ft.	69 ft.	61 ft.	57 ft.
10 AWG	0.99	865 ft.	433 ft.	289 ft.	217 ft.	173 ft.	145 ft.	124 ft.	109 ft.	97 ft.	91 ft.

Note: These tables provide general guidelines for determining Wire Gauge based on total load and distance from LED driver to beginning of luminaire.

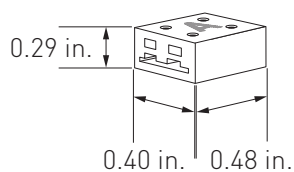
In-Wall-Rated Tape Light Connectors (20 AWG)



Item Number	Description	Wire Length
AL-01-01-9901	Tape-to-Tape Connector	N/A
AL-01-01-9902	Tape Light Splice Connector	6 in.
AL-01-01-9907	Tape Light Splice Connector	36 in.
AL-01-01-9910	Tape Light Splice Connector	8 ft.

Item Number	Description	Wire Length
AL-01-01-9911	Tape-to-Tape Flexible Extension	3 in.
AL-01-01-9912	Tape-to-Tape Flexible Extension	6 in.
AL-01-01-9917	Tape-to-Tape Flexible Extension	36 in.
AL-01-01-9922	Tape Light DC Plug Connector	6 in.
AL-01-01-9927	Tape Light DC Plug Connector	36 in.

AmpChamp: For a more secure connection



Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire.

Note: AmpChamp Corner does not include the pre-attached 6 inch in-wall-rated 18 AWG lead wire.

Straight AmpChamp

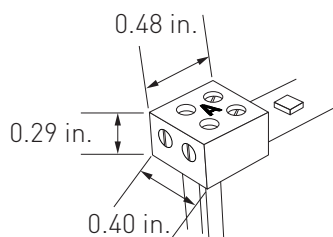
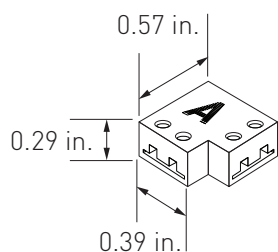
AL-01-01-9900
AL-01-01-9900-10 (10-pack)
AL-01-01-9900-100 (100-pack)

AmpChamp Corner

AL-01-01-9900-L

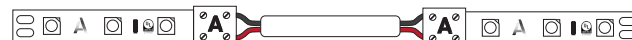
AmpChamp Up/Down

AL-01-01-9900-UD
AL-01-01-9900-UD-10 (10-pack)



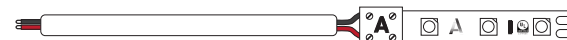
AmpChamp Jumper and Power Feed Kits

AmpChamp Jumper Kit includes two standard AmpChamp Kits and one pre-tinned 18 AWG jumper wire.



AL-01-01-9900-3IN-JK (3 in. jumper wire)
AL-01-01-9900-6IN-JK (6 in. jumper wire)
AL-01-01-9900-36IN-JK (36 in. jumper wire)

AmpChamp Power Feed Kit includes one standard AmpChamp Kit and one pre-tinned 18 AWG power feed wire.



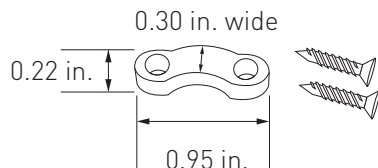
AL-01-01-9900-36IN-PK (36 in. power feed wire)
AL-01-01-9900-8FT-PK (8 ft. power feed wire)

ACCESSORIES (SOLD SEPARATELY)

Wire and Tape Light Management

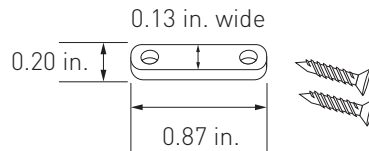
We recommend the use of the wire and tape harness.

- At least 1 wire harness at the beginning to secure the lead wire; for longer lead wires, place a harness every 2 feet
- 1 tape harness every 2 feet and 1 harness at the end of the tape light to secure it



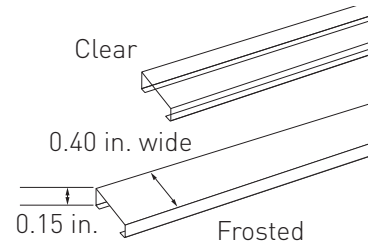
Wire Harness

Holds wire in place securely
AL-01-99-9901-10 (10-pack)



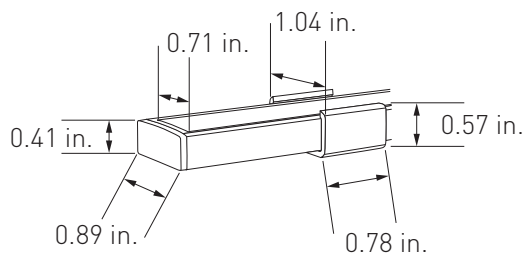
Tape Harness

Provides extra security for tape light, especially at the ends of a run
AL-01-99-9900-10 (10-pack)



Tape Light Cover

Peel-and-stick edges
AL-01-01-9931-FRT (Frosted - 39 in.)
AL-01-01-9932-CLR (Clear - 39 in.)

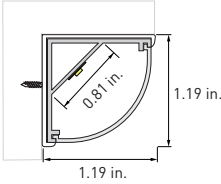
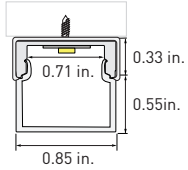
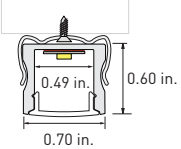
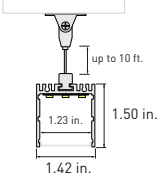
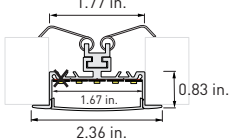
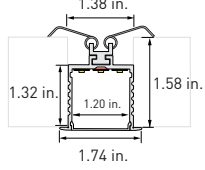
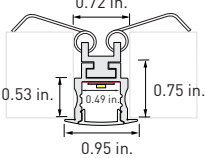
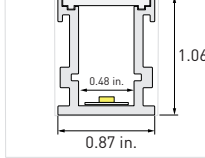
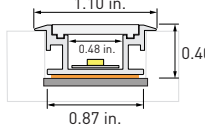


Polymer Mounting Channel

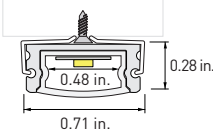
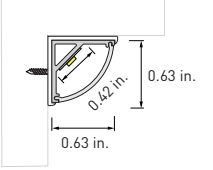
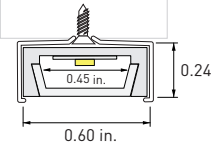
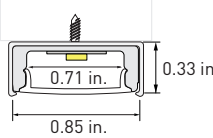
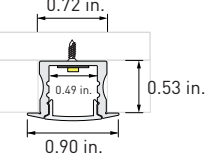
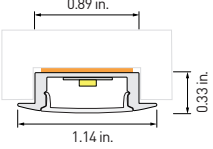
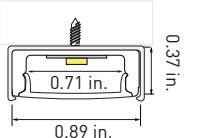
Low profile surface-mount with optional diffuser available

- AL-82-01-0011-PART (Polymer Mounting Channel, 4 ft.)
- AL-82-01-0015-PART (Polymer Mounting Channel, 7 ft.)
- AL-82-01-9902-FRT (Frosted Diffuser Cover, 4 ft.)
- AL-82-01-9905-FRT (Frosted Diffuser Cover, 7 ft.)
- AL-82-01-9951-WH (Plastic End Caps 1 Pair Pack: 1 Open, 1 Closed - White)
- AL-82-01-9981-WH (Plastic Mounting Clips and Screws - 1 pair)

Reduced Hotspot Pairings (Hotspot Rating from 0-5)

Surfa 2X: Corner-Mount  Hotspot Rating: 0 ☒ Solder ☒ Connector ☒ AmpChamp	Surfa 6 Surround: Surface-Mount  Hotspot Rating: 0 ☒ Solder ☒ Connector ☒ AmpChamp	Surfa 7: Surface-Mount  Hotspot Rating: 1 ☒ Solder ☐ Connector ☒ AmpChamp
Suspan 1: Suspended  Hotspot Rating: 0 ☒ Solder ☒ Connector ☒ AmpChamp	Ankr 1: In-Wall  Hotspot Rating: 1 ☒ Solder ☒ Connector ☒ AmpChamp	Ankr 2: In-Wall  Hotspot Rating: 0 ☒ Solder ☒ Connector ☒ AmpChamp
Ankr 3: In-Wall  Hotspot Rating: 1 ☒ Solder ☐ Connector ☒ AmpChamp	Duro 1: In-Ground  Hotspot Rating: 0 ☒ Solder ☐ Connector ☒ AmpChamp	Duro 2: In-Ground  Hotspot Rating: 1 ☒ Solder ☐ Connector ☒ AmpChamp

Other Compatible Pairings (Hotspot Rating from 0-5)

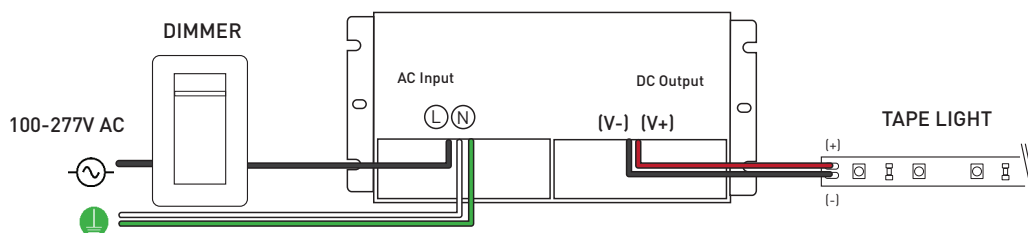
Surfa 1: Surface-Mount  Hotspot Rating: 5 ☒ Solder ☐ Connector ☐ AmpChamp	Surfa 2: Corner-Mount  Hotspot Rating: 2 ☒ Solder ☐ Connector ☒ AmpChamp	Surfa 3: Surface-Mount  Hotspot Rating: 5 ☒ Solder ☐ Connector ☐ AmpChamp
Surfa 6: Surface-Mount  Hotspot Rating: 5 ☒ Solder ☒ Connector ☒ AmpChamp	Ankr 4: Mud-In  Hotspot Rating: 2 ☒ Solder ☐ Connector ☒ AmpChamp	Naro 4: Recessed  Hotspot Rating: 5 ☒ Solder ☒ Connector ☒ AmpChamp
Polymer: Surface-Mount  Hotspot Rating: 5 ☒ Solder ☒ Connector ☒ AmpChamp		

ALLOY LED® Specifications

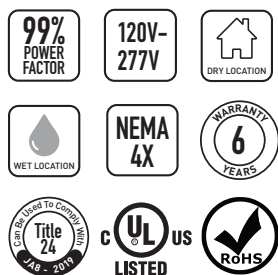
RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)



Alloy LED PowerFactor™ Dimmable Power Supplies with Integrated UL Listed Junction Box
Compact, highly efficient, and code-compliant power supply with versatile and smooth dimming capabilities.



Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.



Single Tap Models

Item Number	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (L x W x H)	Class 2
AL-98-10-12030	12V DC	30W	Yes (NEMA 4X)	10%	6.50 x 3.72 x 1.02 in.	Yes
AL-98-10-12060	12V DC	60W	Yes (NEMA 4X)	10%	7.40 x 3.72 x 1.02 in.	Yes
AL-98-10-12120	12V DC	120W	Yes (NEMA 4X)	10%	8.66 x 3.72 x 1.57 in.	No
AL-98-10-24030	24V DC	30W	Yes (NEMA 4X)	10%	6.50 x 3.72 x 1.02 in.	Yes
AL-98-10-24060	24V DC	60W	Yes (NEMA 4X)	10%	7.40 x 3.72 x 1.02 in.	Yes
AL-98-10-24096	24V DC	96W	Yes (NEMA 4X)	10%	8.66 x 3.72 x 1.57 in.	Yes
AL-98-10-24150	24V DC	150W	Yes (NEMA 4X)	10%	10.24 x 4.13 x 1.77 in.	No
AL-98-10-24200	24V DC	200W	Yes (NEMA 4X)	10%	10.24 x 4.13 x 1.77 in.	No
AL-98-10-24300	24V DC	300W	Yes (NEMA 4X)	10%	10.94 x 4.33 x 1.77 in.	No

Class 2 Compliant Multi-Tap Models

Item Number	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (L x W x H)	Class 2
AL-98-10-12300-MT	12V DC	300W	Yes (NEMA 4X)	10%	11.85 x 4.33 x 1.77 in.	Yes
AL-98-10-24192-MT	24V DC	192W	Yes (NEMA 4X)	10%	10.94 x 4.33 x 1.77 in.	Yes
AL-98-10-24288-MT	24V DC	288W	Yes (NEMA 4X)	10%	11.85 x 4.33 x 1.77 in.	Yes

Note: PowerFactor assumes 80% load.
Inspectors prefer power supply to be used with junction box.
For dimmer compatibility, refer to drivers specification sheet.

RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)

Alloy LED Primavolt® No Minimum Load Dimmable Power Supplies with ETL Listed Junction Box

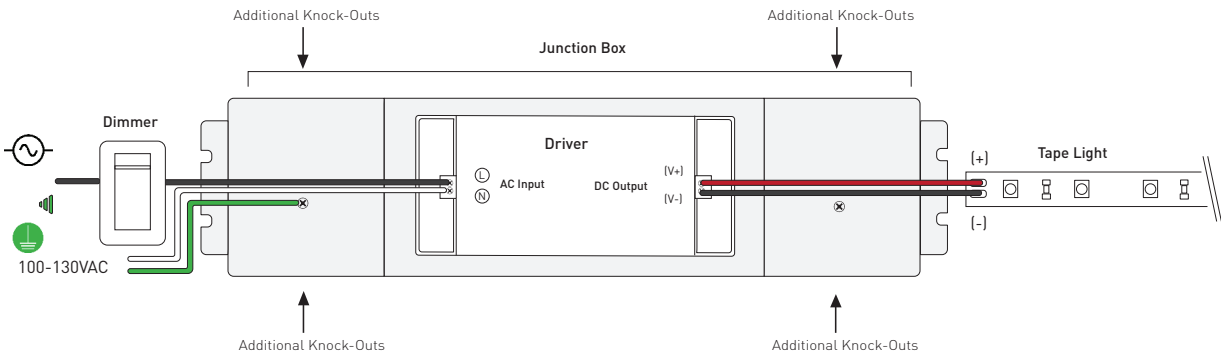
Code-compliant power supply with versatile and smooth dimming capabilities. Compatible with Incandescent, On/Off, ELV and MLV dimmers.



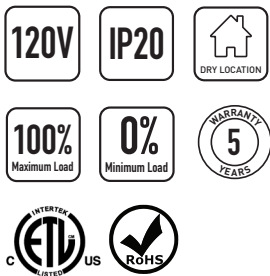
Dry Location Model
White model for 60W and lower



Wet Location Model
Black model for 80W and higher



Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.



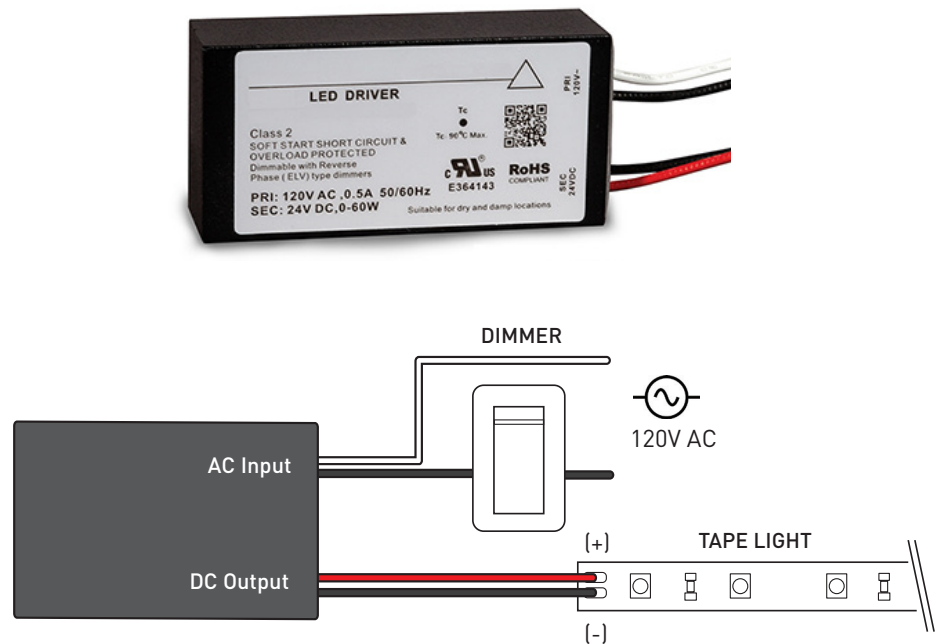
Item Number	Output Voltage	Wattage	Minimum Load	Dimensions (Junction Box) (L x W x H)	Class 2
AL-98-03-12024-NM	12V DC	24W	0%	13.78 x 3.03 x 1.46 in.	Yes
AL-98-03-12048-NM	12V DC	48W	0%	13.78 x 3.03 x 1.46 in.	Yes
AL-98-03-12060-NM	12V DC	60W	0%	13.78 x 3.03 x 1.46 in.	Yes
AL-98-03-12080-NM	12V DC	80W	0%	14.96 x 3.03 x 2.24 in.	No
AL-98-03-12120-NM	12V DC	120W	0%	14.96 x 3.03 x 2.24 in.	No
AL-98-03-24024-NM	24V DC	24W	0%	13.78 x 3.03 x 1.46 in.	Yes
AL-98-03-24048-NM	24V DC	48W	0%	13.78 x 3.03 x 1.46 in.	Yes
AL-98-03-24060-NM	24V DC	60W	0%	13.78 x 3.03 x 1.46 in.	Yes
AL-98-03-24080-NM	24V DC	80W	0%	14.96 x 3.03 x 2.24 in.	Yes
AL-98-03-24096-NM	24V DC	96W	0%	14.96 x 3.03 x 2.24 in.	Yes
AL-98-03-24150-NM	24V DC	150W	0%	15.98 x 3.43 x 2.36 in.	No
AL-98-03-24200-NM	24V DC	200W	0%	15.98 x 3.43 x 2.36 in.	No

Note: Alloy LED strongly recommends using Listed Class 2 power supplies for all installations. Always install in accordance with local and national electrical code regulations. Inspectors prefer power supply to be used with junction box. For dimmer compatibility, refer to drivers specification sheet.

RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)

ELV Dimmable Power Supplies for Remote Enclosures

The drivers are derated, but when installed in a small enclosure with no heatsink or air circulation, we recommend a maximum load of 40W.



Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.

120V

98%
POWER
FACTOR

WARRANTY
5
YEARS

0%
Min. Load

cULus

Item Number	Output	Wattage	Dimensions (L x W x H)	Class 2
AL-98-08-12060	12V DC	60W	2.66 x 1.30 x 0.83 in.	Yes
AL-98-08-24060	24V DC	60W	2.66 x 1.30 x 0.83 in.	Yes

Note: Inspectors prefer power supply to be used with junction box.
For dimmer compatibility, refer to drivers specification sheet.

ALLOY LED® Specifications

DIMMING ACCESSORIES (SOLD SEPARATELY)

Lutron® Dimming Accessories

By participating in Lutron's OEM Advantage program, Alloy LED is able to offer a range of the highest quality low voltage power supplies and selected controls on the market.



Hi-lume Premier
0.1% EcoSystem /
3-wire LED Driver
(96W 24VDC)



Hi-lume 1% LED Driver 40W
- EcoSystem / 3-wire control
- 2-wire 120V forward
phase control



Lutron Vive PowPak RF Module
- RF module for EcoSystem LED
driver control
- Use with the Lutron EcoSystem
drivers shown to "Vive-enable"
Alloy LED products

Lutron® Hi-lume LED Drivers

Item Number	Output	Wattage	Minimum Load	Class 2
AL-98-07-12040	12V DC	40W	N/A	Yes
AL-98-07-12040-3WIRE	12V DC	40W	N/A	Yes
AL-98-07-24040	24V DC	40W	N/A	Yes
AL-98-07-24040-3WIRE	24V DC	40W	N/A	Yes
AL-98-07-24096-3WIRE	24V DC	96W	N/A	Yes

Lutron® Controls

Item Number	Description	Voltage
AL-98-07-9901	EcoSystem Control Module	N/A
AL-98-07-9901-8	EcoSystem Control Module - 8-pack	N/A
AL-98-07-9950	CL Dimmer	120V AC
AL-98-07-9950-FPLATE	CL Dimmer faceplate	N/A

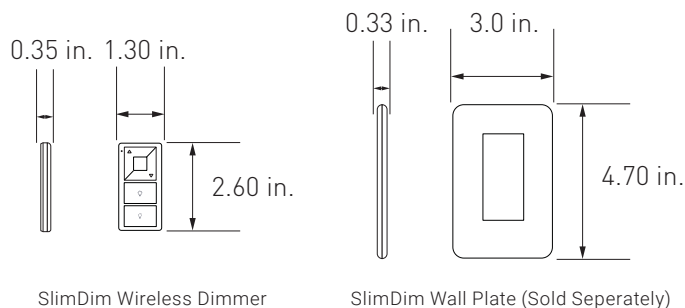
DIMMING ACCESSORIES (SOLD SEPARATELY)

Dimmers and Switches

SlimDim Wireless Dimmer Switch

Using long-range RF technology, these LED dimmers connect wirelessly to a receiver, offering freedom to mount anywhere. Can also be used as a fob for mobile, hand-held control.

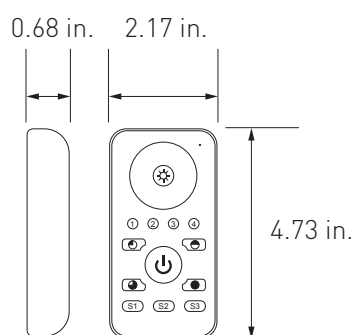
AL-70-01-0001	SlimDim Wireless Dimmer
AL-70-01-0002	Single Color Receiver (96W max.) (sold separately) 
AL-98-07-9950 -FPLATE	SlimDim Wall Plate (sold separately)



Remote Control Dimmer Switch

Provides full dimming and on/off control, and includes a touch wheel that allows for direct visual selection of brightness. It can also operate up to four independent zones.

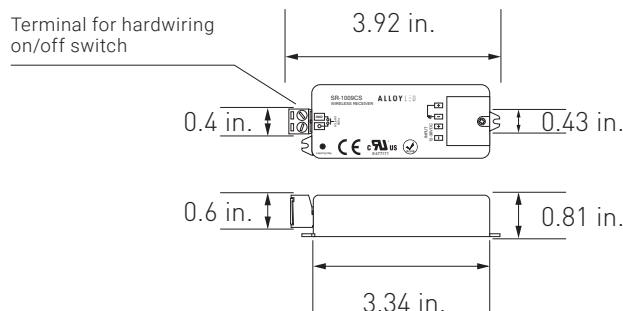
AL-60-03-0001	Remote Control Dimmer Switch
AL-70-01-0002	Single Channel Receiver (sold separately) 
AL-60-03-0004-V2	Wireless Receiver (RGB & RGBW) (sold separately) 



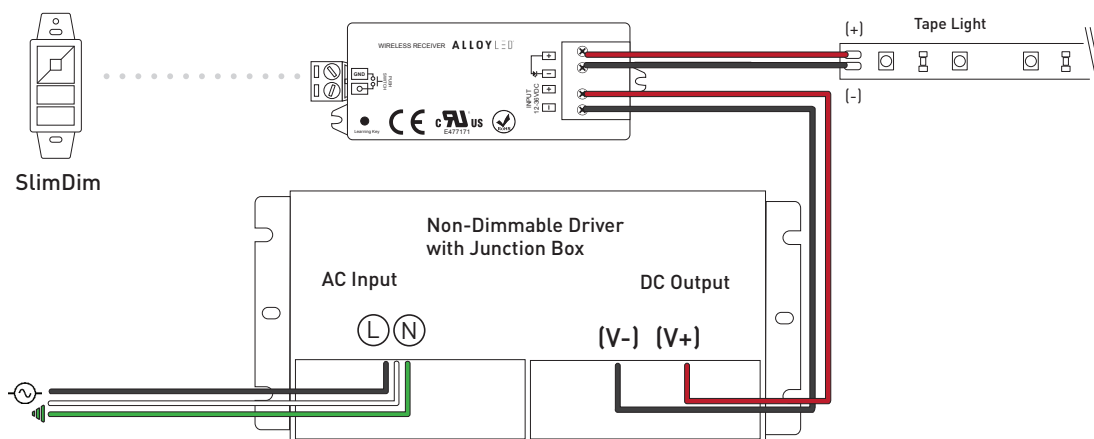
Single Channel Wireless Receiver

Pair with the Remote Control Dimmer Switch or the SlimDim Wireless Dimmer to dim PrimaLine tape lights. Use one remote to make independent lighting zones with multiple receivers with certain controllers.

AL-70-01-0002	Single Channel Wireless Receiver
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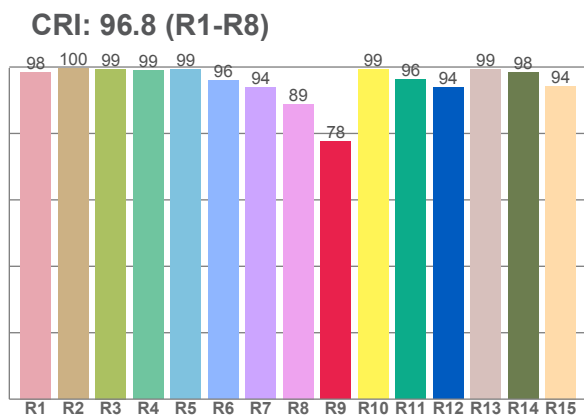
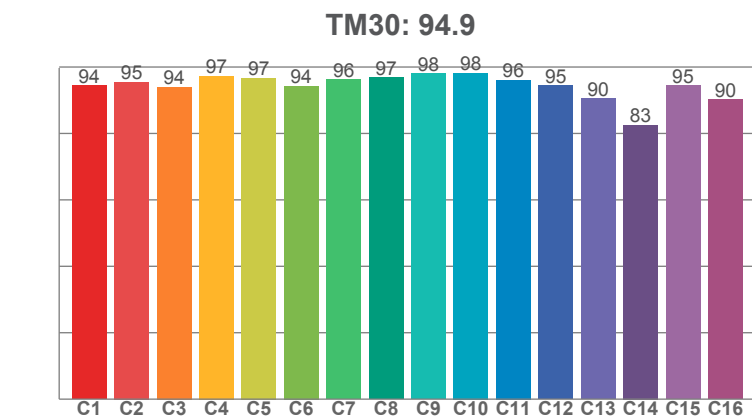
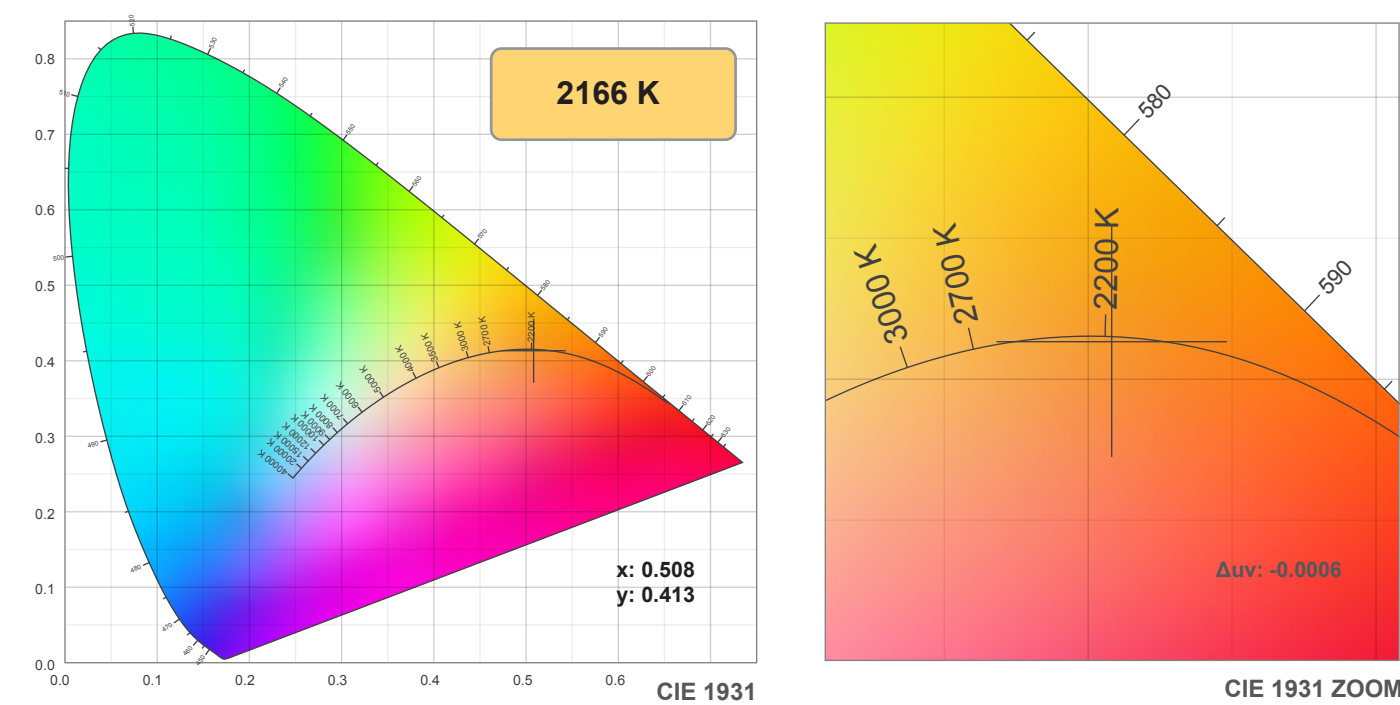


WIRING DIAGRAM



Note: specifications are representative of the diode type and not a particular tape light article.

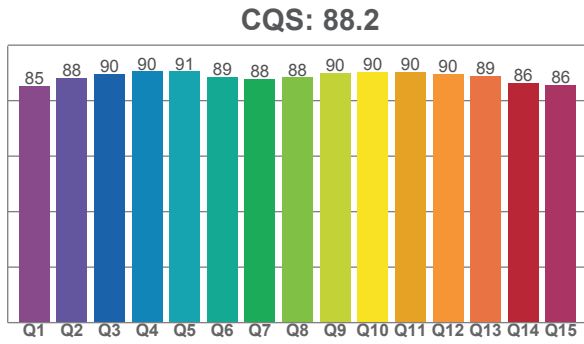
2200K



CRI R values, only R1-R8 are used to calculate final CRI value															
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
98.5	99.6	99.4	99.0	99.3	95.9	93.8	88.9	77.7	99.2	96.3	93.9	99.3	98.3	94.3	

TM30 C values, 16 binned values out of total of 99 C values															
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.4	95.5	94.0	97.3	96.7	94.3	96.3	96.9	97.9	98.2	96.1	94.5	90.5	82.5	94.5	90.2

CQS Q values														
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85.2	88.2	89.7	90.5	90.5	88.6	87.8	88.4	90.0	90.4	90.4	89.7	89.0	86.2	85.7



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2166 K	96.8	77.7	94.9	101.0	88.2	0.508	0.413	0.293	0.357	-0.0006

Note: specifications are representative of the diode type and not a particular tape light article.

2200K

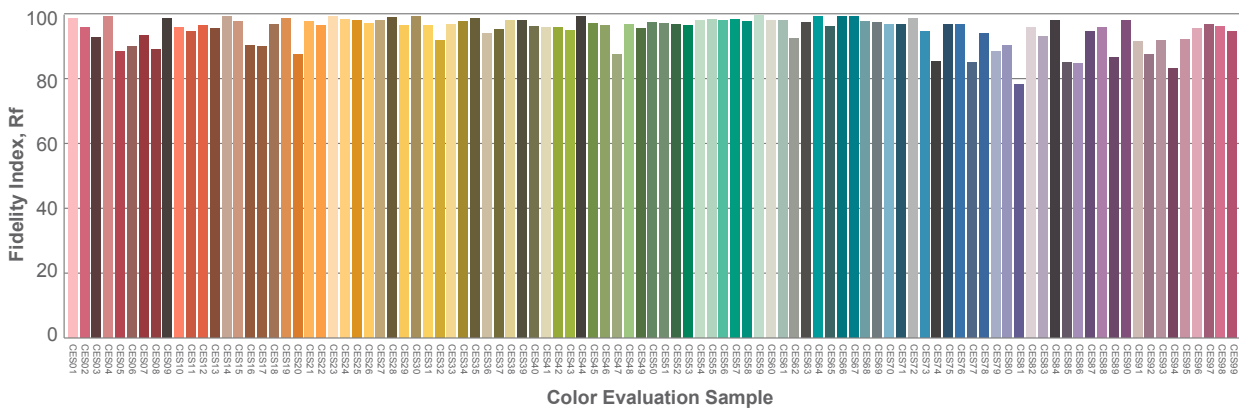
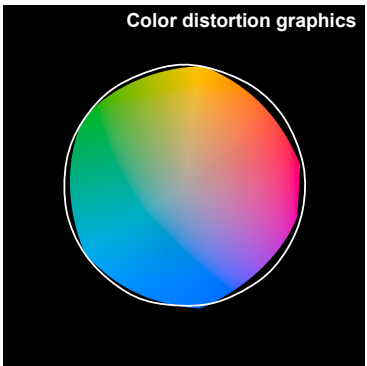
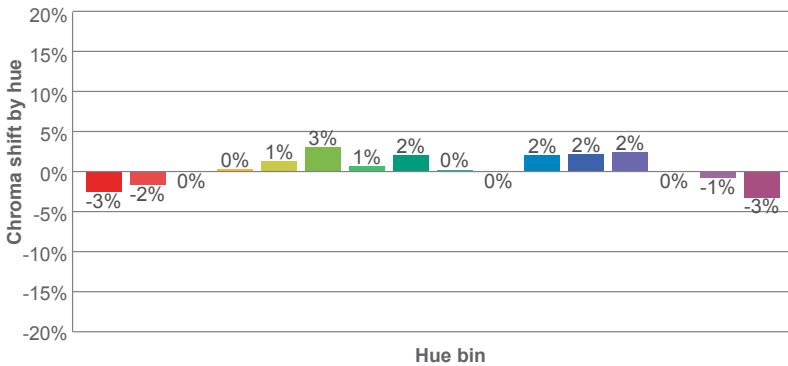
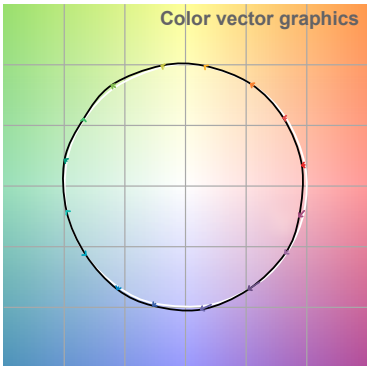
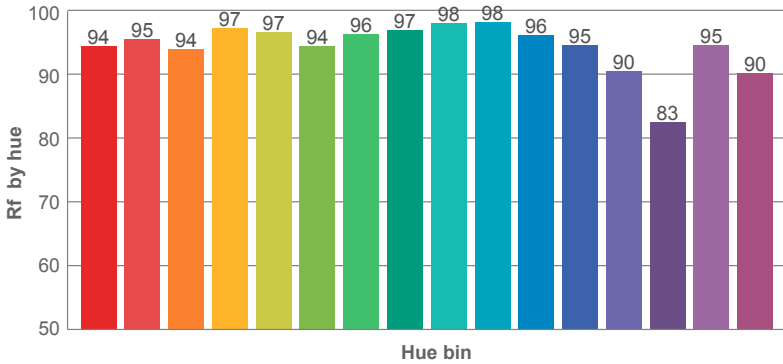
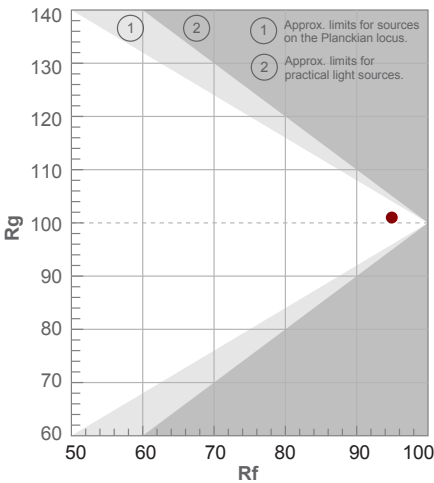
Rf 94.9

Fidelity index Rf

Rg 101.0

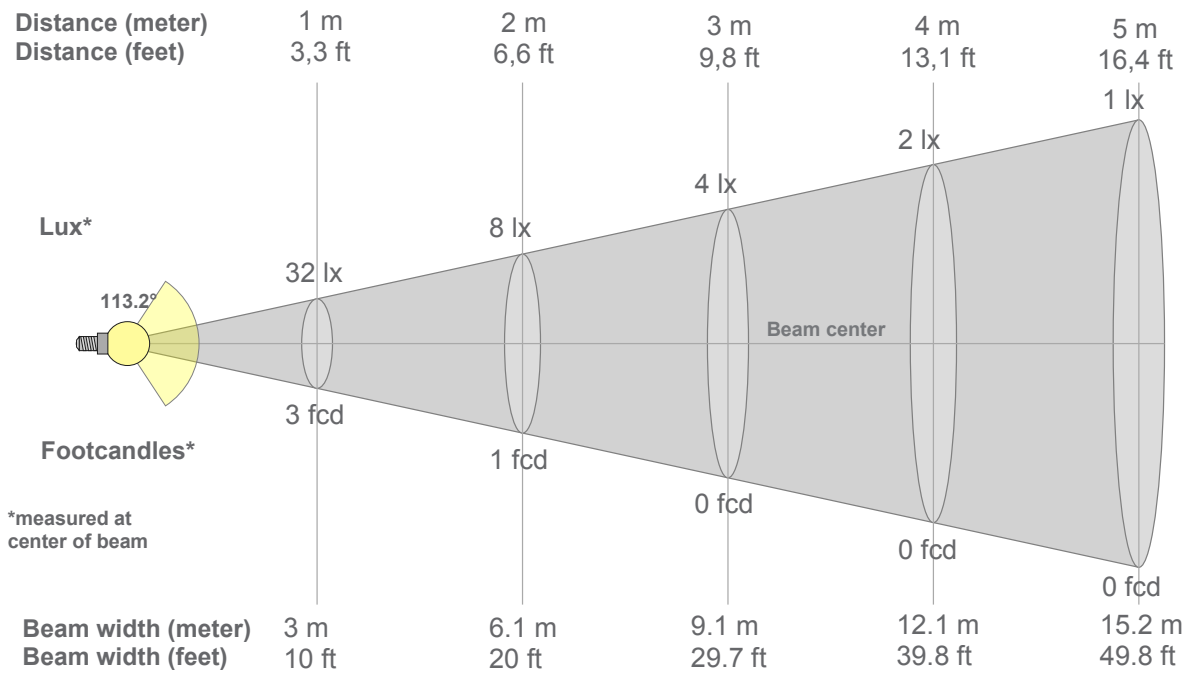
Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	95	-2%	2%
3	94	0%	3%
4	97	0%	1%
5	97	1%	2%
6	94	3%	2%
7	96	1%	-2%
8	97	2%	-1%
9	98	0%	0%
10	98	0%	0%
11	96	2%	0%
12	95	2%	-2%
13	90	2%	-9%
14	83	0%	-11%
15	95	-1%	-3%
16	90	-3%	-6%



Note: specifications are representative of the diode type and not a particular tape light article.

2200K



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
32lx	8lx	4lx	2lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
2.9fcd	0.7fcd	0.3fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
31.5	31.4	30.9	30.2	29.3	28.1	26.6	25.0	23.2	21.2	18.9	16.6	14.1	11.5	8.8	6.1	3.6	1.6	0.4	0.2
100%	99%	98%	96%	93%	89%	84%	79%	73%	67%	60%	53%	45%	36%	28%	19%	11%	5%	1%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
31.5	31.4	30.9	30.2	29.3	28.1	26.6	25.0	23.2	21.2	18.9	16.6	14.1	11.5	8.8	6.1	3.6	1.6	0.4	0.2
100%	99%	98%	96%	93%	89%	84%	79%	73%	67%	60%	53%	45%	36%	28%	19%	11%	5%	1%	1%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
31.5	31.5	31.1	30.4	29.5	28.4	27.0	25.3	23.4	21.3	19.1	16.6	14.0	11.3	8.5	5.7	3.2	1.2	0.4	0.3
100%	100%	98%	96%	94%	90%	85%	80%	74%	68%	60%	53%	44%	36%	27%	18%	10%	4%	1%	1%

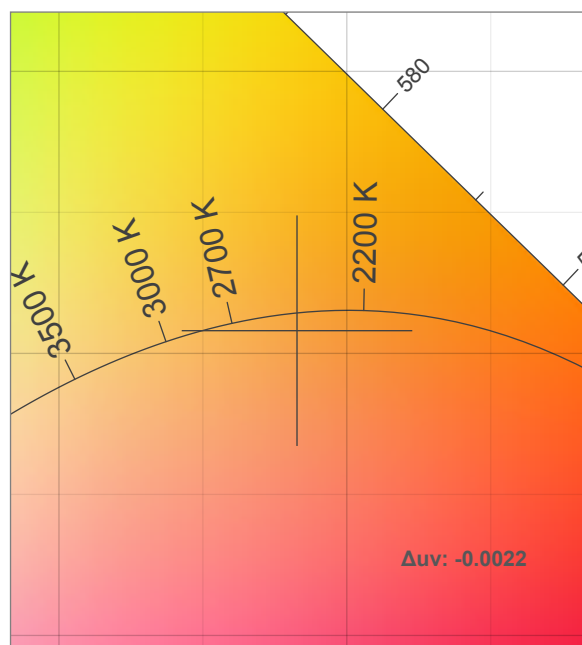
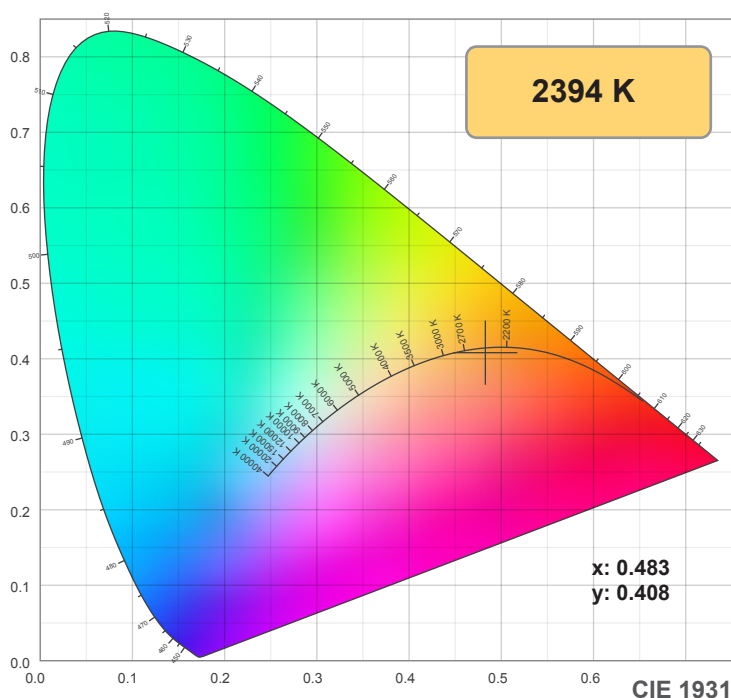
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
31.5	31.5	31.1	30.4	29.5	28.4	27.0	25.3	23.4	21.3	19.1	16.6	14.0	11.3	8.5	5.7	3.2	1.2	0.4	0.3
100%	100%	98%	96%	94%	90%	85%	80%	74%	68%	60%	53%	44%	36%	27%	18%	10%	4%	1%	1%

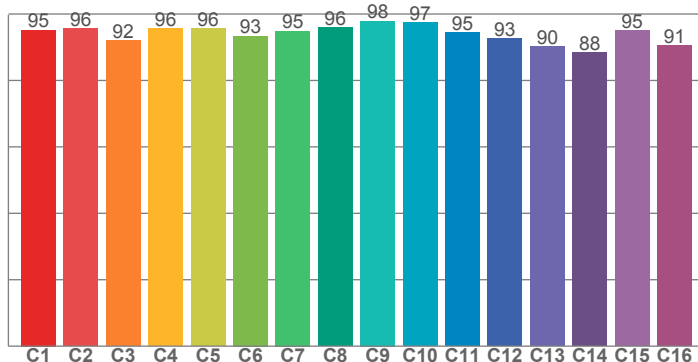
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113.2°	161°	175.6°	77.3%	52.5%

Note: specifications are representative of the diode type and not a particular tape light article.

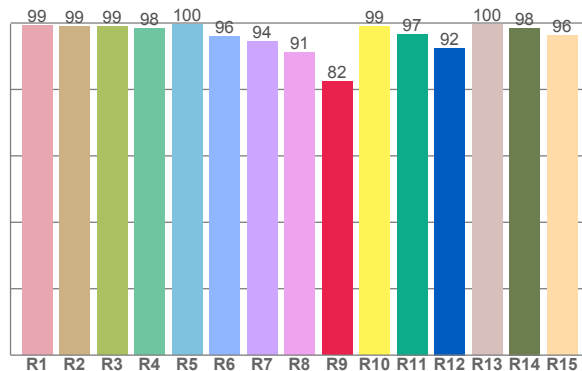
2400K



TM30: 94.4



CRI: 97.1 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.2	99.0	99.0	98.4	99.7	95.9	94.4	91.1	82.4	99.1	96.7	92.5	99.5	98.5	96.3

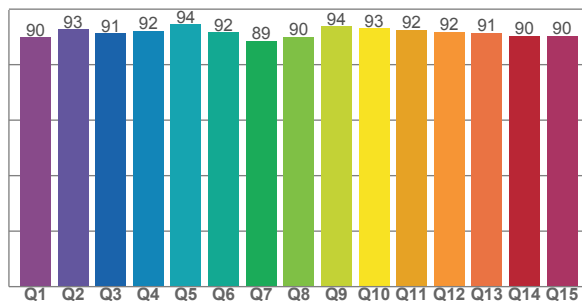
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.2	95.7	91.9	95.6	95.6	93.4	94.9	96.0	97.9	97.4	94.5	92.7	90.3	88.4	94.9	90.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89.8	92.6	91.2	92.1	94.4	91.6	88.6	90.0	93.8	93.0	92.4	91.7	91.4	90.4	90.3

CQS: 91.2



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2394 K	97.1	82.4	94.4	102.2	91.2	0.483	0.408	0.279	0.353	-0.0022

Note: specifications are representative of the diode type and not a particular tape light article.

2400K

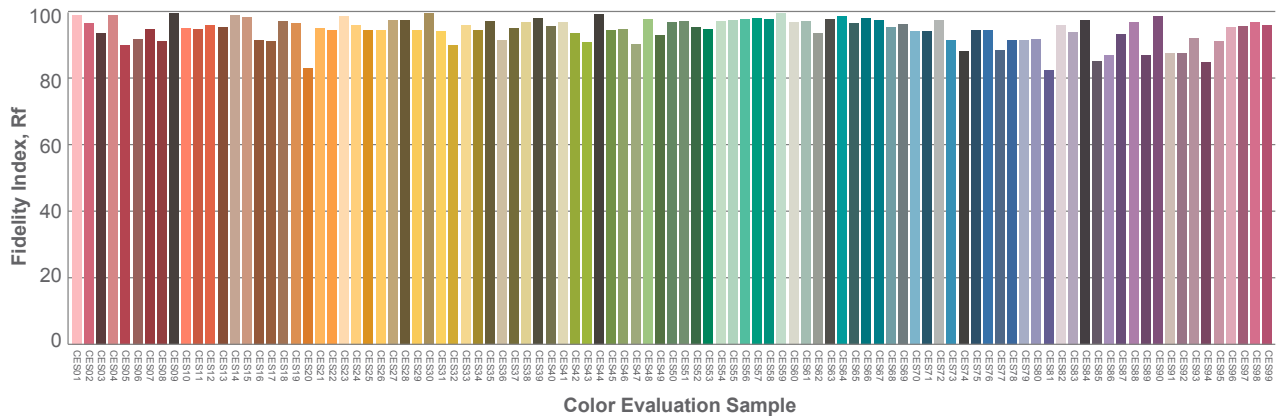
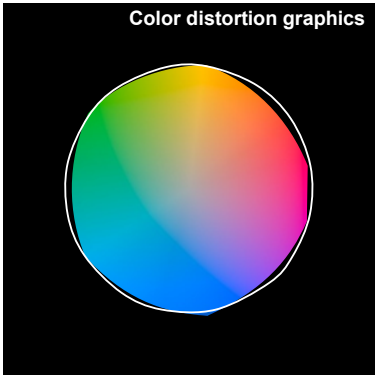
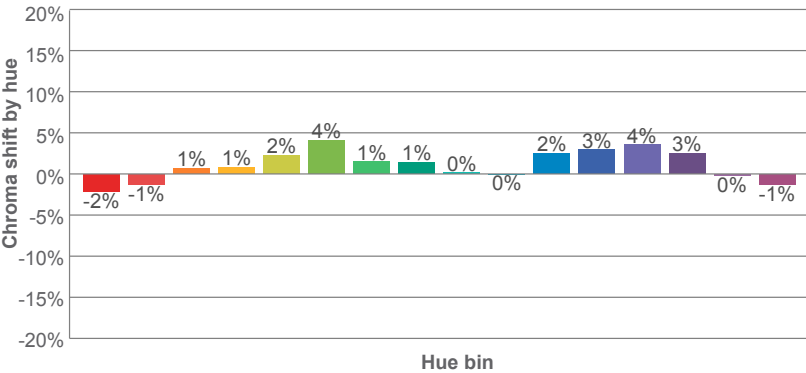
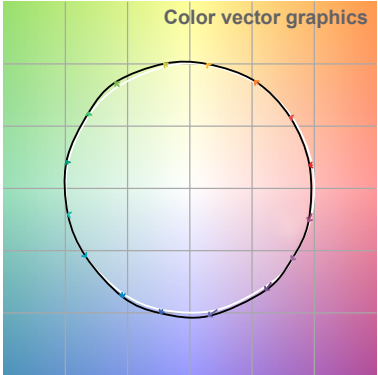
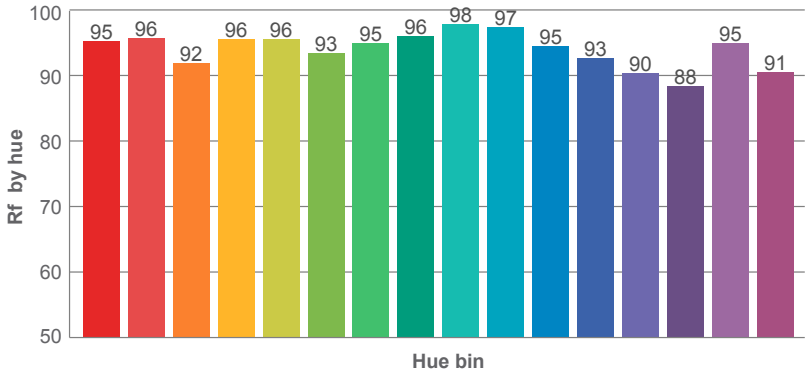
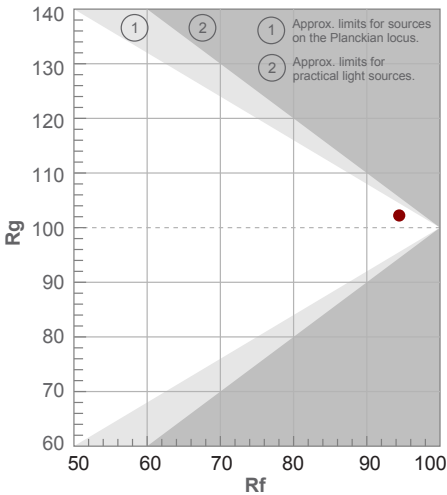
Rf 94.4

Fidelity index Rf

Rg 102.2

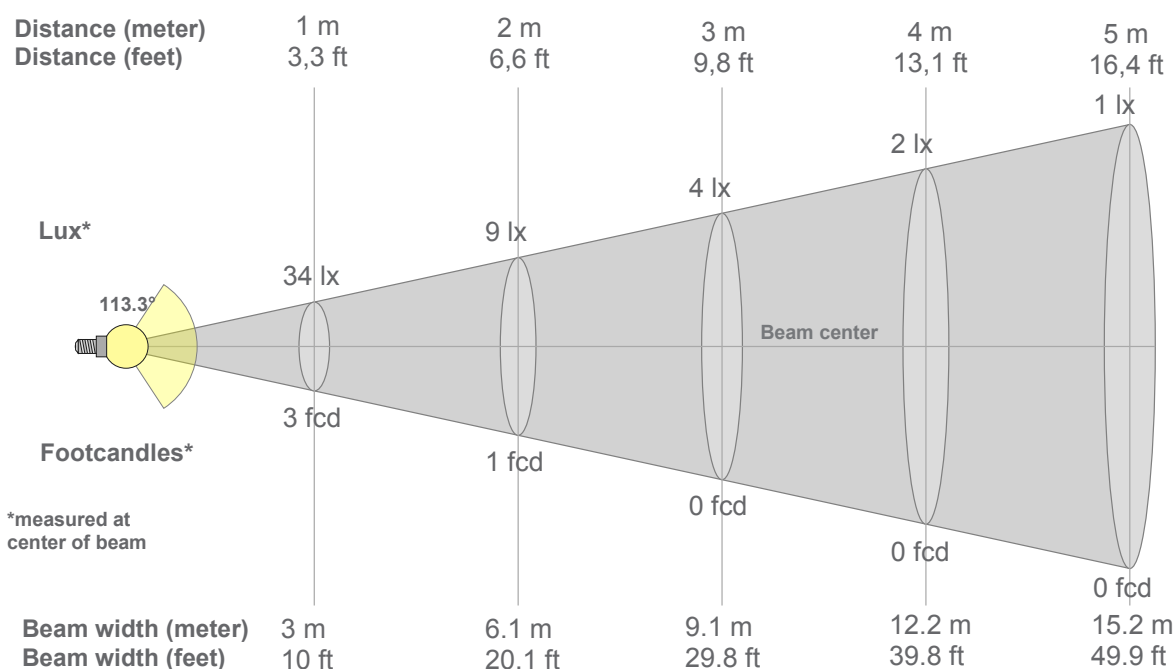
Gammut index Rg

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	95	-2%	0%
2	96	-1%	2%
3	92	1%	3%
4	96	1%	1%
5	96	2%	2%
6	93	4%	1%
7	95	1%	-2%
8	96	1%	-2%
9	98	0%	0%
10	97	0%	1%
11	95	2%	2%
12	93	3%	-1%
13	90	4%	-8%
14	88	3%	-7%
15	95	0%	-3%
16	91	-1%	-6%



Note: specifications are representative of the diode type and not a particular tape light article.

2400K



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
34lx	9lx	4lx	2lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
3.2fcd	0.8fcd	0.4fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.4	34.1	33.7	33.0	31.9	30.7	29.1	27.3	25.3	23.1	20.8	18.1	15.4	12.5	9.6	6.8	4.1	2.0	0.6	0.2
100%	99%	98%	96%	93%	89%	85%	79%	74%	67%	60%	53%	45%	36%	28%	20%	12%	6%	2%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.4	34.1	33.7	33.0	31.9	30.7	29.1	27.3	25.3	23.1	20.8	18.1	15.4	12.5	9.6	6.8	4.1	2.0	0.6	0.2
100%	99%	98%	96%	93%	89%	85%	79%	74%	67%	60%	53%	45%	36%	28%	20%	12%	6%	2%	1%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.4	34.2	33.9	33.2	32.2	30.9	29.4	27.6	25.5	23.3	20.8	18.2	15.3	12.3	9.3	6.4	3.8	1.6	0.5	0.4
100%	100%	99%	97%	94%	90%	86%	80%	74%	68%	61%	53%	44%	36%	27%	19%	11%	5%	1%	1%

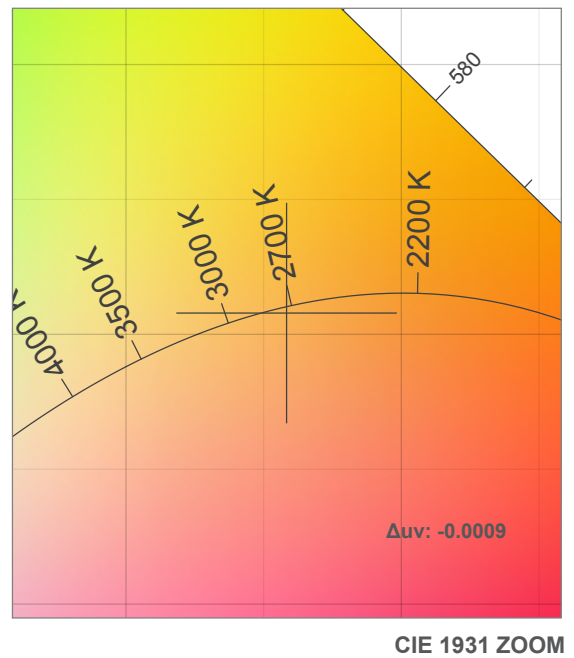
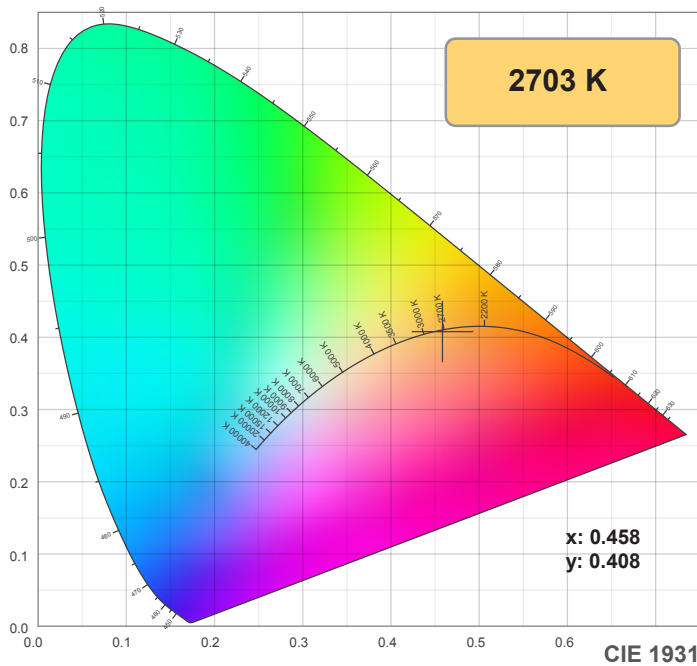
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.4	34.2	33.9	33.2	32.2	30.9	29.4	27.6	25.5	23.3	20.8	18.2	15.3	12.3	9.3	6.4	3.8	1.6	0.5	0.4
100%	100%	99%	97%	94%	90%	86%	80%	74%	68%	61%	53%	44%	36%	27%	19%	11%	5%	1%	1%

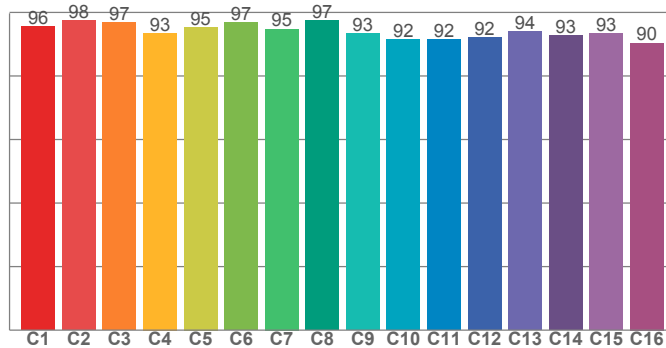
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113.3°	162.1°	175.3°	76.8%	52.1%

Note: specifications are representative of the diode type and not a particular tape light article.

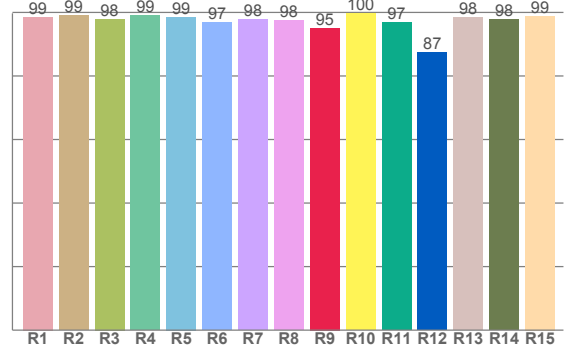
2700K



TM30: 94.1



CRI: 98.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.5	99.0	98.0	99.1	98.5	96.9	97.8	97.6	95.1	99.7	96.9	87.4	98.5	97.7	98.9

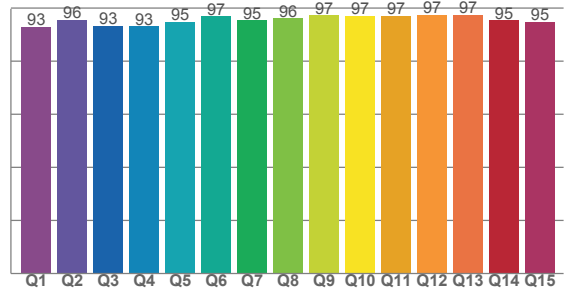
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.6	97.6	96.8	93.5	95.4	96.9	94.8	97.4	93.4	91.6	91.6	92.2	94.0	92.7	93.5	90.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.9	95.7	93.3	93.1	94.8	96.9	95.3	96.1	97.2	97.0	97.2	97.5	97.4	95.3	94.7

CQS: 95.1



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2703 K	98.2	95.1	94.1	100.3	95.1	0.458	0.408	0.263	0.351	-0.0009

2700K

Note: specifications are representative of the diode type and not a particular tape light article.

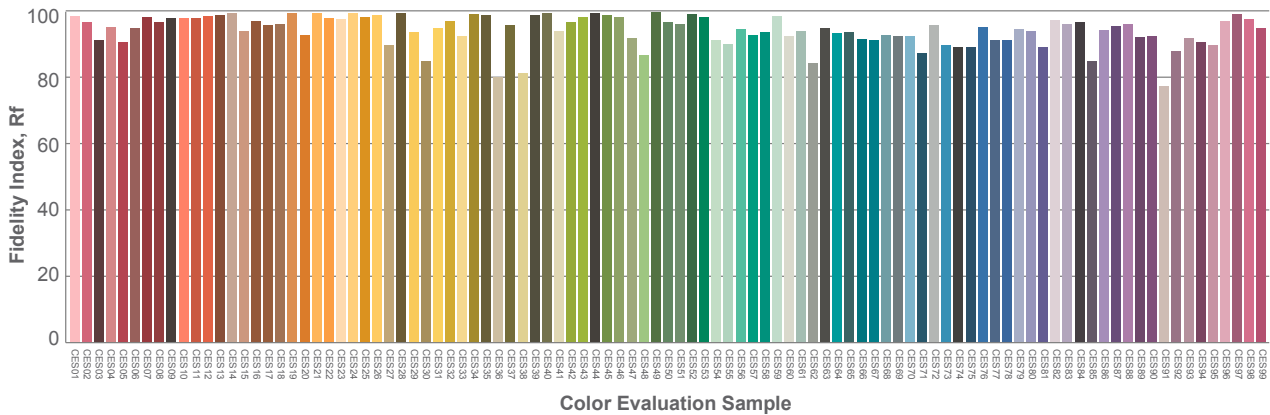
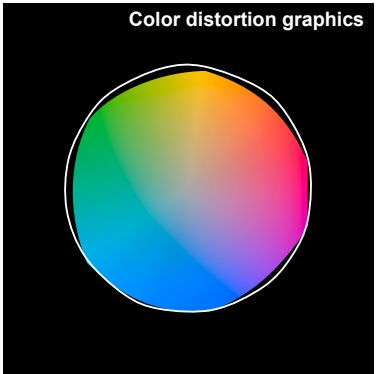
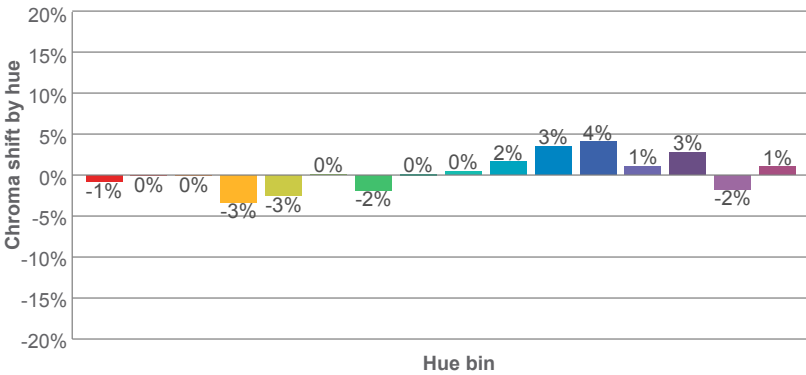
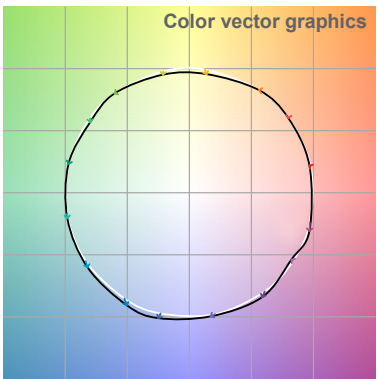
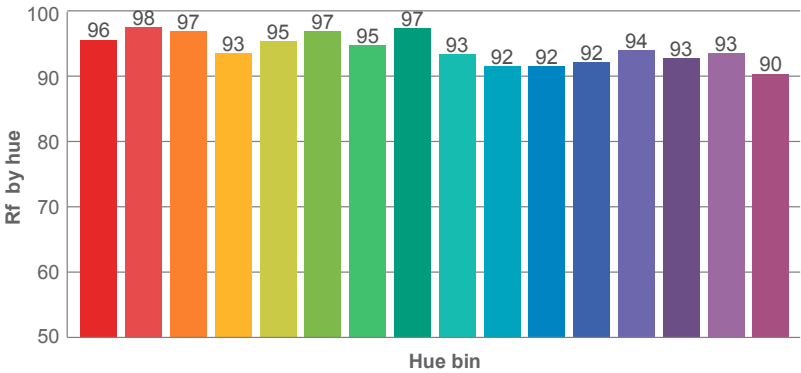
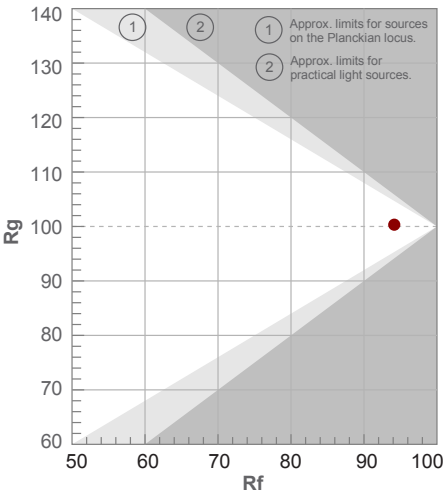
Rf 94.1

Fidelity index Rf

Rg 100.3

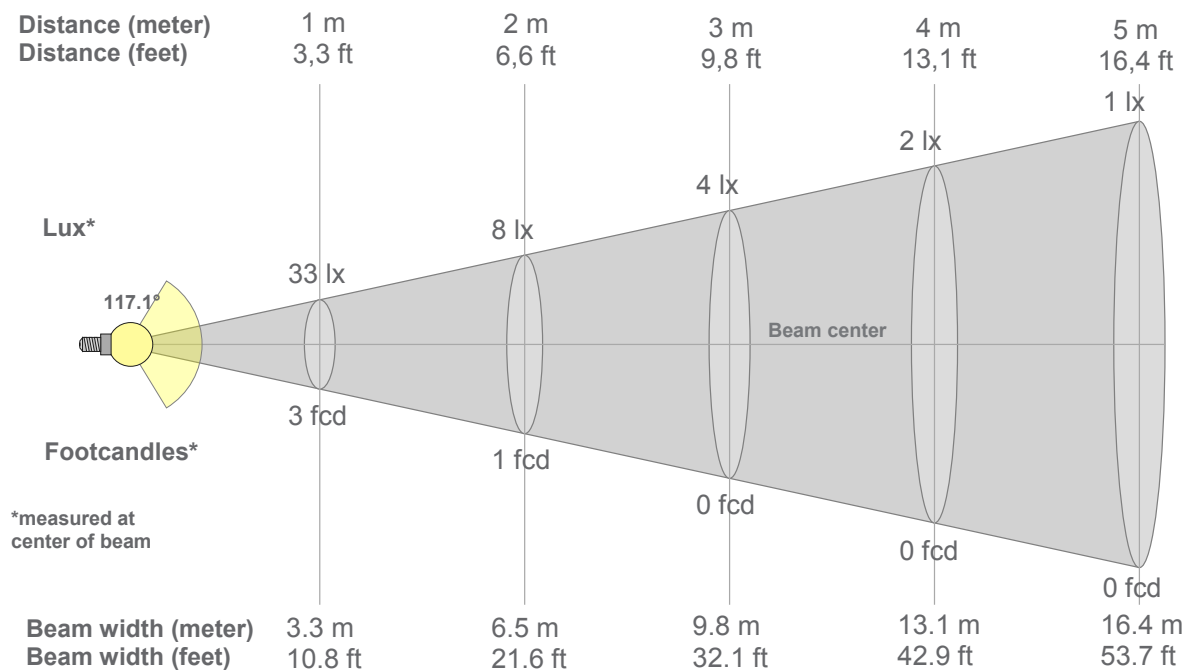
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	1%
2	98	0%	0%
3	97	0%	0%
4	93	-3%	-2%
5	95	-3%	1%
6	97	0%	1%
7	95	-2%	2%
8	97	0%	1%
9	93	0%	4%
10	92	2%	5%
11	92	3%	5%
12	92	4%	-1%
13	94	1%	-4%
14	93	3%	-4%
15	93	-2%	0%
16	90	1%	-7%



Note: specifications are representative of the diode type and not a particular tape light article.

2700K



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
33lx	8lx	4lx	2lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
3.1fcd	0.8fcd	0.3fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
33.2	33.0	32.5	31.9	30.9	29.8	28.4	26.8	24.9	22.9	20.8	18.4	15.8	13.2	10.4	7.7	5.0	2.6	0.9	0.4
100%	99%	98%	96%	93%	90%	86%	81%	75%	69%	63%	55%	48%	40%	32%	23%	15%	8%	3%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
33.2	33.0	32.5	31.9	30.9	29.8	28.4	26.8	24.9	22.9	20.8	18.4	15.8	13.2	10.4	7.7	5.0	2.6	0.9	0.4
100%	99%	98%	96%	93%	90%	86%	81%	75%	69%	63%	55%	48%	40%	32%	23%	15%	8%	3%	1%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
33.2	33.0	32.5	31.8	30.9	29.8	28.5	26.7	24.8	22.8	20.7	18.4	15.9	13.2	10.7	8.1	5.4	2.9	1.1	0.3
100%	100%	98%	96%	93%	90%	86%	81%	75%	69%	63%	55%	48%	40%	32%	24%	16%	9%	3%	1%

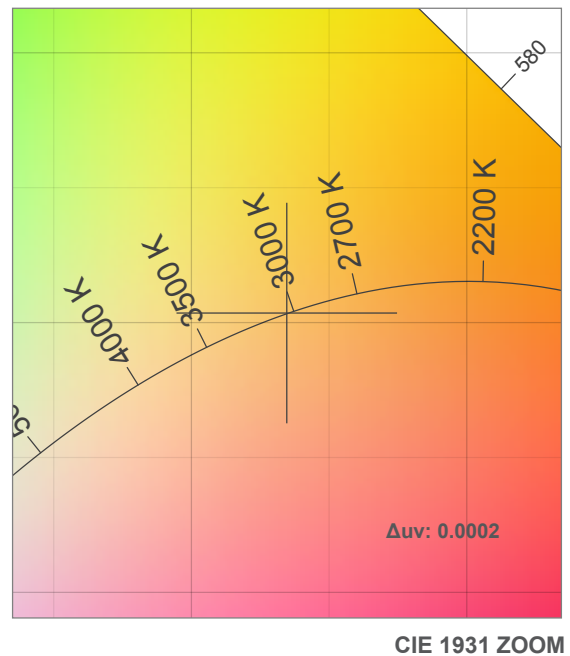
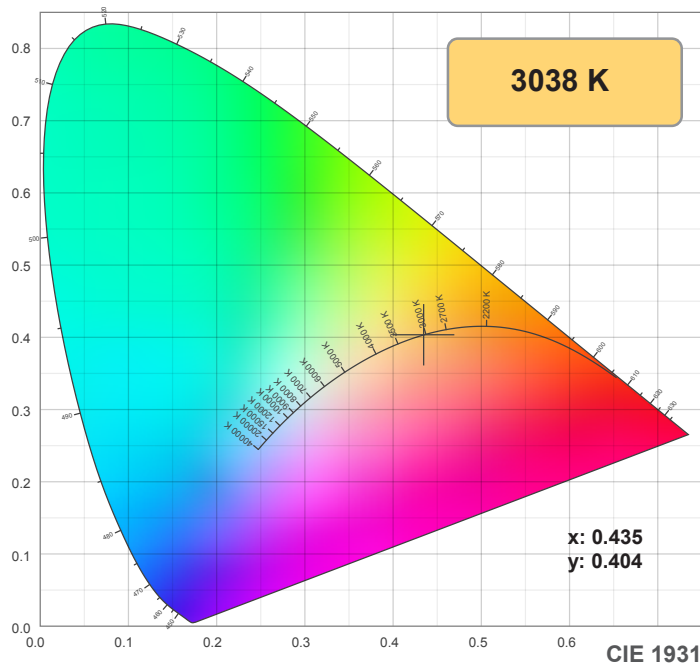
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
33.2	33.0	32.5	31.8	30.9	29.8	28.5	26.7	24.8	22.8	20.7	18.4	15.9	13.2	10.7	8.1	5.4	2.9	1.1	0.3
100%	100%	98%	96%	93%	90%	86%	81%	75%	69%	63%	55%	48%	40%	32%	24%	16%	9%	3%	1%

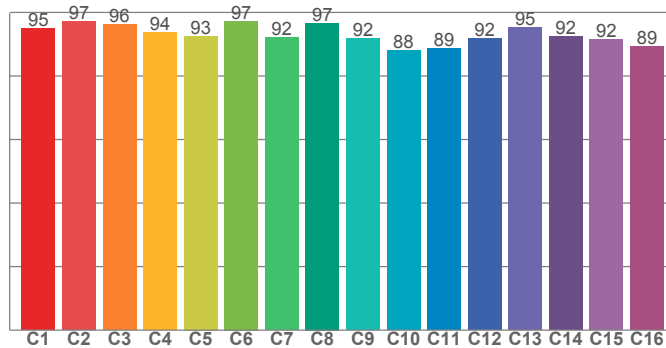
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
117.1°	167.8°	181.9°	74.1%	49.6%

Note: specifications are representative of the diode type and not a particular tape light article.

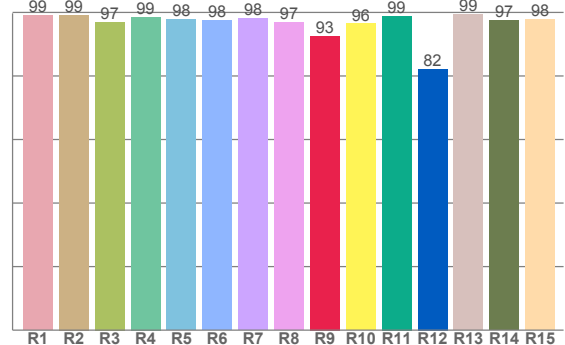
3000K



TM30: 93.1



CRI: 98.0 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.0	99.2	97.0	98.6	97.9	97.5	98.1	96.8	92.6	96.4	98.8	82.2	99.3	97.5	97.7

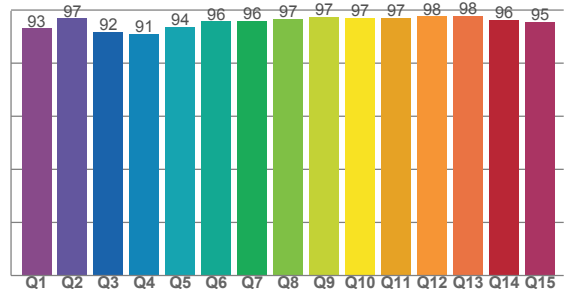
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	97.1	96.1	93.7	92.5	97.3	92.2	96.6	91.9	87.9	88.6	91.8	95.3	92.3	91.6	89.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.1	96.9	91.6	91.1	93.6	95.8	95.9	96.7	97.3	97.0	97.1	97.6	97.9	96.4	95.4

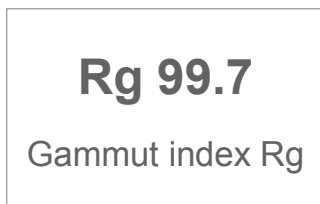
CQS: 94.9



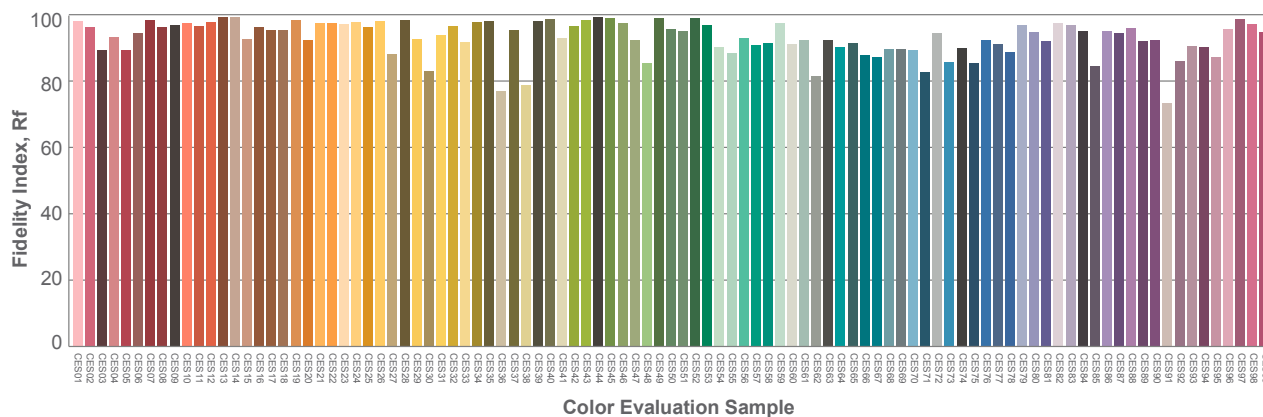
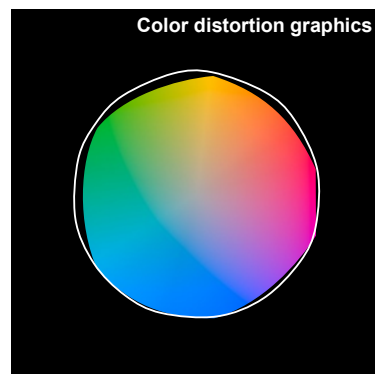
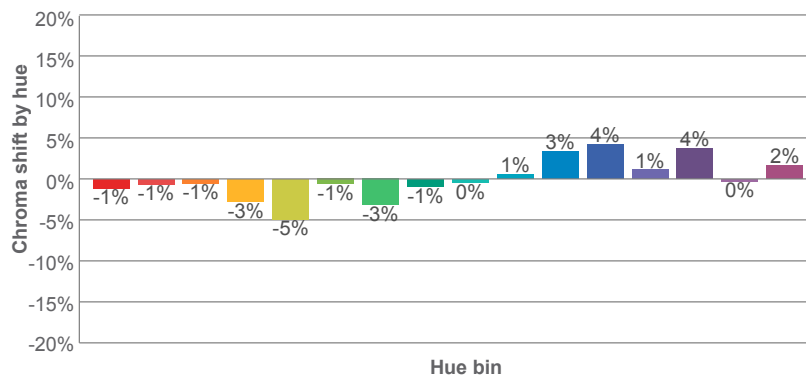
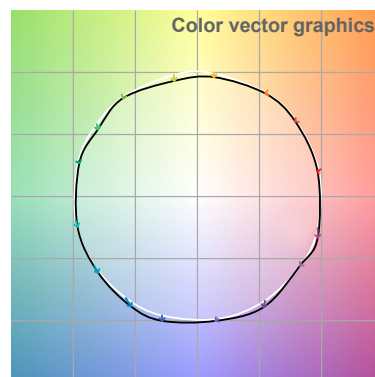
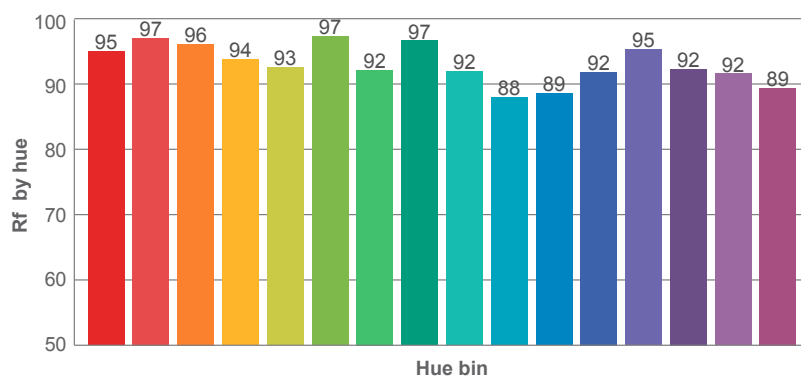
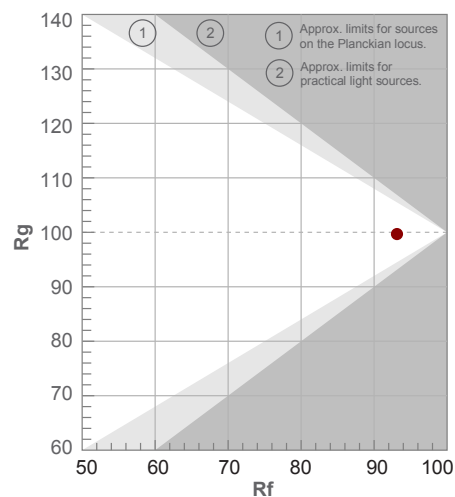
Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3038 K	98.0	92.6	93.1	99.7	94.9	0.435	0.404	0.249	0.347	0.0002

Note: specifications are representative of the diode type and not a particular tape light article.

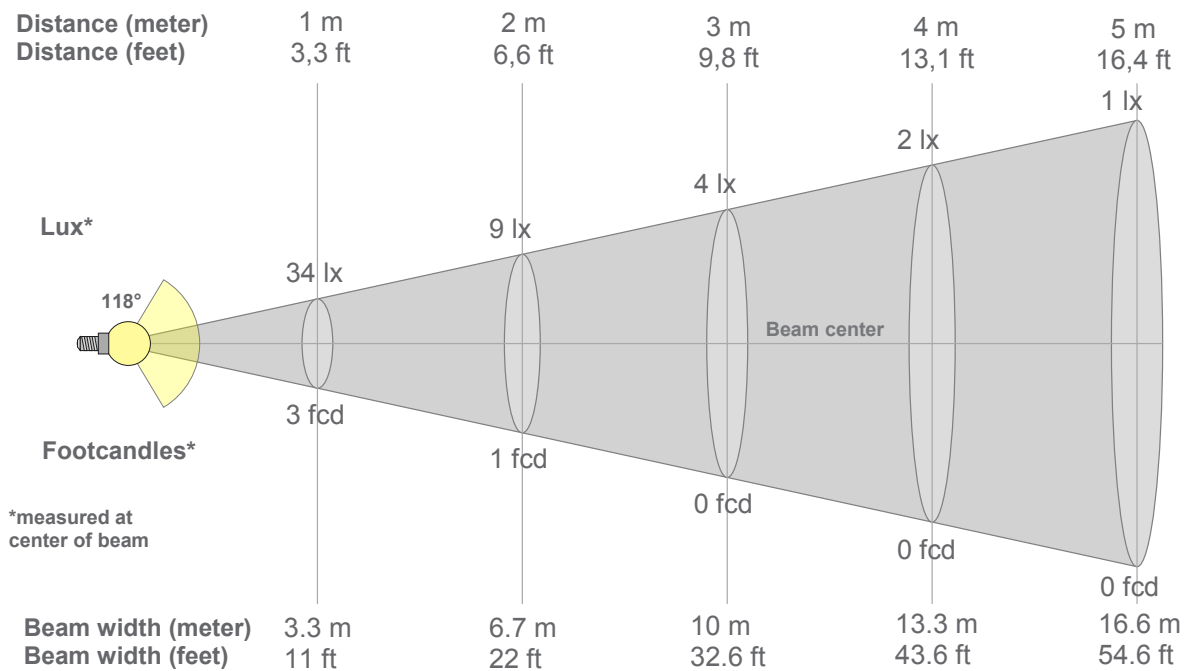


		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	-1%	0%
3	96	-1%	1%
4	94	-3%	-1%
5	93	-5%	0%
6	97	-1%	1%
7	92	-3%	3%
8	97	-1%	2%
9	92	0%	5%
10	88	1%	7%
11	89	3%	7%
12	92	4%	1%
13	95	1%	-3%
14	92	4%	-4%
15	92	0%	-2%
16	89	2%	-8%



Note: specifications are representative of the diode type and not a particular tape light article.

3000K



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
34lx	9lx	4lx	2lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
3.2fcd	0.8fcd	0.4fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.5	34.4	34.1	33.5	32.7	31.6	30.3	28.8	26.8	24.6	22.2	19.6	16.7	13.4	10.3	7.3	4.9	2.9	1.2	0.6
100%	100%	99%	97%	95%	92%	88%	83%	78%	71%	64%	57%	48%	39%	30%	21%	14%	8%	4%	2%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.5	34.4	34.1	33.5	32.7	31.6	30.3	28.8	26.8	24.6	22.2	19.6	16.7	13.4	10.3	7.3	4.9	2.9	1.2	0.6
100%	100%	99%	97%	95%	92%	88%	83%	78%	71%	64%	57%	48%	39%	30%	21%	14%	8%	4%	2%

Intensities in 180° c-plane

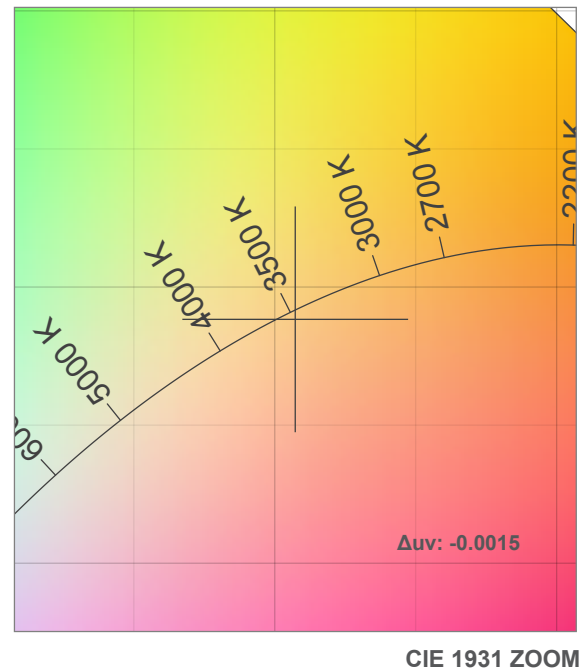
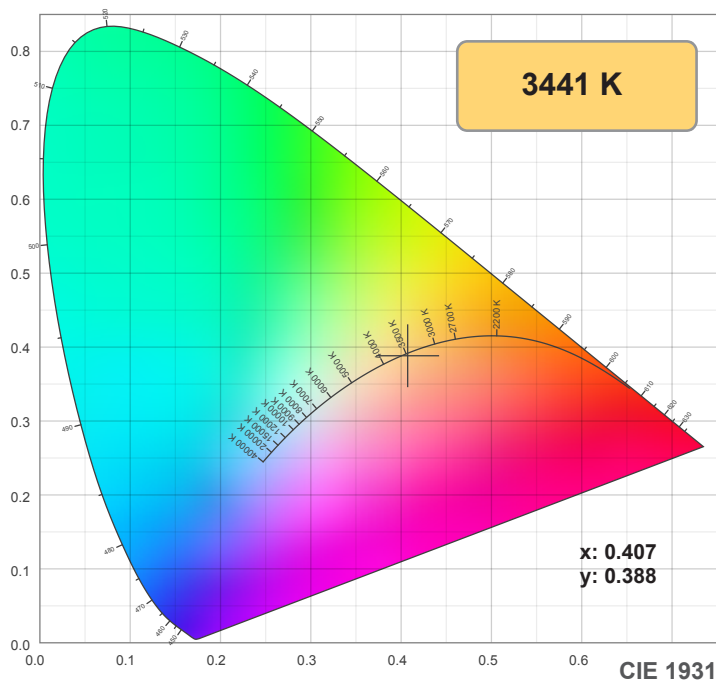
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.5	34.3	33.8	33.1	32.1	30.9	29.5	27.8	26.0	24.0	21.7	19.4	16.7	13.9	11.0	8.2	5.5	3.0	1.2	0.4
100%	99%	98%	96%	93%	90%	86%	81%	75%	69%	63%	56%	48%	40%	32%	24%	16%	9%	4%	1%

Intensities in 270° c-plane

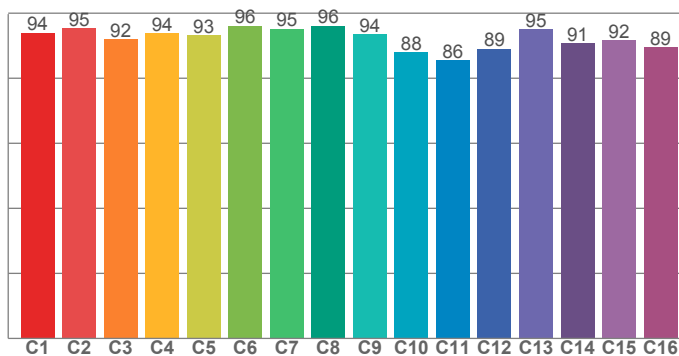
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
34.5	34.3	33.8	33.1	32.1	30.9	29.5	27.8	26.0	24.0	21.7	19.4	16.7	13.9	11.0	8.2	5.5	3.0	1.2	0.4
100%	99%	98%	96%	93%	90%	86%	81%	75%	69%	63%	56%	48%	40%	32%	24%	16%	9%	4%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
118°	167.6°	183.1°	74.0%	49.6%

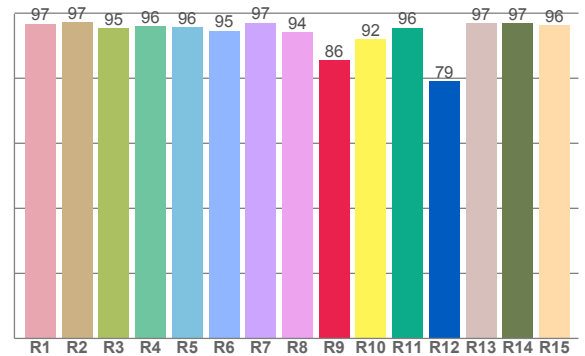
3500K



TM30: 92.3



CRI: 95.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	97.3	95.5	96.1	95.7	94.7	97.1	94.2	85.6	91.9	95.5	79.1	97.0	96.8	96.3

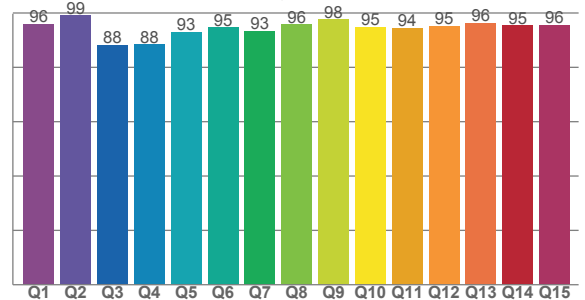
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.0	95.3	92.0	93.8	93.2	96.2	95.2	96.1	93.5	88.0	85.5	89.0	95.1	90.8	91.7	89.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.0	99.1	88.1	88.3	92.9	94.6	93.5	95.7	97.6	94.9	94.4	95.2	96.2	95.4	95.6

CQS: 93.8



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3441 K	95.9	85.6	92.3	100.7	93.8	0.407	0.388	0.238	0.340	-0.0015

Note: specifications are representative of the diode type and not a particular tape light article.

3500K

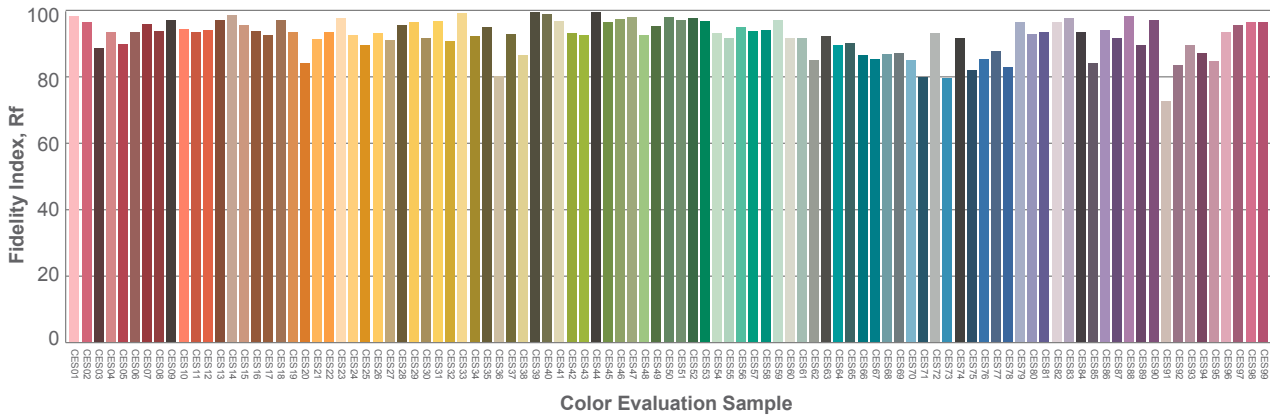
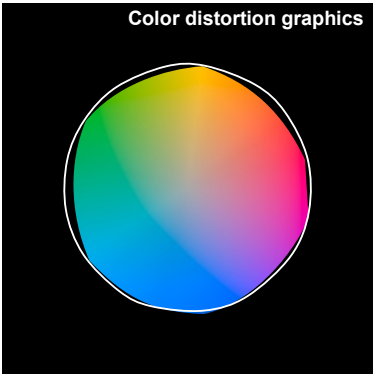
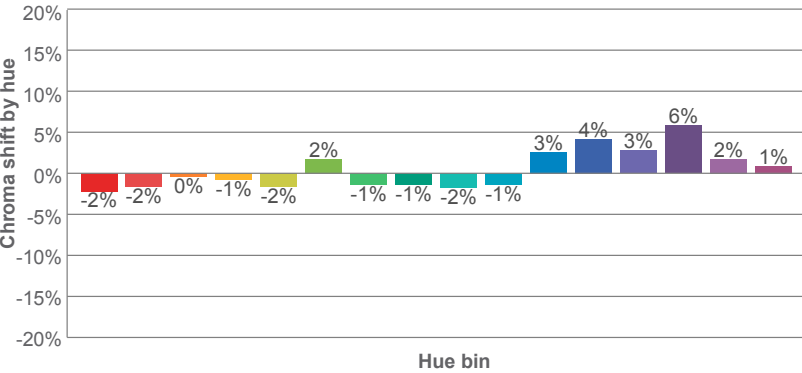
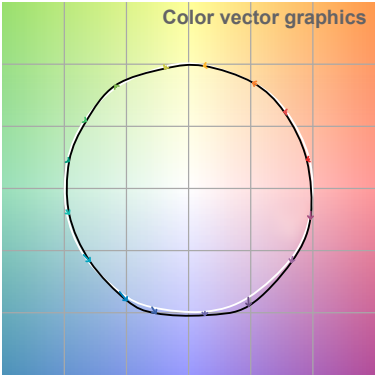
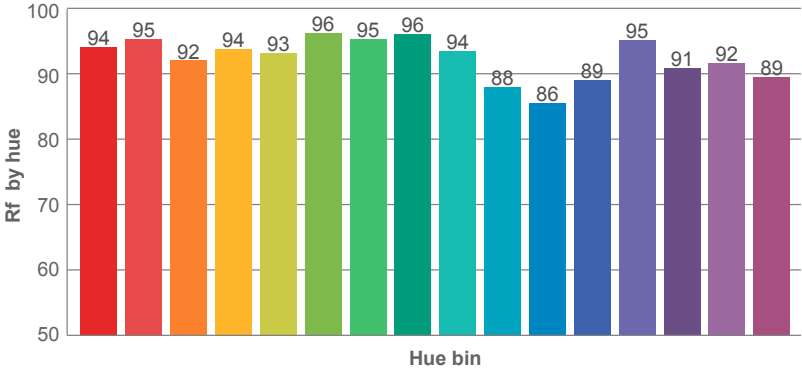
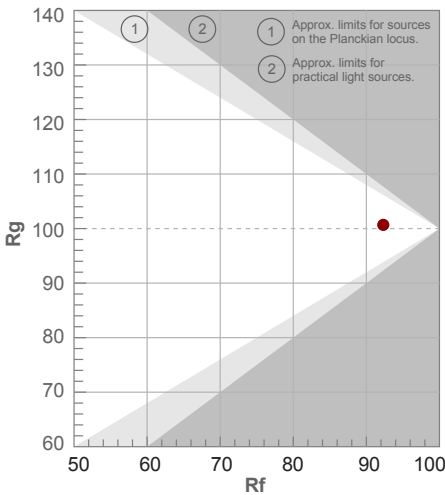
Rf 92.3

Fidelity index Rf

Rg 100.7

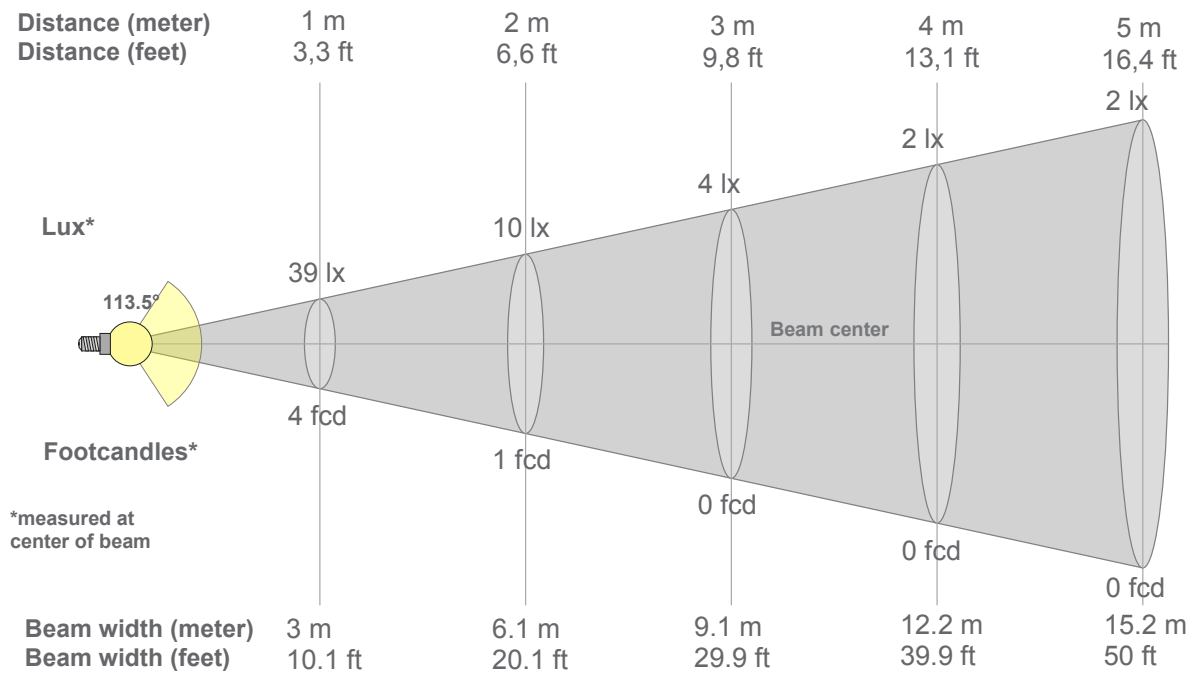
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	0%
2	95	-2%	1%
3	92	0%	3%
4	94	-1%	2%
5	93	-2%	2%
6	96	2%	0%
7	95	-1%	0%
8	96	-1%	1%
9	94	-2%	3%
10	88	-1%	7%
11	86	3%	9%
12	89	4%	4%
13	95	3%	-1%
14	91	6%	-3%
15	92	2%	-4%
16	89	1%	-6%



Note: specifications are representative of the diode type and not a particular tape light article.

3500K



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
39lx	10lx	4lx	2lx	2lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
3.6fcd	0.9fcd	0.4fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
39.1	38.8	38.3	37.5	36.4	34.9	33.2	31.2	28.9	26.4	23.6	20.6	17.4	14.1	10.7	7.5	4.5	2.0	0.6	0.2
100%	99%	98%	96%	93%	89%	85%	80%	74%	68%	61%	53%	45%	36%	27%	19%	11%	5%	1%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
39.1	38.8	38.3	37.5	36.4	34.9	33.2	31.2	28.9	26.4	23.6	20.6	17.4	14.1	10.7	7.5	4.5	2.0	0.6	0.2
100%	99%	98%	96%	93%	89%	85%	80%	74%	68%	61%	53%	45%	36%	27%	19%	11%	5%	1%	1%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
39.1	38.9	38.4	37.6	36.5	35.1	33.4	31.4	29.1	26.5	23.7	20.6	17.4	14.0	10.5	7.2	4.2	1.7	0.4	0.2
100%	100%	98%	96%	94%	90%	85%	80%	74%	68%	61%	53%	45%	36%	27%	19%	11%	4%	1%	0%

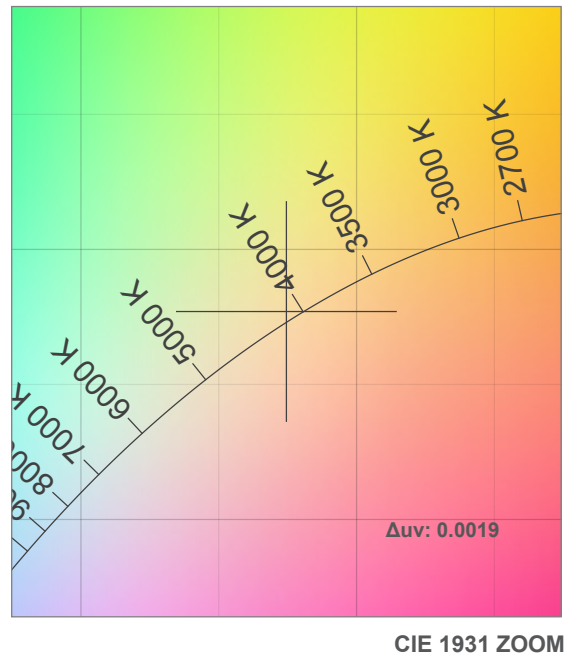
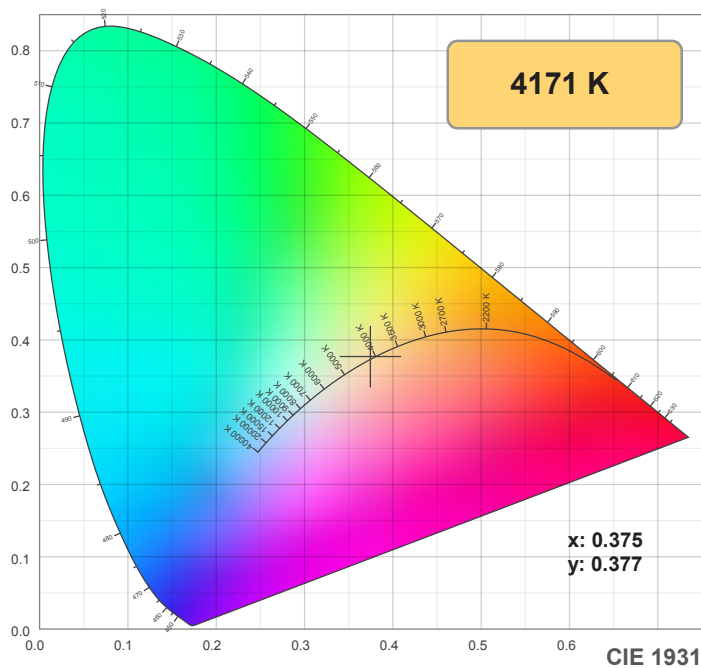
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
39.1	38.9	38.4	37.6	36.5	35.1	33.4	31.4	29.1	26.5	23.7	20.6	17.4	14.0	10.5	7.2	4.2	1.7	0.4	0.2
100%	100%	98%	96%	94%	90%	85%	80%	74%	68%	61%	53%	45%	36%	27%	19%	11%	4%	1%	0%

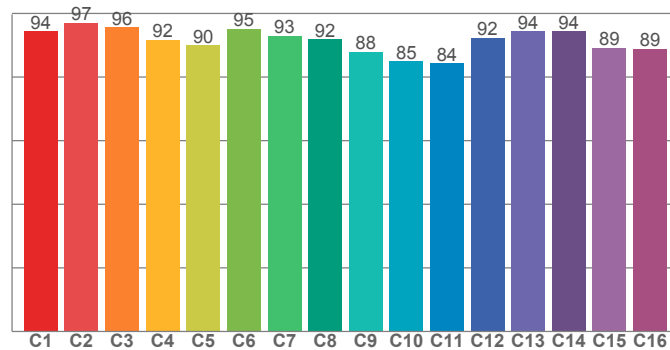
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113.5°	161.6°	174.5°	77.2%	52.4%

Note: specifications are representative of the diode type and not a particular tape light article.

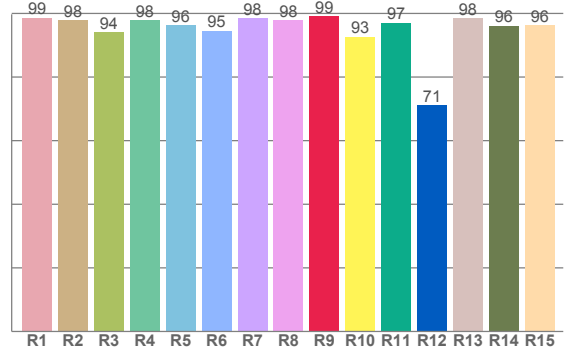
4200K



TM30: 91.3



CRI: 97.0 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.7	97.8	94.2	97.8	96.2	94.6	98.5	98.0	99.1	92.7	97.1	71.1	98.5	96.2	96.4

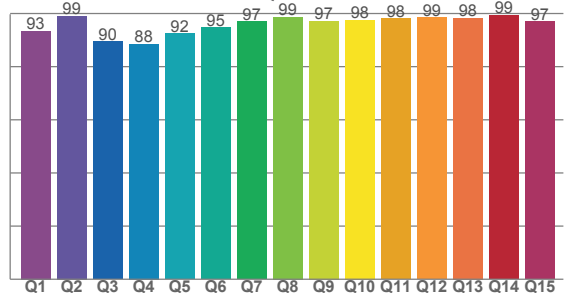
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.4	97.1	95.7	91.7	90.1	95.2	93.0	91.8	87.9	84.9	84.4	92.4	94.3	94.4	89.2	88.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.4	99.0	89.5	88.5	92.4	94.8	97.0	98.7	97.2	97.5	98.1	98.5	98.3	99.3	97.0

CQS: 94.7



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4171 K	97.0	99.1	91.3	99.3	94.7	0.375	0.377	0.221	0.334	0.0019

4200K

Note: specifications are representative of the diode type and not a particular tape light article.

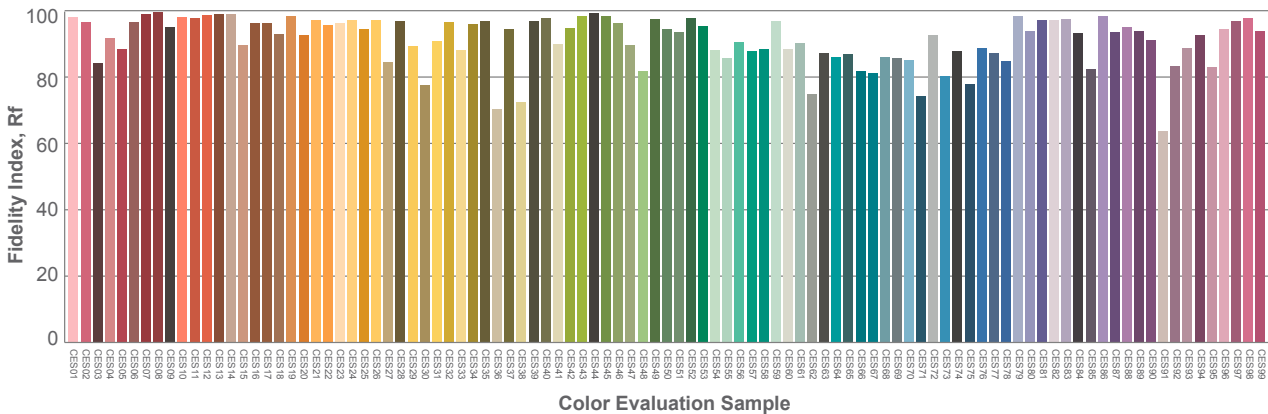
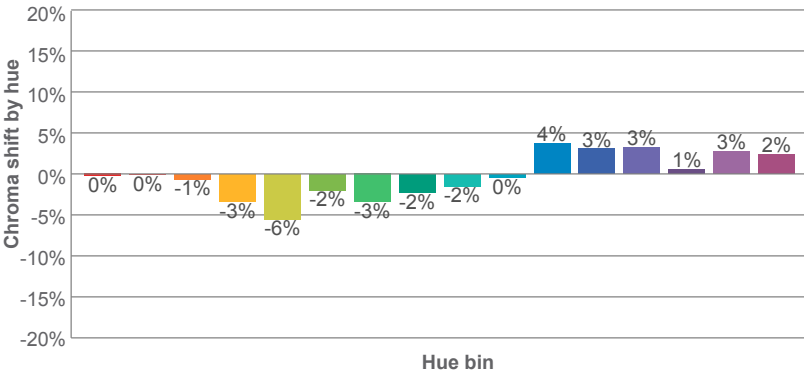
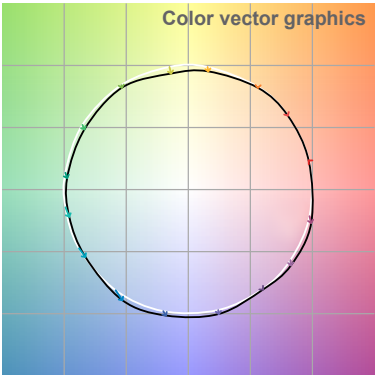
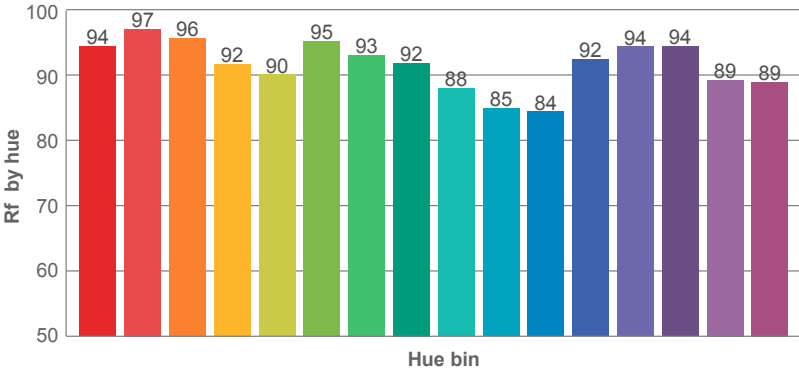
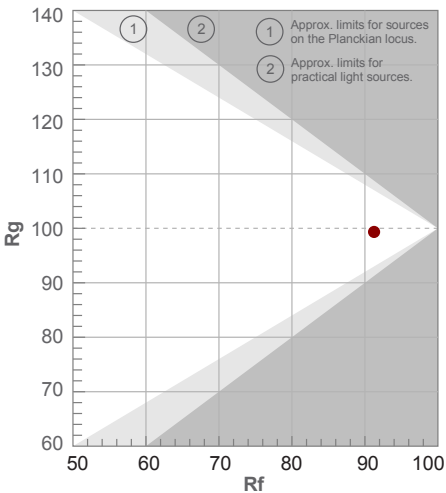
Rf 91.3

Fidelity index Rf

Rg 99.3

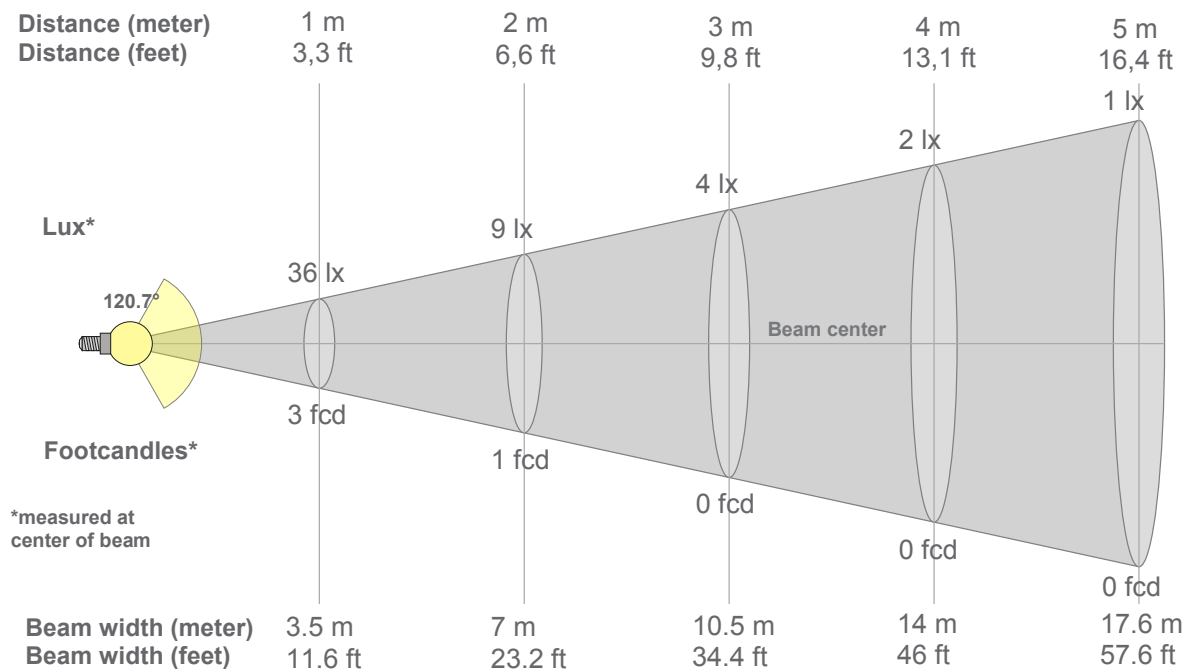
Gammut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	0%
2	97	0%	-1%
3	96	-1%	0%
4	92	-3%	-1%
5	90	-6%	0%
6	95	-2%	1%
7	93	-3%	2%
8	92	-2%	4%
9	88	-2%	8%
10	85	0%	9%
11	84	4%	9%
12	92	3%	3%
13	94	3%	0%
14	94	1%	0%
15	89	3%	-3%
16	89	2%	-5%



Note: specifications are representative of the diode type and not a particular tape light article.

4200K



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
36lx	9lx	4lx	2lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
3.3fcd	0.8fcd	0.4fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
36.0	35.9	35.5	34.7	33.8	32.7	31.4	29.8	27.9	25.8	23.5	21.0	18.2	15.3	12.3	9.7	7.7	5.3	2.7	0.8
100%	100%	98%	96%	94%	91%	87%	83%	77%	72%	65%	58%	51%	42%	34%	27%	21%	15%	8%	2%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
36.0	35.9	35.5	34.7	33.8	32.7	31.4	29.8	27.9	25.8	23.5	21.0	18.2	15.3	12.3	9.7	7.7	5.3	2.7	0.8
100%	100%	98%	96%	94%	91%	87%	83%	77%	72%	65%	58%	51%	42%	34%	27%	21%	15%	8%	2%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
36.0	36.0	35.6	35.0	34.1	33.1	31.6	29.7	27.7	25.8	23.4	21.0	18.2	15.3	12.2	9.2	6.2	3.5	1.4	0.3
100%	100%	99%	97%	95%	92%	88%	82%	77%	72%	65%	58%	51%	42%	34%	25%	17%	10%	4%	1%

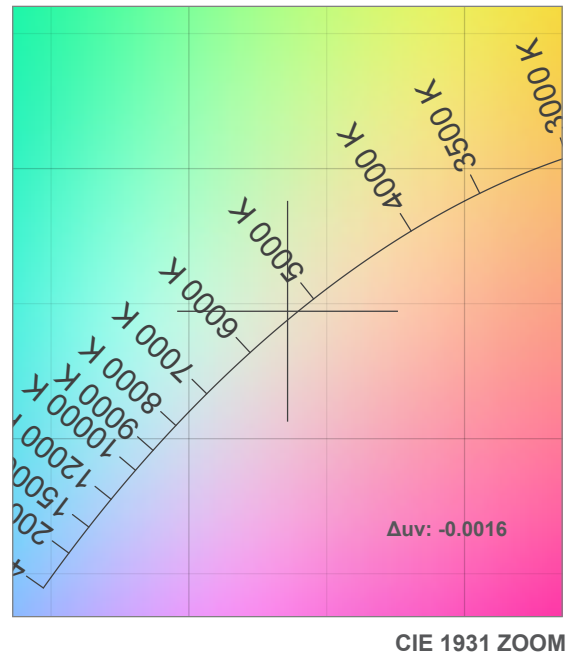
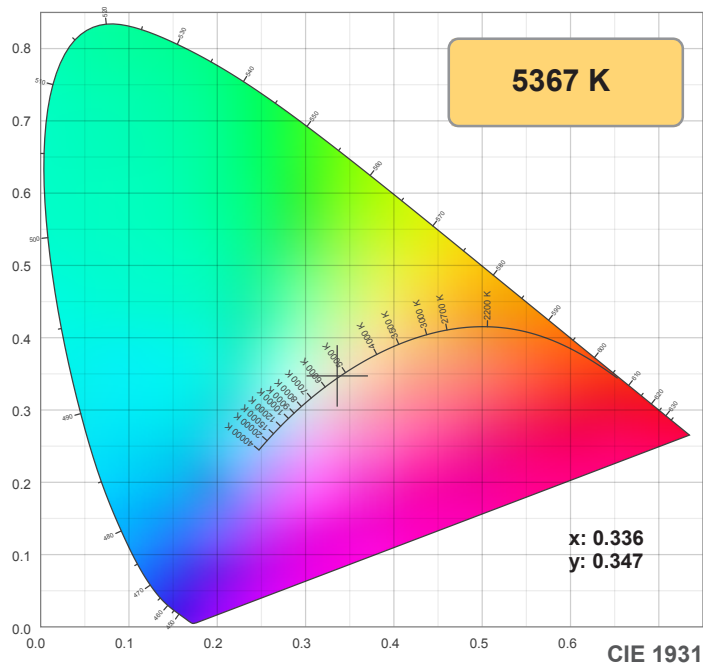
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
36.0	36.0	35.6	35.0	34.1	33.1	31.6	29.7	27.7	25.8	23.4	21.0	18.2	15.3	12.2	9.2	6.2	3.5	1.4	0.3
100%	100%	99%	97%	95%	92%	88%	82%	77%	72%	65%	58%	51%	42%	34%	25%	17%	10%	4%	1%

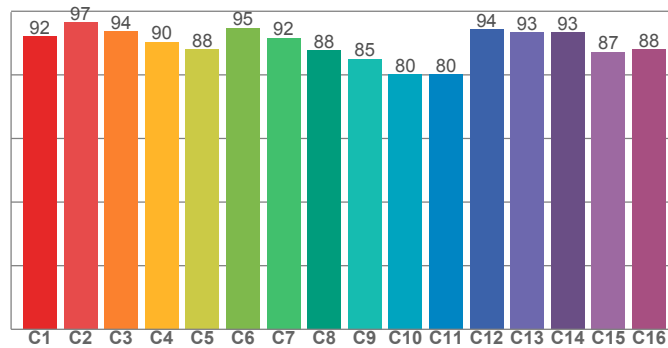
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
120.7°	173°	186.3°	72.0%	47.9%

Note: specifications are representative of the diode type and not a particular tape light article.

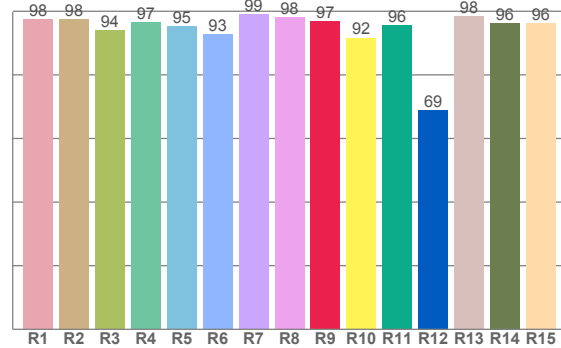
5000K



TM30: 89.4



CRI: 96.3 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.5	97.5	93.9	96.5	95.2	92.8	98.9	98.2	96.7	91.7	95.6	68.9	98.4	96.3	96.2

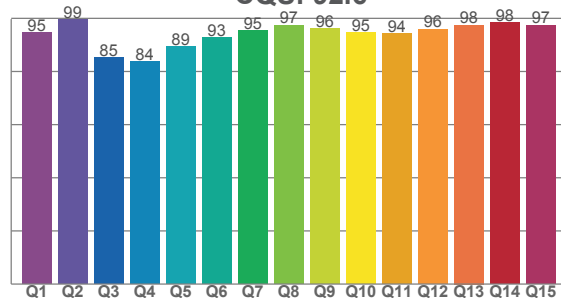
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.1	96.5	93.7	90.3	88.0	94.8	91.7	87.7	85.0	80.2	80.2	94.3	93.3	93.3	87.3	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.6	99.5	85.3	83.6	89.2	92.8	95.4	97.4	96.1	94.6	94.2	95.9	97.5	98.4	97.4

CQS: 92.6



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color divition from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5367 K	96.3	96.7	89.4	98.8	92.6	0.336	0.347	0.207	0.321	-0.0016

Note: specifications are representative of the diode type and not a particular tape light article.

5000K

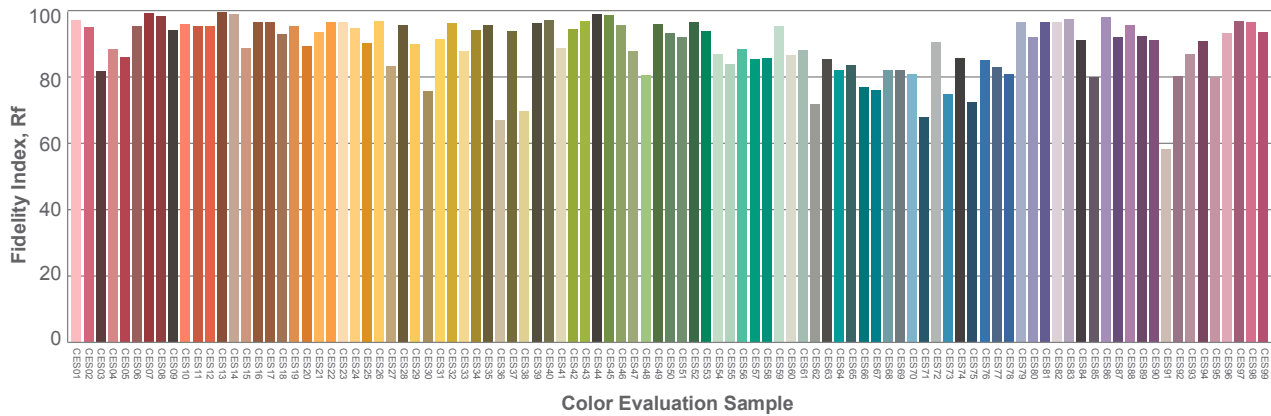
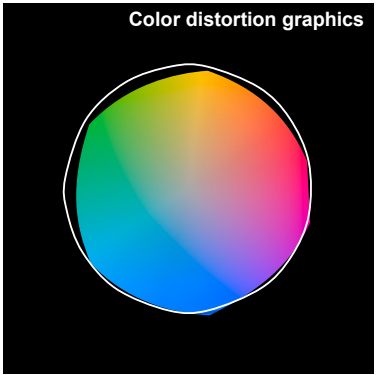
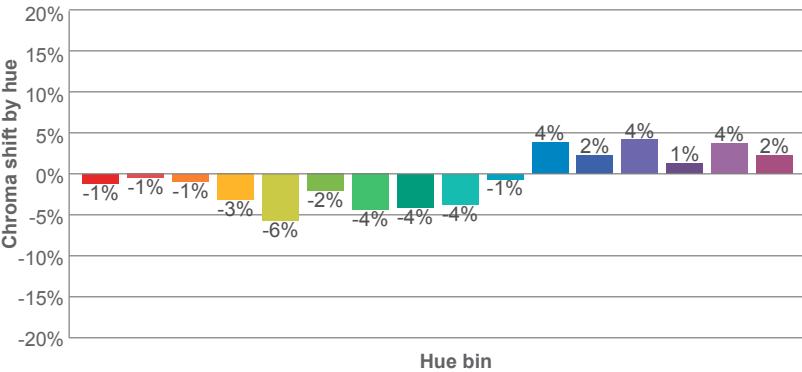
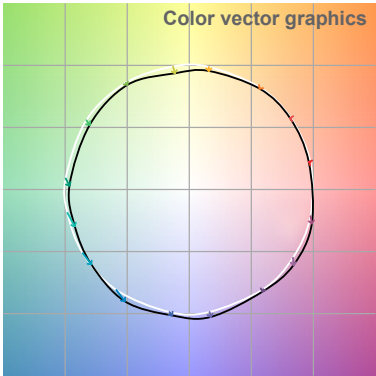
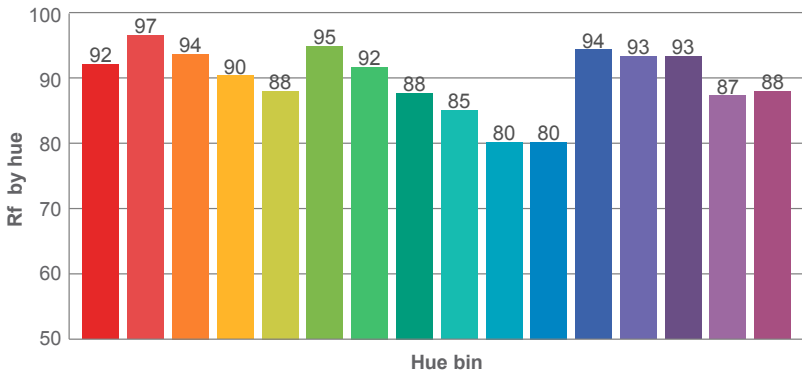
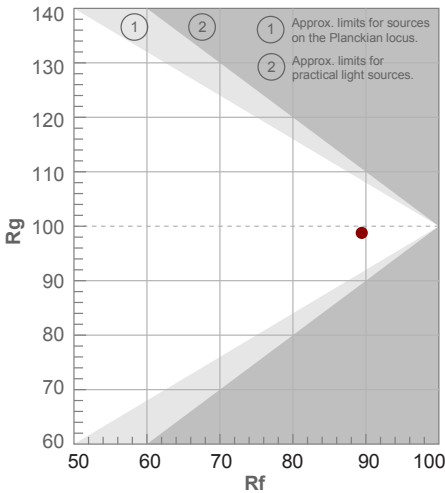
Rf 89.4

Fidelity index Rf

Rg 98.8

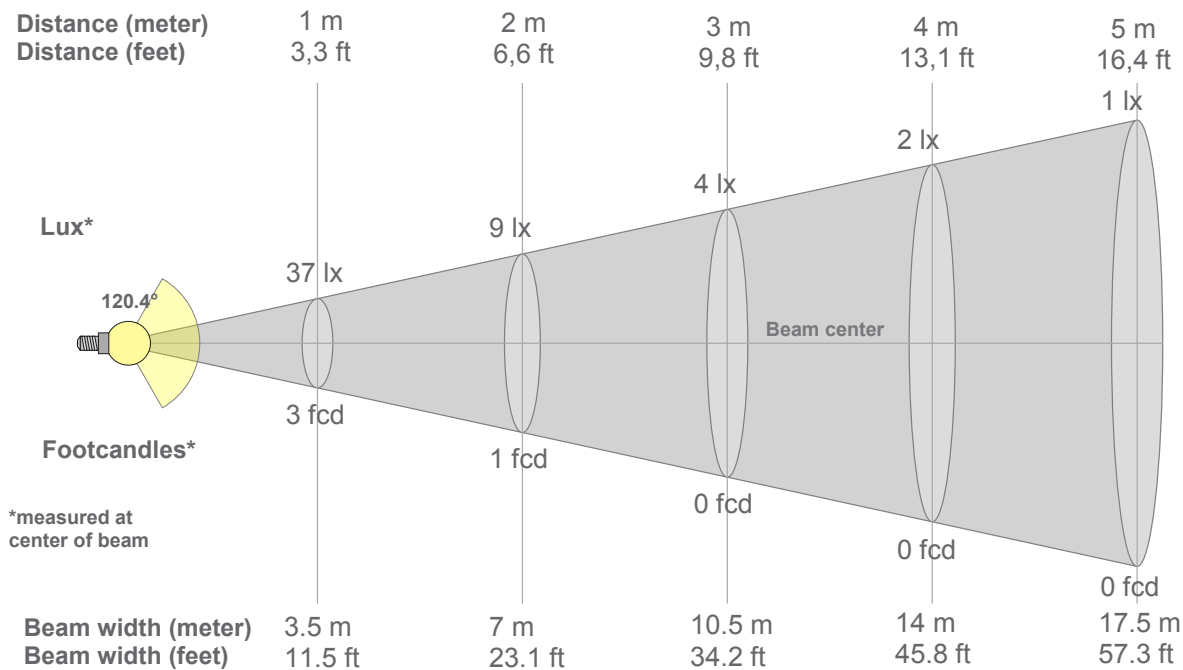
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-1%	1%
2	97	-1%	1%
3	94	-1%	0%
4	90	-3%	-1%
5	88	-6%	0%
6	95	-2%	0%
7	92	-4%	2%
8	88	-4%	5%
9	85	-4%	12%
10	80	-1%	11%
11	80	4%	11%
12	94	2%	3%
13	93	4%	0%
14	93	1%	-2%
15	87	4%	-5%
16	88	2%	-6%



Note: specifications are representative of the diode type and not a particular tape light article.

5000K



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
37lx	9lx	4lx	2lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
3.4fcd	0.9fcd	0.4fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
37.0	37.0	36.6	36.0	35.2	34.1	32.6	30.9	28.9	26.6	24.2	21.6	18.7	15.6	12.3	8.9	5.7	3.0	1.2	0.4
100%	100%	99%	97%	95%	92%	88%	83%	78%	72%	65%	58%	50%	42%	33%	24%	15%	8%	3%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
37.0	37.0	36.6	36.0	35.2	34.1	32.6	30.9	28.9	26.6	24.2	21.6	18.7	15.6	12.3	8.9	5.7	3.0	1.2	0.4
100%	100%	99%	97%	95%	92%	88%	83%	78%	72%	65%	58%	50%	42%	33%	24%	15%	8%	3%	1%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
37.0	36.8	36.2	35.4	34.3	32.9	31.2	29.5	27.7	25.6	23.4	21.0	18.6	16.1	13.4	10.6	7.7	5.0	2.5	0.7
100%	99%	98%	96%	93%	89%	84%	80%	75%	69%	63%	57%	50%	43%	36%	29%	21%	13%	7%	2%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
37.0	36.8	36.2	35.4	34.3	32.9	31.2	29.5	27.7	25.6	23.4	21.0	18.6	16.1	13.4	10.6	7.7	5.0	2.5	0.7
100%	99%	98%	96%	93%	89%	84%	80%	75%	69%	63%	57%	50%	43%	36%	29%	21%	13%	7%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
120.4°	171.1°	185.2°	72.3%	48.1%