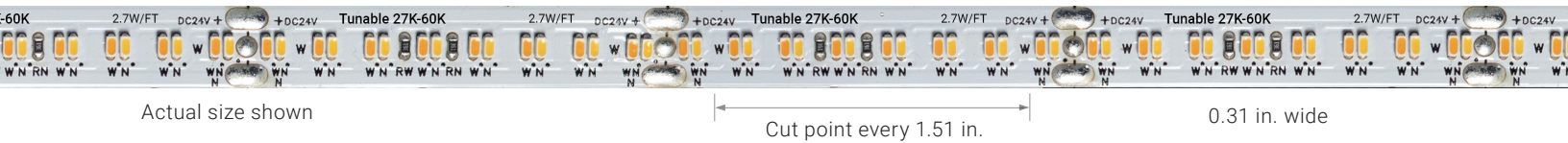


ALLOY LED® Specifications

VariTune™ 2.7 LP LED Tape Light



Featuring a wide tuning range from warm 2700K to a crisp 6000K and a high 95+ CRI, this tape light delivers exceptional color quality and flexibility for residential or commercial applications. Ideal for architectural millwork, cove lighting, and modern living spaces, VariTune 2.7 LP Tunable offers unmatched control and clean, consistent illumination in a discreet, compact form.

- Tunable White Range from 2700K to 6000K
- Industry-leading 95+ CRI (Color Rendering Index)
- Narrow PCB and tightly spaced diode pitch for hotspot-free illumination in most Alloy LED Channels
- Pair with PowerFactor Wet Location Multi-Drive Dimmable Driver with Junction Box and PowerFactor Multi-Drive VariTune Switch.

TECHNICAL INFORMATION

Stocked Color Temperature	2700K~6000K	Diode Type	2110
Power Consumption Per Foot	2.7 W	Mounting	3M™ Self-Adhesive Tape (Non-porous)
Input Voltage	24V DC	Operating Temperature	-77° F to 140° F
Diodes per foot	63	Ambient Temperature	-104° F to 176° F
Diode Spacing	0.19 inches	Environment	Indoor, Dry
Tape Height	0.1 inches	Spool Lengths*	20 ft
Beam Angle	120°	Certifications	UL Listed, UL 2108, CE, RoHS, UL Closet Rated
Field Cuttable (UL 2108)	Every 1.51 inches	Warranty	6 Year Limited
Max Run Length	36 ft.		
Dimmable	Yes		

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

PRODUCT INFORMATION

20 ft. Spool Item Number	Voltage	Color Temperature	CRI	R9 Values	R13 Values	Lumens / foot (Max Output)
AL-01-87-2401	24V DC	2700K~6000K	95	97.64	97.4	269

VOLTAGE DROP GUIDANCE CHART

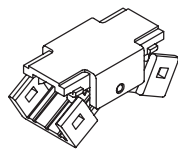
Standard Non-XT 24V Voltage Drop & Wire Length Distance Chart (3% Drop or 24V)

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.

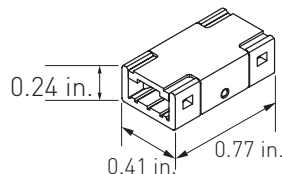
Note: These tables provide general guidelines for determining Wire Gauge based on total load and distance from LED driver to beginning of luminaire.

ACCESSORIES (SOLD SEPARATELY)

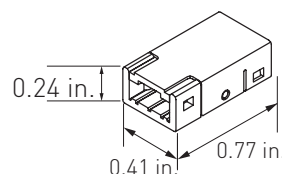
In-Wall-Rated Tape Light Connectors(20 AWG)



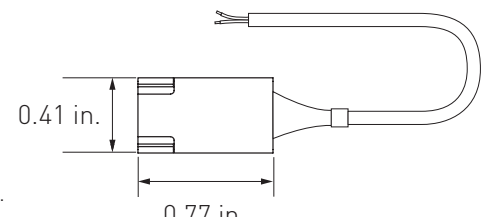
Tape-to-Tape Connector



Tape-to-Tape Connector



Tape Light Splice Connector



Tape Light Splice Connector

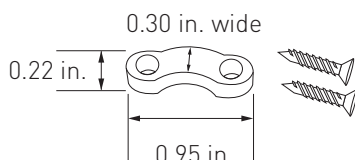
Item Number	Description	Wire
AL-01-87-9901	Tape-to-Tape Connector	N/A
AL-01-87-9901-10	Tape-to-Tape Connector (10-pack)	N/A

Item Number	Description	Wire
AL-01-87-9902	Tape Light Splice Connector	6 in.
AL-01-87-9902-10	Tape Light Splice Connector (10-pack)	6 in.

Wire and Tape Light Management

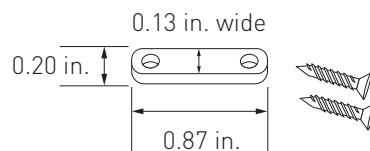
We recommend the use of the wire and tape harness.

- 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

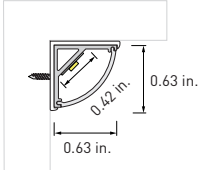
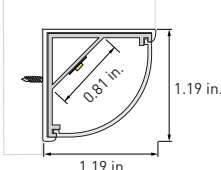
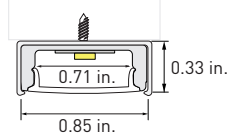
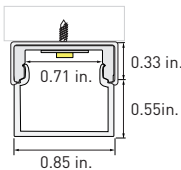
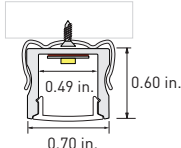
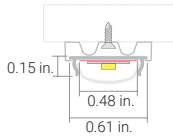
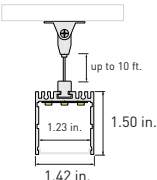
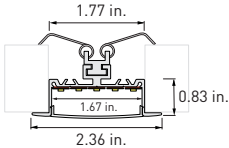
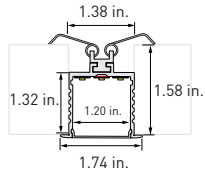
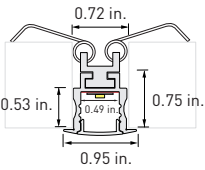
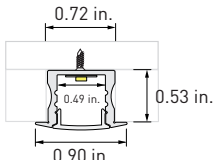
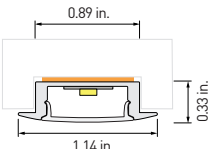
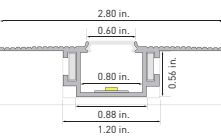
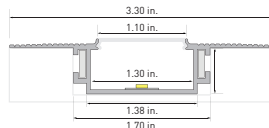
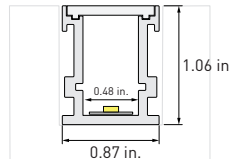
Holds wire in place securely
AL-01-99-9901-10 (10-pack)



Tape Harness

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

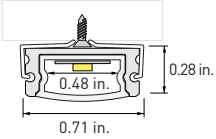
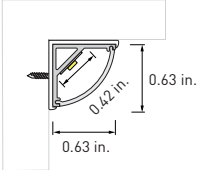
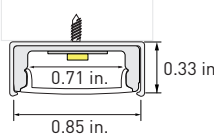
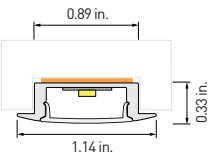
Reduced Hotspot Pairings (Hotspot Rating from 0-5)

Surfa 2: Corner-Mount  Hotspot Rating: 1 ☒ Solder ☒ Connector ☐ TapeMate	Surfa 2X: Corner-Mount  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	Surfa 6: Surface-Mount  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate
Surfa 6 Surround: Surface-Mount  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	Surfa 7: Surface-Mount  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	SurfaFlex 1: Bendable Surface-Mount  Hotspot Rating: 2 ☒ Solder ☒ Connector ☐ TapeMate
Suspan 1: Suspended  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	Ankr 1: In-Wall  Hotspot Rating: 1 ☒ Solder ☒ Connector ☐ TapeMate	Ankr 2: In-Wall  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate
Ankr 3: In-Wall  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	Ankr 4: Mud-In  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	Naro 4: Recessed  Hotspot Rating: 2 ☒ Solder ☒ Connector ☐ TapeMate
Mudr 1: In-Wall  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	Mudr 2: In-Wall  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate	Duro 1: In-Ground  Hotspot Rating: 0 ☒ Solder ☒ Connector ☐ TapeMate

ALLOY LED® Specifications

COMPATIBLE CHANNELS (Diagrams below not to scale)

Other Compatible Pairings (Hotspot Rating from 0-5)

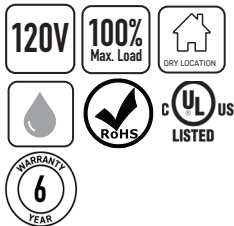
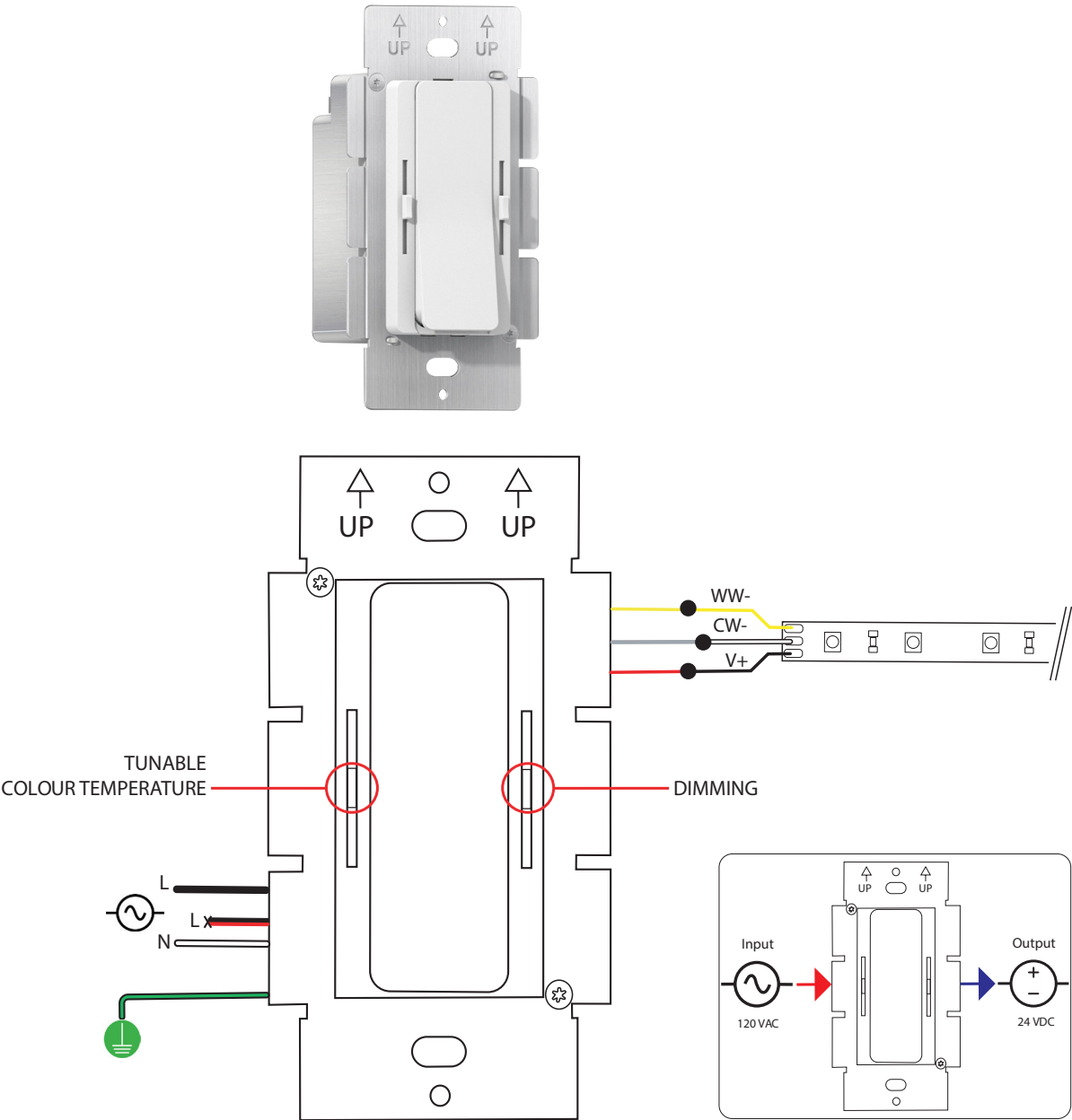
Surfa 1: Surface-Mount  Hotspot Rating: 2 ☒ Solder ☒ Connector ☐ TapeMate	Surfa 2: Corner-Mount  Hotspot Rating: 1 ☒ Solder ☒ Connector ☐ TapeMate	Surfa 6: Surface-Mount  Hotspot Rating: 2 ☒ Solder ☒ Connector ☐ TapeMate
Naro 4: Recessed  Hotspot Rating: 2 ☒ Solder ☒ Connector ☐ TapeMate		

ALLOY LED® Specifications

RECOMMENDED POWER SUPPLIES(SOLD SEPARATELY)



AdaptDrive VariTune Tunable White provides seamless control over both brightness and color temperature from a single interface.



Item Number	Output	Input	Wattage	Minimum Load	Dimensions (L x W x H)
AL-97-03-24096	24V	120Vac	96W	10%	4.13 x 2.12 x 1.59in.
AL-97-03-24160	24V	120Vac	160 W	10%	4.13 x 2.12 x 1.59in.

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

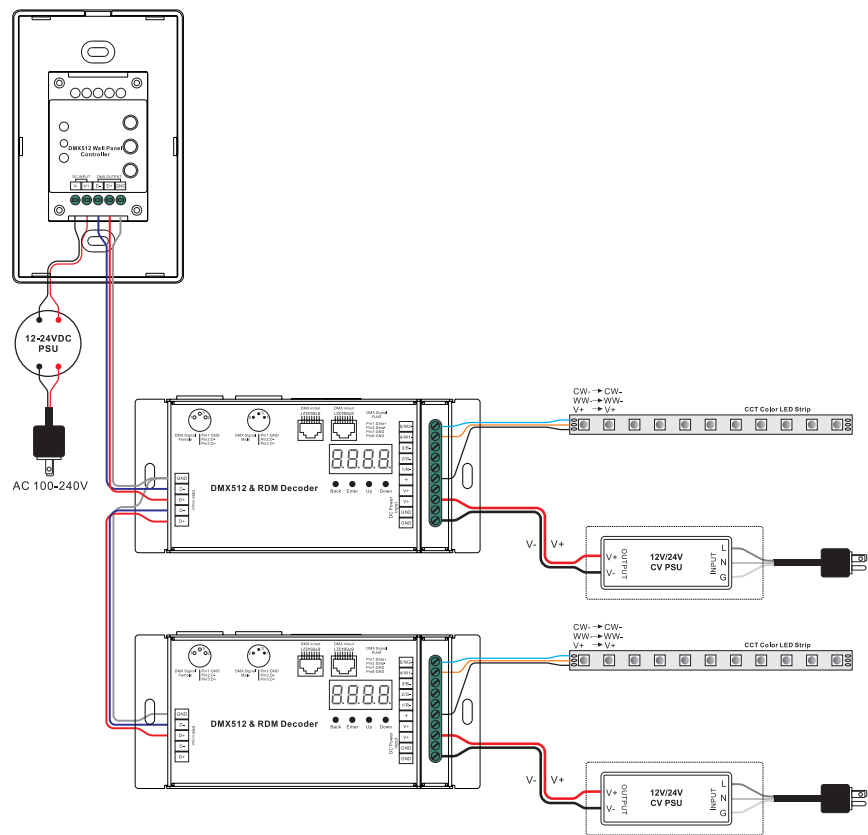
ALLOY LED® Specifications

DIMMING ACCESORIES(SOLD SEPARATELY)



DMX TOUCH WALL CONTROLLER - 12 OR 24V DC

It's ideal for applications requiring precise control over color temperature and brightness from a single compact unit.



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



Item Number	Output	Power consumption	Dimensions (L x W x H)	Class 2
AL-60-03-0011	DMX512	<20mA	4.72in x 2.95in. x 1.5in.	Yes

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

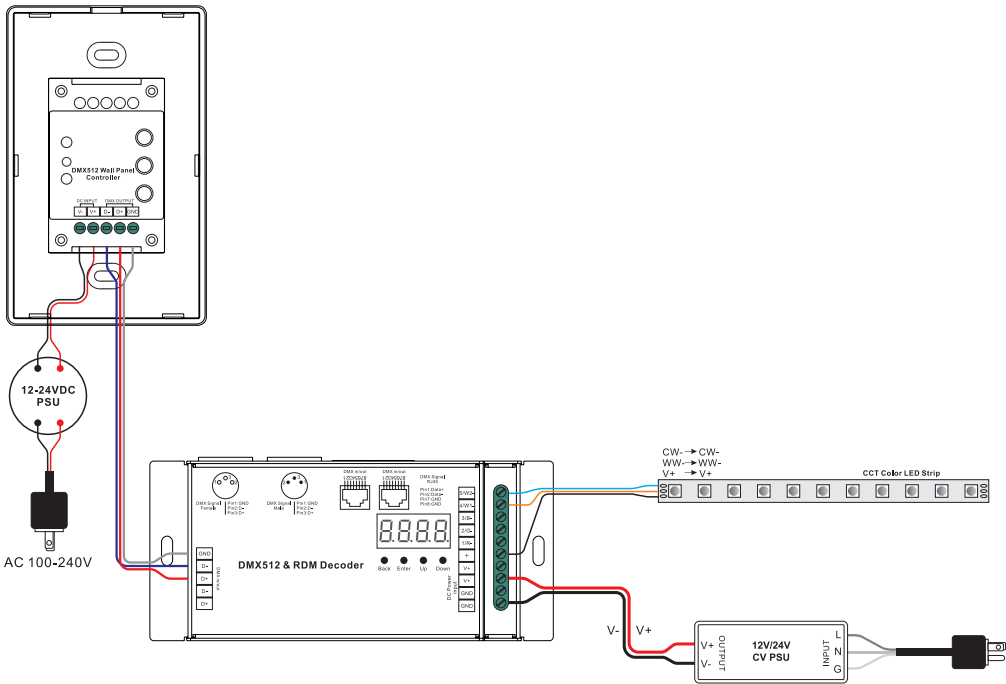
DIMMING ACCESORIES(SOLD SEPARATELY)

ALLOY'S



DMX Decoder with RDM

It's ideal for applications requiring precise control over color temperature and brightness from a single compact unit.



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

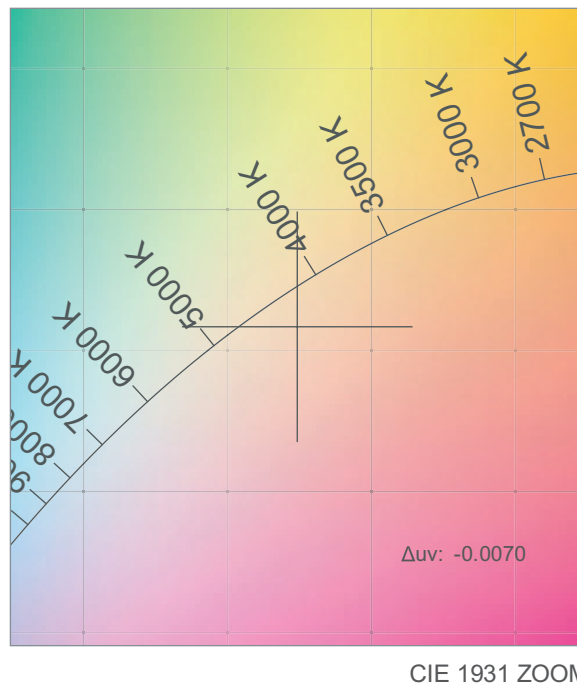
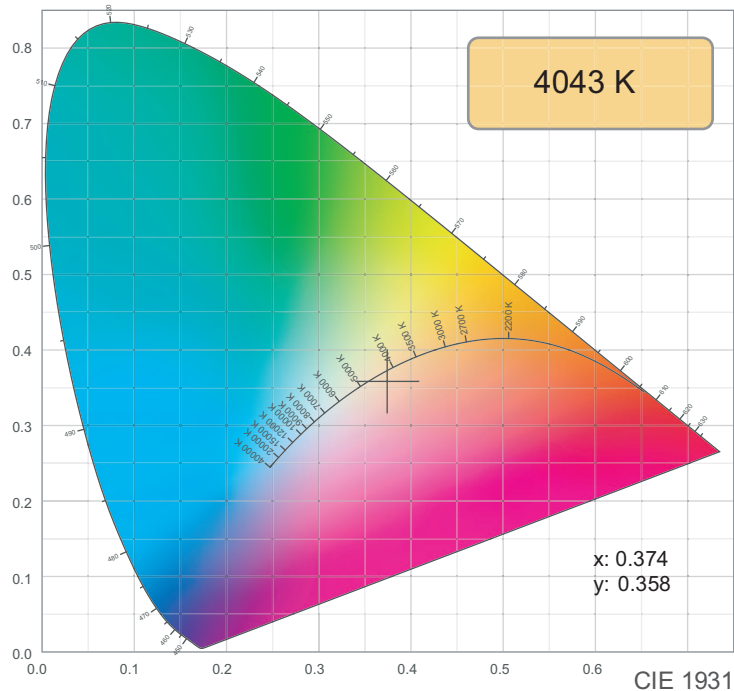


Item Number	Output	Power Source:	Dimensions (L x W x H)
AL-60-03-0007-RDM	5X(96-192W)	12-24V	6.46 x 2.87x 1.5 in..

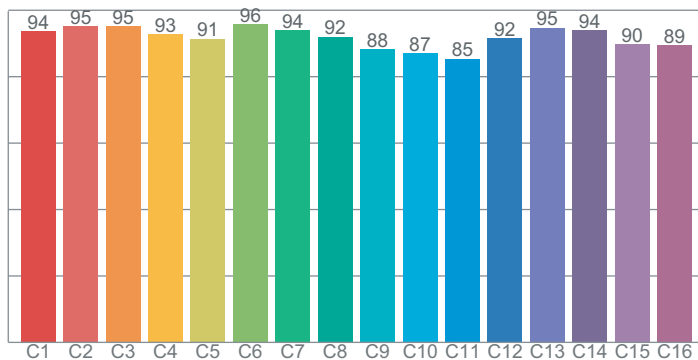
Note: Inspectors prefer power supply to be used with junction box.
For dimmer compatibility, refer to drivers specification sheet.

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

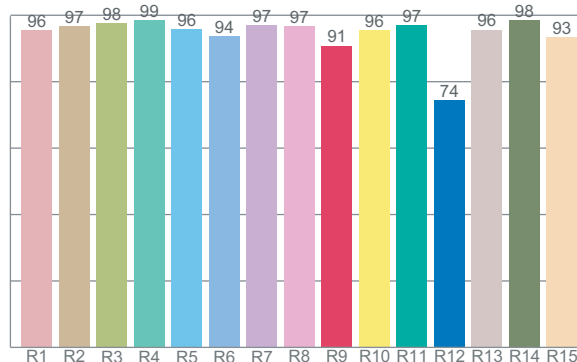
2700K-6000K



TM-30: 91.7



CRI: 96.5 (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
95.6	96.6	97.7	98.6	95.9	93.8	97.1	96.8	90.9	95.5	97.0	74.3	95.6	98.4	93.4

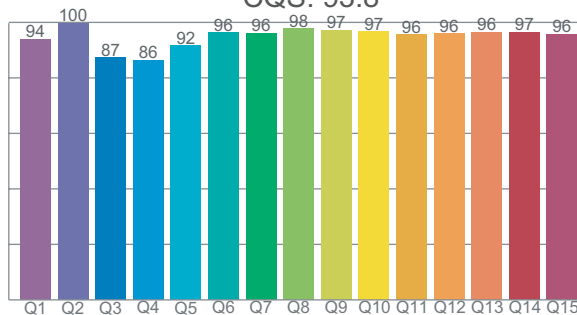
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	95.1	95.1	92.7	91.4	95.7	94.0	92.0	88.3	87.0	85.4	91.6	94.7	94.0	89.8	89.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.0	99.7	87.4	86.5	91.6	96.4	96.2	97.7	97.3	96.6	95.7	95.9	96.5	96.6	95.8

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
4043 K	96.5	90.9	91.7	101.0	93.8	0.374	0.358	0.228	0.328	-0.0070

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

2700K-6000K

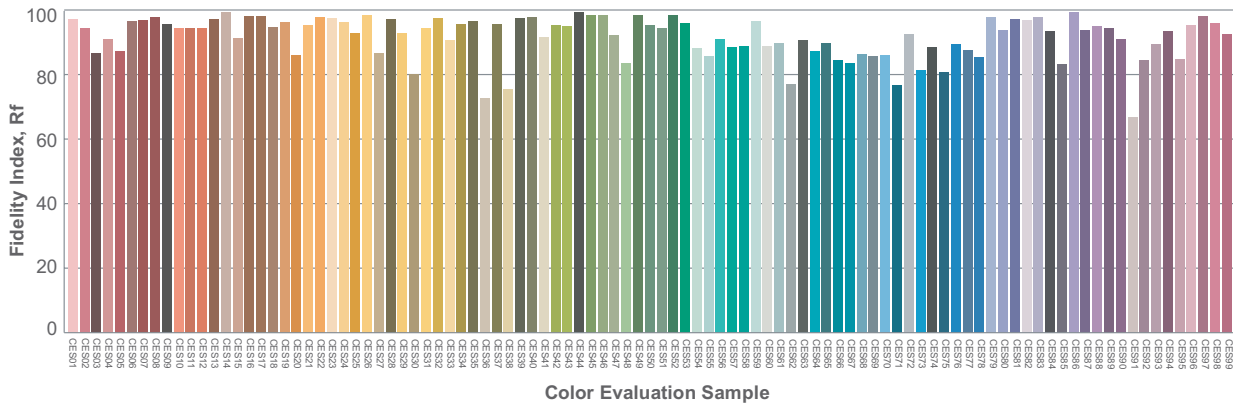
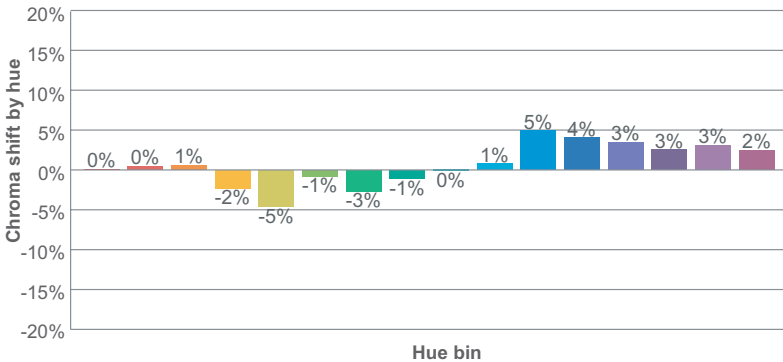
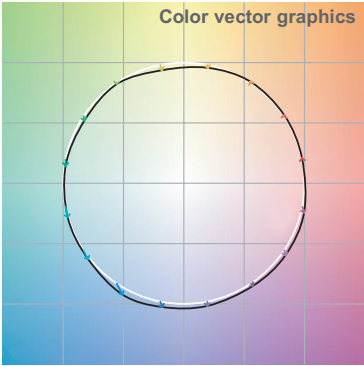
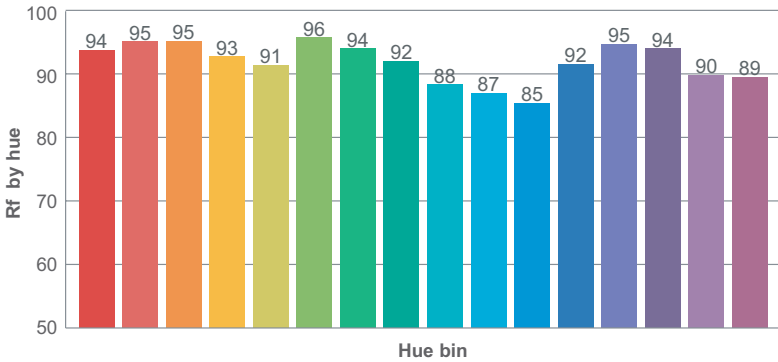
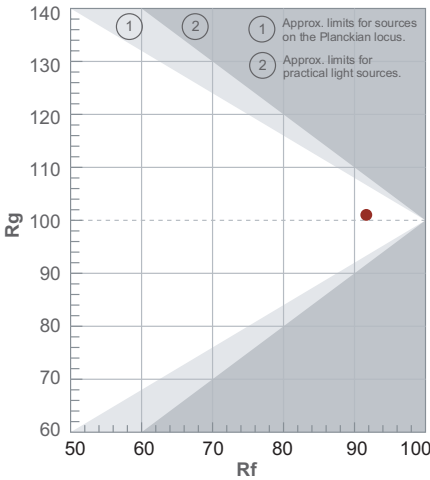
Rf 91.7

Fidelity index Rf

Rg 101.0

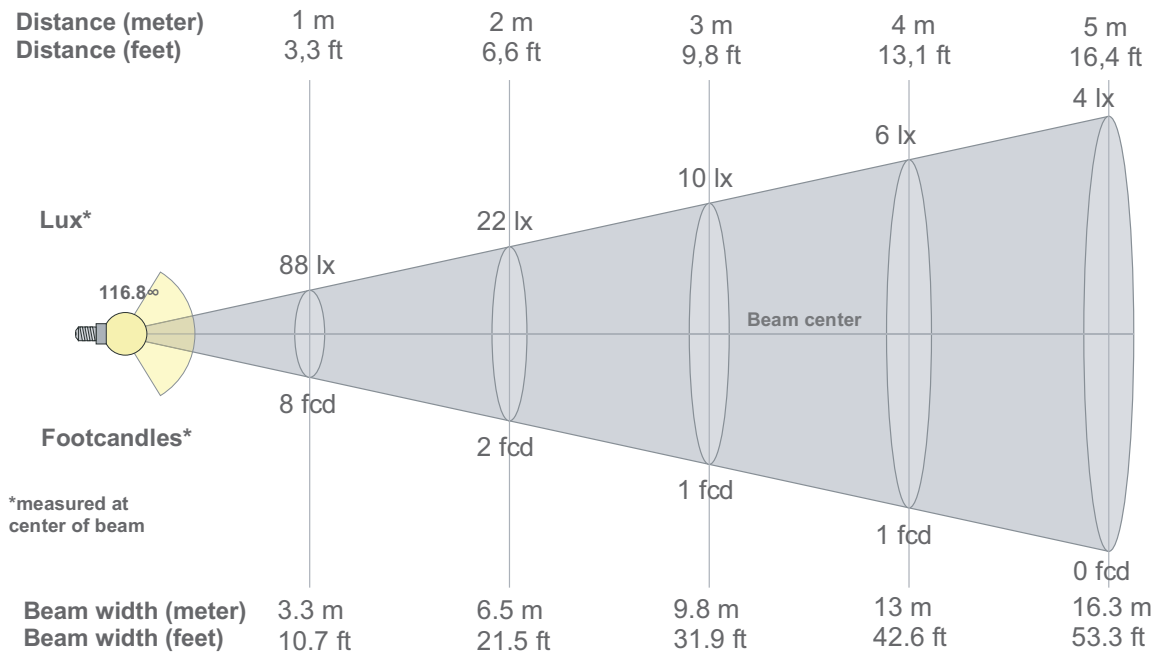
Gamut index Rg

Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	94	0%	1%
2	95	0%	1%
3	95	1%	1%
4	93	-2%	-1%
5	91	-5%	-1%
6	96	-1%	1%
7	94	-3%	2%
8	92	-1%	5%
9	88	0%	9%
10	87	1%	8%
11	85	5%	9%
12	92	4%	3%
13	95	3%	-1%
14	94	3%	1%
15	90	3%	-3%
16	89	2%	-4%



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

2700K-6000K



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
88lx	22lx	10lx	6lx	4lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
8.2fcd	2fcd	0.9fcd	0.5fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	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°
88.1	87.9	86.9	85.3	82.8	79.8	76.0	71.6	66.5	60.9	54.7	48.2	41.2	33.9	26.3	18.5	11.2	4.9	1.2	0.5
100%	100%	99%	97%	94%	91%	86%	81%	76%	69%	62%	55%	47%	38%	30%	21%	13%	6%	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°
88.1	87.6	86.6	84.9	82.5	79.7	76.3	72.1	67.0	61.5	55.5	49.0	41.9	34.4	26.7	19.2	12.1	5.6	1.0	0.3
100%	99%	98%	96%	94%	91%	87%	82%	76%	70%	63%	56%	48%	39%	30%	22%	14%	6%	1%	0%

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°
88.1	87.9	86.9	85.3	82.8	79.8	76.0	71.6	66.5	60.9	54.7	48.2	41.2	33.9	26.3	18.5	11.2	4.9	1.2	0.5
100%	100%	99%	97%	94%	91%	86%	81%	76%	69%	62%	55%	47%	38%	30%	21%	13%	6%	1%	1%

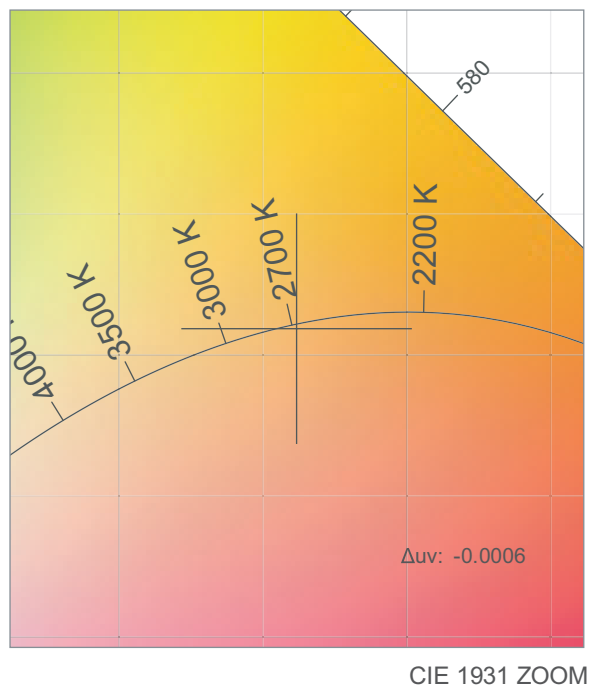
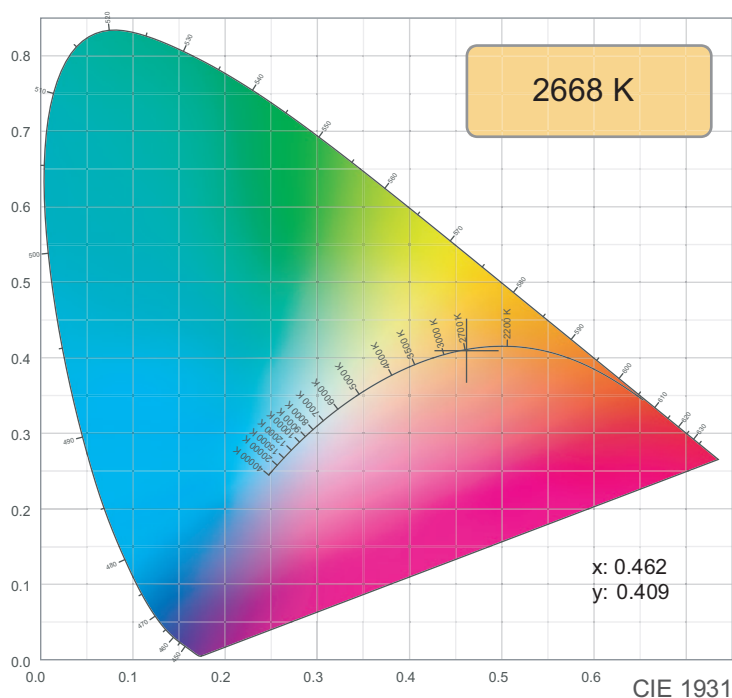
Intensities in 270°c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
88.1	87.6	86.6	84.9	82.5	79.7	76.3	72.1	67.0	61.5	55.5	49.0	41.9	34.4	26.7	19.2	12.1	5.6	1.0	0.3
100%	99%	98%	96%	94%	91%	87%	82%	76%	70%	63%	56%	48%	39%	30%	22%	14%	6%	1%	0%

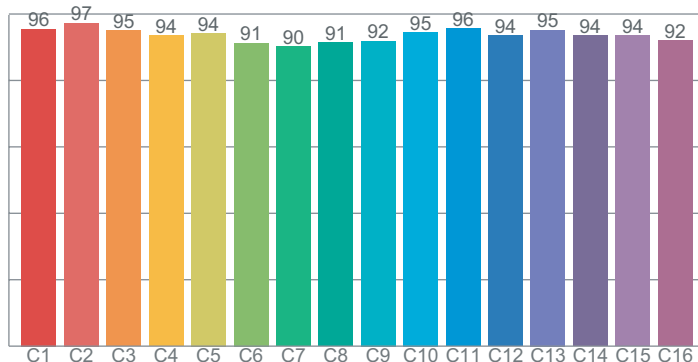
Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
116.8°	164.9°	177.9°	76.3%	51.3%

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

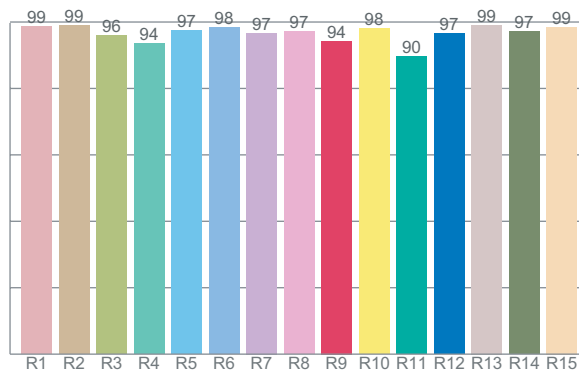
2700K- Warm White



TM-30: 94.0



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
98.7	98.9	96.0	93.6	97.5	98.4	96.7	97.3	94.3	98.0	89.7	96.5	99.1	97.1	98.5

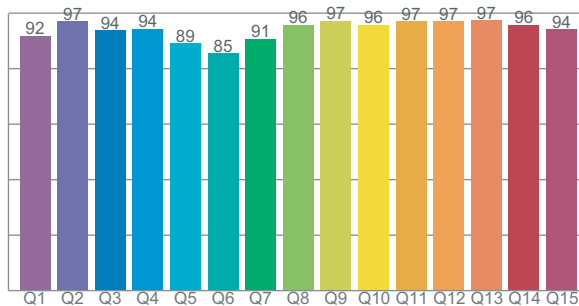
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.5	97.3	95.0	93.6	94.3	91.3	90.3	91.4	91.9	94.5	95.6	93.6	95.2	93.6	93.5	92.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	97.0	93.8	94.3	89.1	85.5	90.7	95.8	97.2	95.8	97.0	97.0	97.3	95.9	94.1

CQS: 92.7



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 division from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2668 K	97.1	94.3	94.0	104.6	92.7	0.462	0.409	0.264	0.351	-0.0006

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

2700K- Warm White

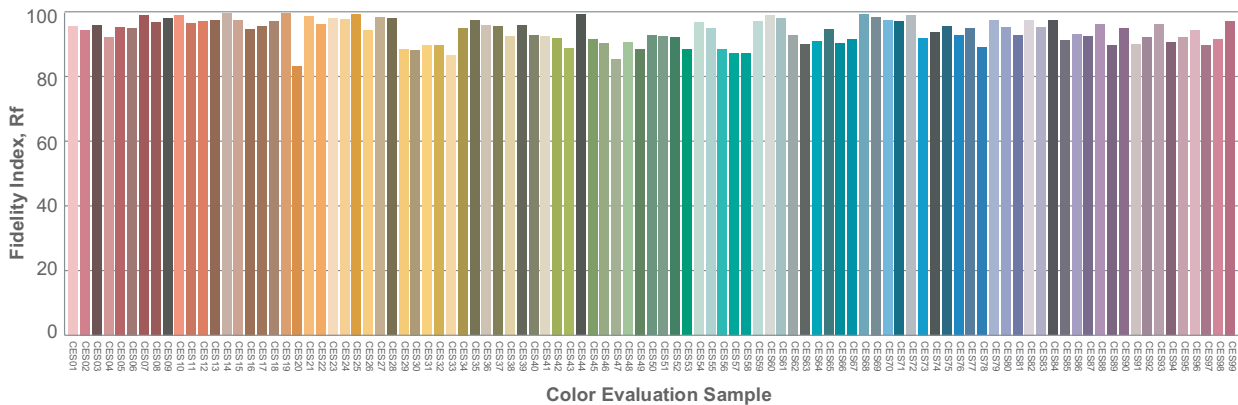
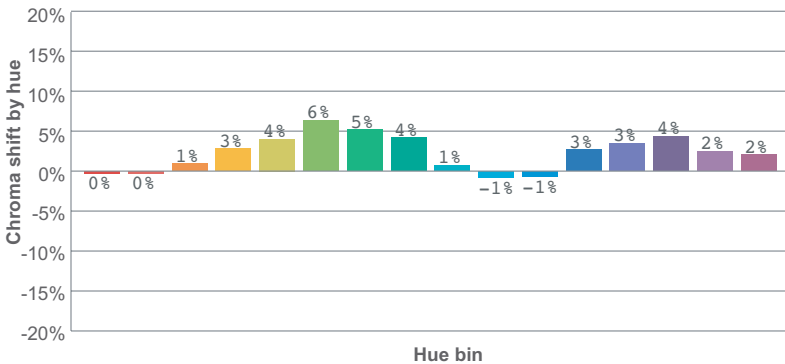
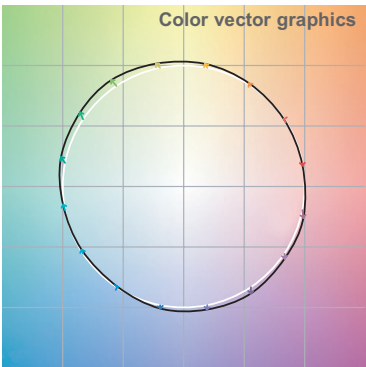
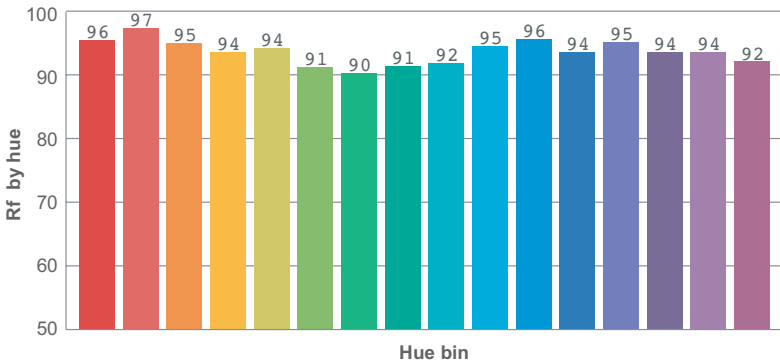
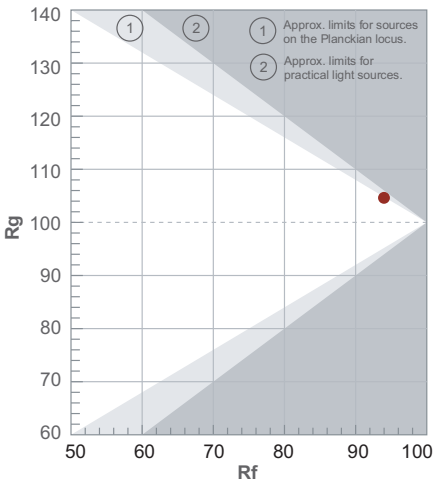
Rf 94.0

Fidelity index Rf

Rg 104.6

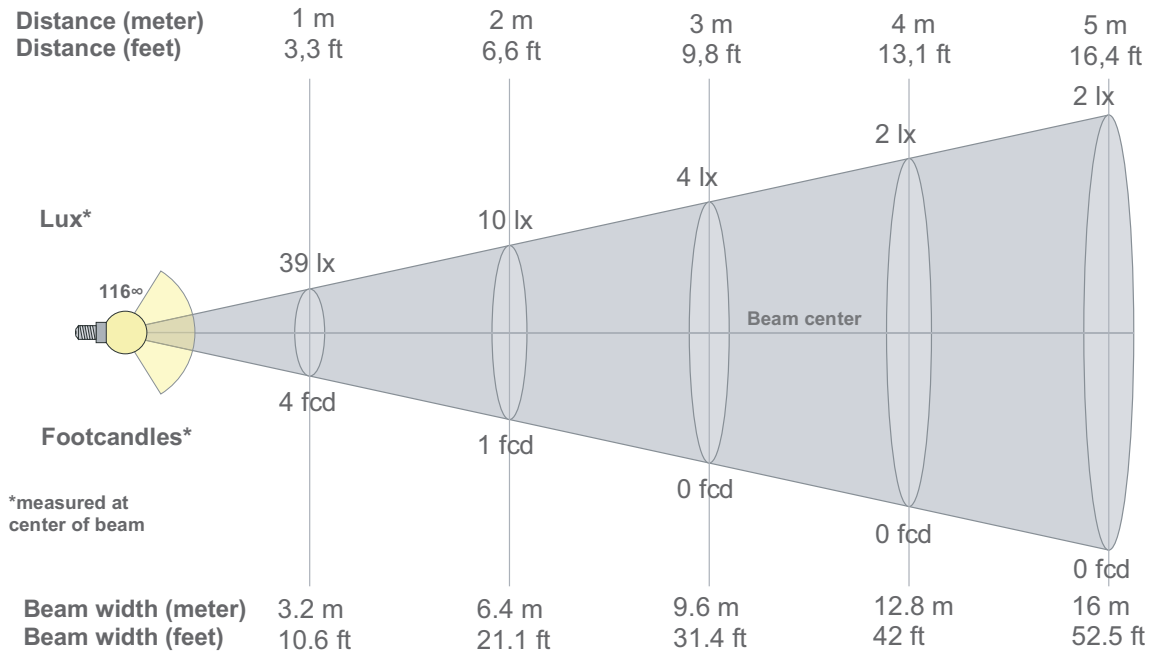
Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	0%	0%
3	95	1%	2%
4	94	3%	2%
5	94	4%	3%
6	91	6%	1%
7	90	5%	-3%
8	91	4%	-4%
9	92	1%	-5%
10	95	-1%	-3%
11	96	-1%	1%
12	94	3%	1%
13	95	3%	-1%
14	94	4%	-3%
15	94	2%	-3%
16	92	2%	-6%



2700K- Warm White

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



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°
38.8	38.7	38.3	37.5	36.4	35.0	33.3	31.2	29.0	26.5	23.7	20.9	17.9	14.7	11.3	8.0	4.8	2.1	0.5	0.2
100%	100%	99%	97%	94%	90%	86%	81%	75%	68%	61%	54%	46%	38%	29%	21%	12%	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°
38.8	38.7	38.3	37.5	36.5	35.2	33.7	31.6	29.2	26.7	24.3	21.4	18.3	15.0	11.6	8.3	5.2	2.4	0.4	0.2
100%	100%	99%	97%	94%	91%	87%	81%	75%	69%	63%	55%	47%	39%	30%	21%	13%	6%	1%	0%

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°
38.8	38.7	38.3	37.5	36.4	35.0	33.3	31.2	29.0	26.5	23.7	20.9	17.9	14.7	11.3	8.0	4.8	2.1	0.5	0.2
100%	100%	99%	97%	94%	90%	86%	81%	75%	68%	61%	54%	46%	38%	29%	21%	12%	5%	1%	1%

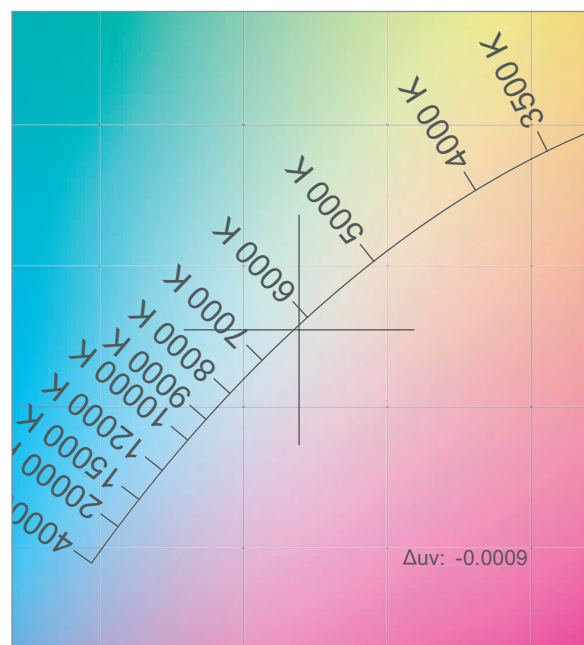
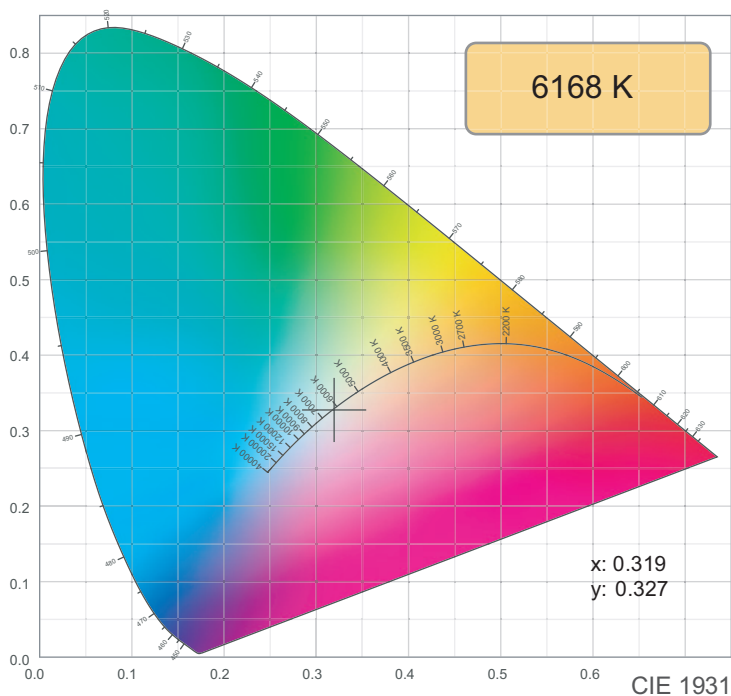
Intensities in 270°c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
38.8	38.7	38.3	37.5	36.5	35.2	33.7	31.6	29.2	26.7	24.3	21.4	18.3	15.0	11.6	8.3	5.2	2.4	0.4	0.2
100%	100%	99%	97%	94%	91%	87%	81%	75%	69%	63%	55%	47%	39%	30%	21%	13%	6%	1%	0%

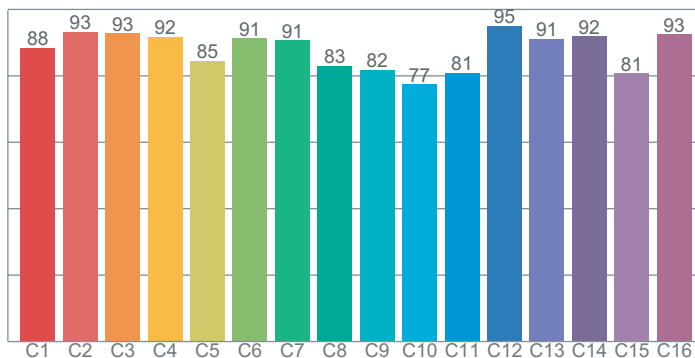
Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120°cone	Intensity ratio in 90°cone
116°	164.6°	177.9°	76.5%	51.6%

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

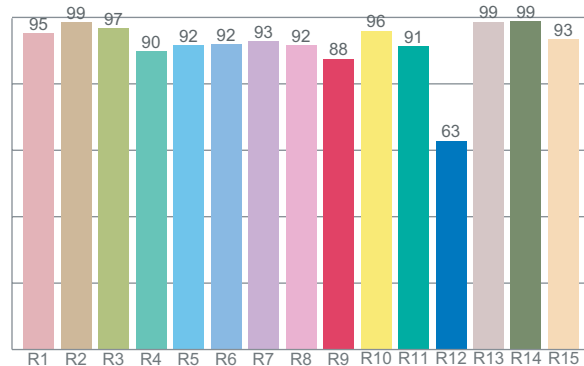
6000K- Cold White



TM-30: 87.5



CRI: 93.5 (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
95.4	98.5	96.7	89.9	91.5	91.9	92.8	91.6	87.6	96.0	91.3	62.9	98.7	98.8	93.4

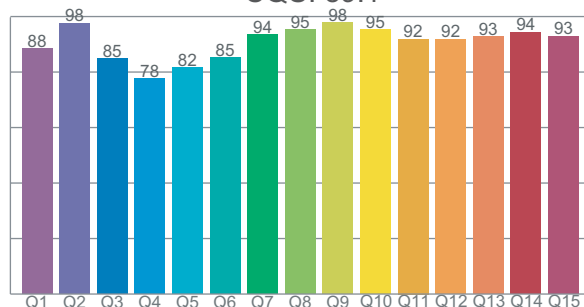
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.4	93.3	92.8	91.8	84.6	91.4	90.7	83.0	81.8	77.5	81.0	95.0	91.2	91.9	80.7	92.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.4	97.6	84.8	77.7	81.7	85.1	93.6	95.4	97.7	95.4	91.9	91.8	92.8	94.4	92.9

CQS: 89.1



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 division from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6168 K	93.5	87.6	87.5	96.6	89.1	0.319	0.327	0.203	0.312	-0.0009

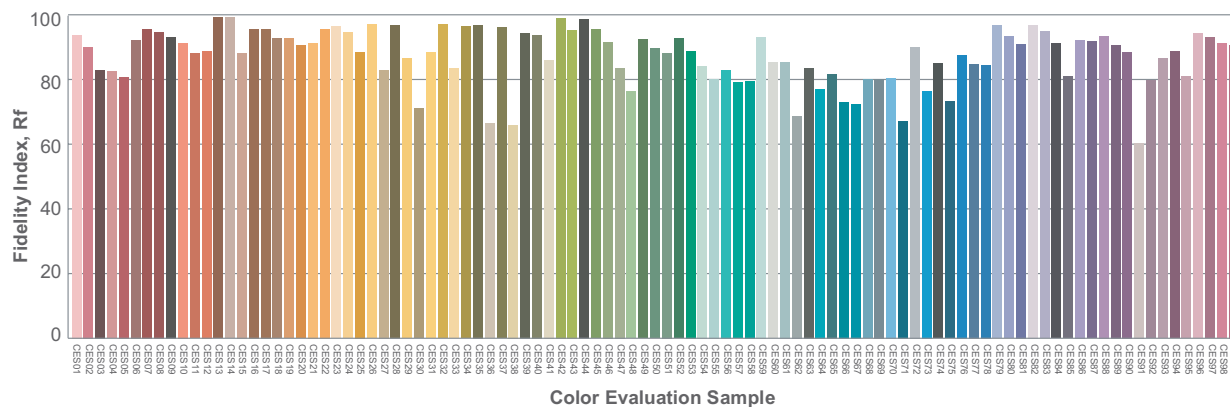
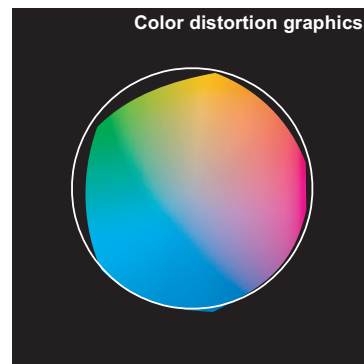
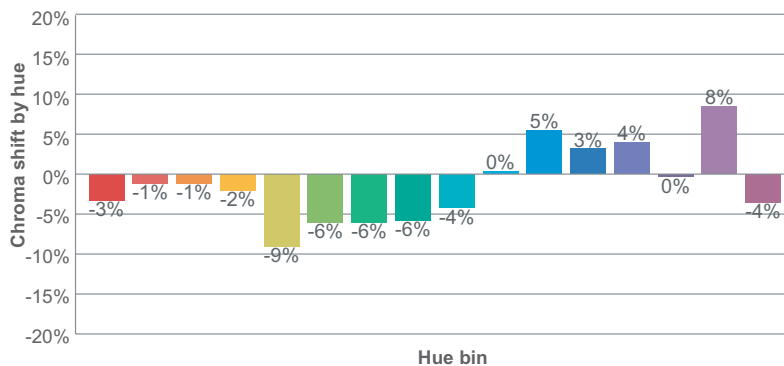
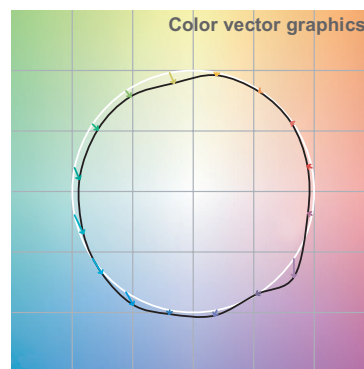
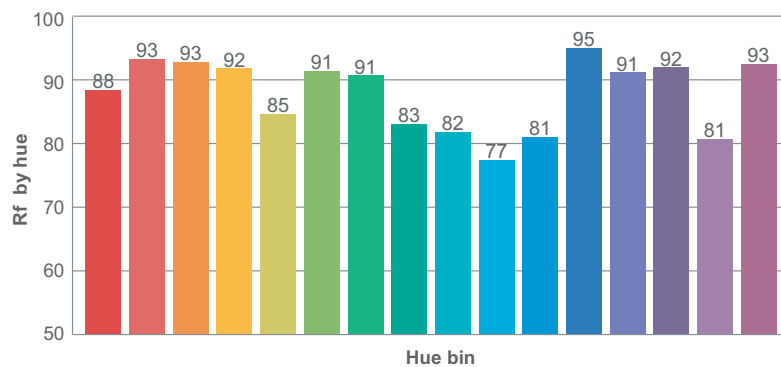
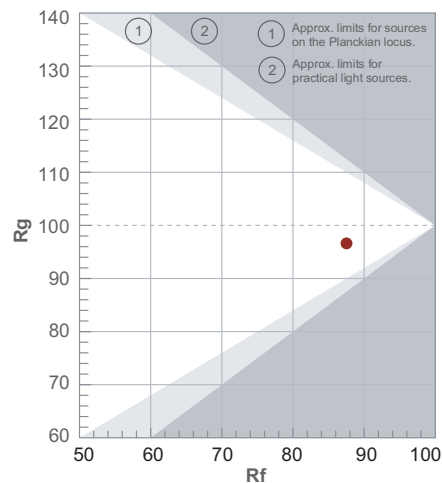
Note: specifications are representative of the diode type and not a particular tape light article.

6000K- Cold White

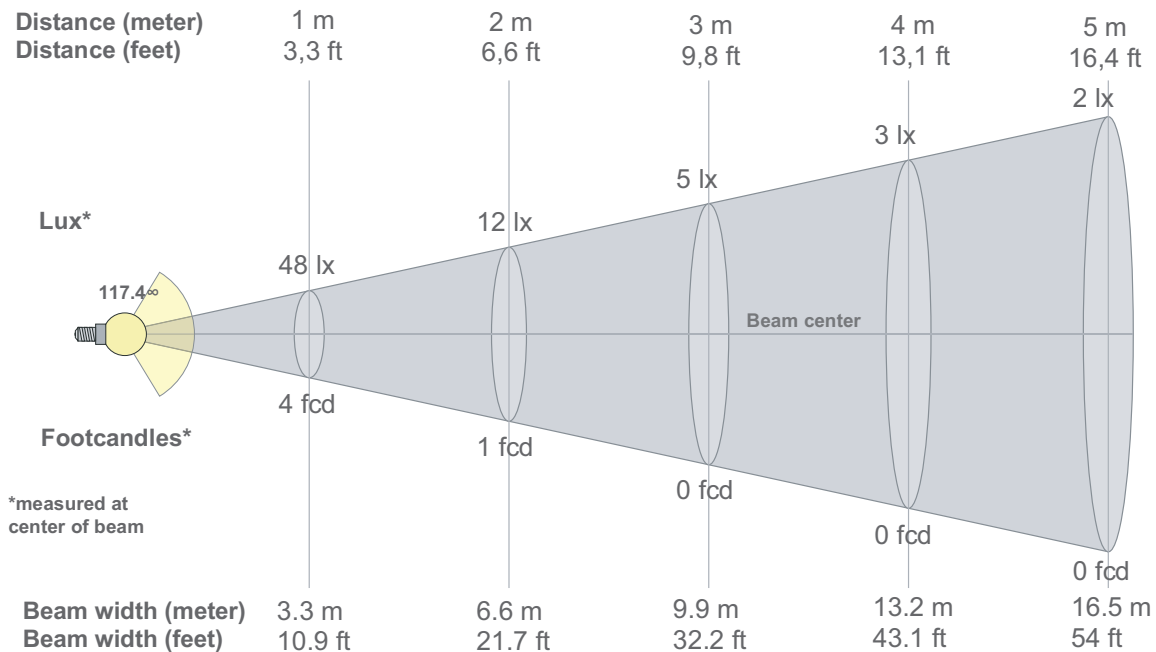
Rf 87.5
Fidelity index Rf

Rg 96.6
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	88	-3%	2%
2	93	-1%	3%
3	93	-1%	1%
4	92	-2%	0%
5	85	-9%	-2%
6	91	-6%	-1%
7	91	-6%	1%
8	83	-6%	8%
9	82	-4%	16%
10	77	0%	14%
11	81	5%	11%
12	95	3%	0%
13	91	4%	-3%
14	92	0%	-4%
15	81	8%	-12%
16	93	-4%	1%



6000K- Cold White



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
48lx	12lx	5lx	3lx	2lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
4.5fcd	1.1fcd	0.5fcd	0.3fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	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°
48.4	48.3	47.8	46.9	45.6	44.0	42.0	39.6	36.9	33.8	30.4	26.8	23.0	18.9	14.6	10.4	6.3	2.8	0.6	0.3
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	55%	47%	39%	30%	21%	13%	6%	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°
48.4	48.2	47.7	46.7	45.4	43.9	42.1	39.9	37.3	34.2	30.8	27.2	23.3	19.1	14.9	10.7	6.7	3.2	0.6	0.2
100%	100%	98%	96%	94%	91%	87%	82%	77%	71%	64%	56%	48%	39%	31%	22%	14%	7%	1%	0%

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°
48.4	48.3	47.8	46.9	45.6	44.0	42.0	39.6	36.9	33.8	30.4	26.8	23.0	18.9	14.6	10.4	6.3	2.8	0.6	0.3
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	55%	47%	39%	30%	21%	13%	6%	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°
48.4	48.2	47.7	46.7	45.4	43.9	42.1	39.9	37.3	34.2	30.8	27.2	23.3	19.1	14.9	10.7	6.7	3.2	0.6	0.2
100%	100%	98%	96%	94%	91%	87%	82%	77%	71%	64%	56%	48%	39%	31%	22%	14%	7%	1%	0%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120°cone	Intensity ratio in 90°cone
117.4°	165.2°	177.9°	76.2%	51.1%