

LL18 LL30 LL36 LL54

LineLED Wet Tube is a new small profile, more energy efficient LED strip for wet locations. The LineLED Wet Tube has superior light output, a durable but flexible circuit board and it is very easy to install.

Due to the sealing bond needed to guarantee the wet-rating, exact lengths are required to order the LineLED Wet Tube. Extending and turning corners in the field require custom production.

LineLED Wet Tube is not suitable for applications where LEDs can become submerged. For extended period of time.

Applications: outdoor / wet location, above cabinet, cove lighting, counter accent, architectural accents, under banisters, decks, gazebos, barbeque stations and wet bars.

Mounting

LED strip is equipped with 3M™ VHB™ adhesive transfer tape.

Approvals

IP65 & IP67 rated

Beam Angle

120°

Operating voltage

24 VDC

Average life

50,000 hours

Warranty

3 years



Technical information

MODEL	LL18 WET	LL30 WET	LL36 WET	LL54 WET
LEDS/ft	18	30	36	54
Light output 3000K	121 lum/ft	190 lum/ft	244 lum/ft	353 lum/ft
Average power consumption (for 15' section)	1.5 W/ft	2.5 W/ft	3.0 W/ft	4.5 W/ft
Cutting increment	4.00"	2.50"	2.00"	1.3"
Maximum run length (in series)	100 ft	48 ft	39 ft	26 ft
Profile Dimensions W/connector dimensions, see line drawing	0.47" W 0.24" H	0.47" W 0.24" H	0.47" W 0.24" H	0.47" W 0.24" H

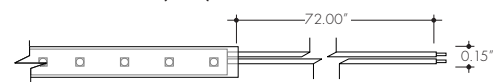
CCT INFO/LUMEN MULTIPLIER

TM-30-15

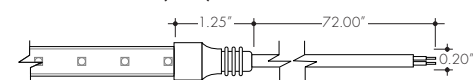
Color temperature	Multiplier <small>(referenced from 3000K)</small>	CRI	R _f	R _g
2700K	0.81	98	95	101
3000K	1.00	92	90	99
3500K	1.05	94	90	99

SECTION START/END OPTIONS

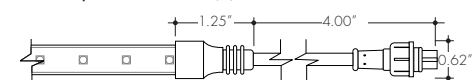
72" Soldered leads (SL65)



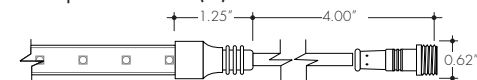
72" Soldered leads (SL67)



Female quick connect end (F)



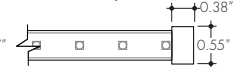
Male quick connect end (M)



**No connector (NC)
IP65 model only**



**No connector (NC)
IP67 model only**



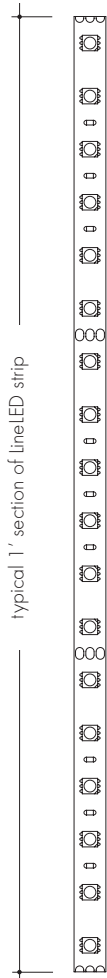
Ordering code

MODEL	ENCLOSURE	COLOR TEMPERATURE	SECTION START	SECTION END	LENGTH
LL18WET	T	27K	SL67	NC	
LL18WET	T - Tube	27K - 2700K	SL65 - IP65 Soldered lead wires (72")	SL65 - IP65 Soldered lead wires (72")	view table above for increment options and maximum run limits
LL30WET		30K - 3000K	SL67 - IP67 Soldered lead wires (72")	SL67 - IP67 Soldered lead wires (72")	
*LL36WET		35K - 3500K	F - Female connector	F - Female connector	
*LL54WET		**Temperature - Custom	M - Male connector	M - Male connector	
			NC - No connector	NC - No connector	

* Title 24 JA8 Compliant

** Other color temperature are available for special order

Power consumption per linear foot - loads tested with PSD series of power supplies (page 4)

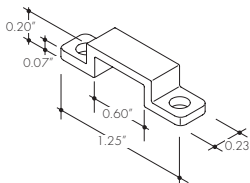


Length of strip (LF)	LL18WET-T		LL30WET-T		LL36WET-T		LL54WET-T	
	W/ft	Total wattage	W/ft	Total wattage	W/ft	Total wattage	W/ft	Total wattage
1	1.65	1.65	2.70	2.70	3.25	3.25	5.35	5.30
2	1.65	3.30	2.70	5.40	3.25	6.50	5.30	10.60
3	1.65	4.95	2.70	8.10	3.25	9.75	5.25	15.80
4	1.63	6.58	2.65	10.60	3.20	12.80	5.20	20.60
5	1.63	8.21	2.65	13.25	3.20	16.00	5.15	26.00
6	1.62	9.83	2.65	15.90	3.15	18.90	5.10	30.80
7	1.62	11.45	2.60	18.20	3.15	22.05	5.05	35.70
8	1.62	13.07	2.60	20.80	3.10	24.80	5.00	40.00
9	1.60	14.67	2.60	23.40	3.10	27.90	4.95	44.80
10	1.60	16.50	2.55	25.50	3.05	30.50	4.90	48.90
11	1.57	18.07	2.55	28.05	3.05	33.50	4.85	53.30
12	1.57	19.64	2.55	30.60	3.00	36.00	4.80	57.40
13	1.57	21.21	2.50	32.50	3.00	39.00	4.70	60.60
14	1.55	22.76	2.50	35.00	3.00	42.00	4.60	64.30
15	1.55	24.31	2.50	37.50	3.00	45.00	4.50	67.40
16	1.55	25.86	2.45	39.20	2.95	47.20	4.40	70.50
17	1.52	27.38	2.45	41.65	2.95	50.15	4.35	73.40
18	1.52	28.90	2.45	44.10	2.90	52.50	4.30	77.00
19	1.52	30.42	2.40	45.60	2.90	55.10	4.25	81.30
20	1.50	31.20	2.40	48.00	2.85	57.00	4.20	83.50
21	1.50	32.70	2.40	50.40	2.85	59.85	4.10	85.70
22	1.50	34.20	2.35	51.70	2.80	61.60	4.00	87.10
23	1.48	35.68	2.35	54.05	2.80	64.60	3.90	88.80
24	1.47	37.15	2.35	56.40	2.75	66.00	3.80	90.10
25	1.47	38.62	2.30	57.50	2.75	68.75	3.70	92.30
26	1.45	40.07	2.30	59.80	2.70	70.20	3.60	93.60
27	1.45	41.52	2.30	62.10	2.70	72.90		
28	1.43	42.20	2.25	63.00	2.65	74.20		
29	1.42	43.00	2.25	65.25	2.65	76.85		
30	1.40	43.70	2.25	67.50	2.60	78.00		
31	1.40	45.10	2.20	68.20	2.60	80.60		
32	1.38	46.50	2.20	70.40	2.55	81.60		
33	1.37	47.70	2.20	72.60	2.55	84.15		
34	1.37	49.00	2.15	73.10	2.50	85.00		
35	1.36	50.45	2.15	75.25	2.50	87.50		
36	1.36	51.70	2.15	77.40	2.45	88.20		
37	1.36	52.50	2.10	77.70	2.45	90.65		
38	1.36	53.00	2.10	79.80	2.40	91.20		
39	1.35	53.90	2.10	81.90	2.40	93.60		
40	1.35	54.40	2.05	82.00				
41	1.35	55.75	2.05	84.05				
42	1.34	57.09	2.05	86.10				
43	1.34	58.43	2.02	86.90				
44	1.33	59.76	2.00	88.00				
45	1.33	61.07	2.00	90.00				
46	1.32	61.97	1.96	90.20				
47	1.32	62.70	1.95	91.65				
48	1.31	63.50	1.95	93.60				
49	1.31	64.05						
50	1.30	64.80						
51-60	1.30 - 1.25	65.20 - 70.80						
61-70	1.25 - 1.20	71.00 - 76.20						
71-80	1.20 - 1.10	77.00 - 81.60						
81-90	1.10 - 1.00	82.00 - 86.20						
91-100	1.00 - 0.95	87.00 - 91.40						

Accessories

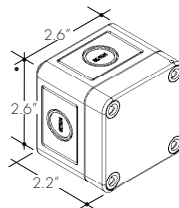
Mounting clip:
recommended at every 12" when
LineLED strip is facing down.

Part # CL-2



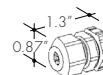
Splice Box:
Wet rated, low voltage
splice box, gray

Part # LVSP-WET



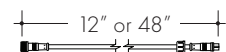
Connector:
Low voltage splice box wet cable
management gray

Part # LVSP-WET-CM



Male/Female Joiner:
Linking and extension cable in 12" or 48"

Part # IP67-12
IP67-48



Lens options / light transmission percentage per lens

- C** Clear
- HF** Half (50%) Frosted
- G** Graze
- SI** Satin Ice
- S** Square Frosted
- Q** Rounded Square Frosted
- F** Frosted
- M** Medium beam frosted
- R** Raised
- C36** Clear 36° beam angle
- C10** Clear 10° beam angle

<p>*KM Channel (KMC-XX)</p>	<p>*KRM Channel (KRM-XX)</p>	<p>*K45M Channel (K45MC-XX)</p>	<p>KXL Channel (KXLC-XX)</p>
<p>C 71% F 42% HF 58% C10 67% R 39%</p>	<p>C 71% F 42% HF 58%</p>	<p>C 71% F 42% HF 58% C10 67%</p>	<p>C 74% F 46% HF 61%</p>
<p>KRXL Channel (KRXLC-XX)</p>	<p>*RO Channel (RO-XX)</p>	<p>CLA Channel (CLAC-XX)</p>	<p>ALS20 Channel (ALS20-XX)</p>
<p>C 74% F 46% HF 61%</p>	<p>C 75% F 52%</p>	<p>S 62% Q 63%</p>	<p>C 78% F 43%</p>

*Not compatible with IP67 connectors

Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

Ordering

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

LED Dotting per extrusion

using the frosted lens option

extrusion	LED Models				
	LL9	LL18	LL30	LL36	LL54
KMC, KRM, K45MC	CD	SD	SD	ND	ND
KXLC, KRXLC	CD	CD	SD	ND	ND
RO, ALS20	CD	SD	ND	ND	ND
CLAC	CD	SD	ND	ND	ND



Clear Slight NO
 Dotting Dotting Dotting
(CD) **(SD)** **(ND)**

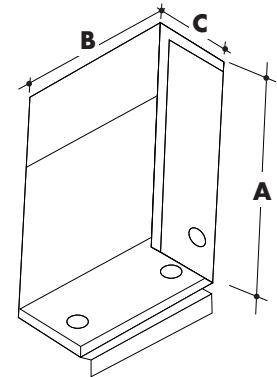
Power supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

Magnetic Low Voltage Dimming Power Supplies:

MODEL	POWER	OUTPUT	INPUT
PSD	48	24	
PSD - PSD Series dims down to 0%	48 - 48 W 96 - 96 W 288 - 288 W (3x 96W)	24 - 24 VDC	Blank - 120 V 240 - 240 V 277 - 277 V

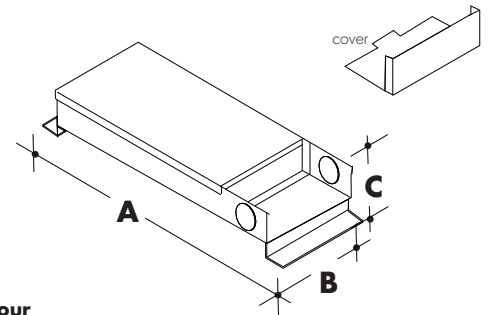
MODELS	PSD 48	PSD 96	PSD 288
A Length	11.25"	11.25"	13.06"
B Width	3.42"	3.42"	8.42"
C Depth	3.42"	3.27"	4.47"



Electronic Low Voltage Dimming Power Supplies:

MODEL	CIRCUIT x POWER	OUTPUT	INPUT
CVE	48D	24	
CVE - CVE Series dims down to 0.1%	48D - 48W 48X2D - 2 x 48W 48X3D - 3 x 48W 48X4D - 4 x 48W 96D - 96W 96X2D - 2 x 96W 96X3D - 3 x 96W 96X4D - 4 x 96W	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

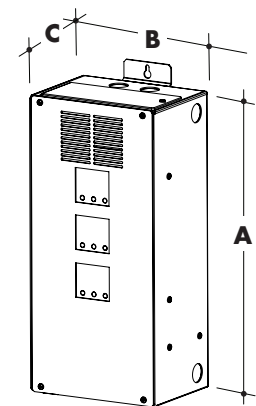
MODELS	Single circuit	Dual circuit	Three circuit	Four circuit
A Length	13.9"	13.8"	13.8"	13.8"
B Width	2.3"	4.0"	5.9"	7.75"
C Depth	1.3"	1.9"	1.9"	1.9"



0-10V Dimming Power Supplies:

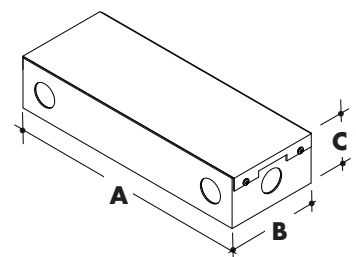
MODEL	POWER	OUTPUT	DIMMING
PSO10V	3X96	24	LIN
PSO10V - 0-10V Power Supply dims down to 0%	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC	LIN - Linear LOG - Logarithmic

MODELS	96 W	3X96
A Length	14.40"	15.75"
B Width	5.20"	6.60"
C Depth	2.60"	4.80"



MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV	40	24V	U2DIM	D
PSV - PSV Series dims down to 5%	40 - 40 W 60 - 60 W 96 - 96 W	24 - 24 VDC	U2DIM - Dimming 0-10V	D - Dry Location IP65 - Wet Location

MODELS	PSV Dry	PSV Wet
A Length	9.2"	9.5"
B Width	3.4"	4.12"
C Depth	1.9"	2.3"



Power supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

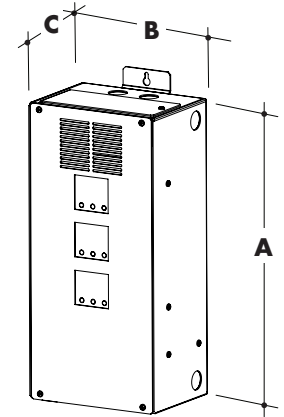
DMX Dimming Power Supplies:

MODEL	POWER	OUTPUT
PSDMX	96	24
PSDMX - DMX Power Supply	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC

- Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS 3X96 W

A Length	15.75"
B Width	6.60"
C Depth	4.80"



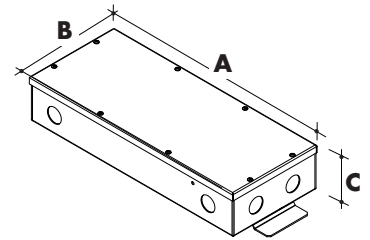
DALI Dimming Power Supplies:

MODEL	POWER	OUTPUT
PSDALI	96	24
PSDALI - DALI Power Supply dims down to 0%	96 - 96 WATT 3X96 - 3 X 96 WATT	24 - 24 VDC

- Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS 96 W

A Length	14.40"
B Width	5.20"
C Depth	2.60"



Luminii is a Lutron OEM Advantage Partner

MODEL

LTEA4U1UKL-CV240

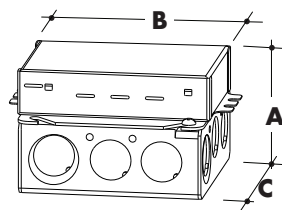
Lutron -Hi-lume™ 1% 2-wire
LED driver (120V forward phase only)

MODELS	LTEA	L3DA
A Length	4.89"	4.89"
B Width	2.66"	2.66"
C Depth	4.00"	4.00"

MODEL

L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage
LED Driver

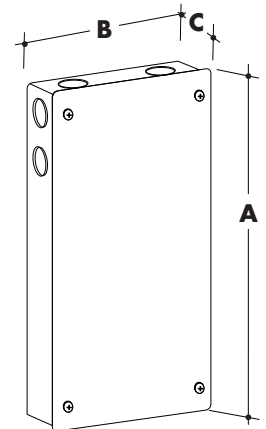


MODEL

L3D0-96W24V-U

Hi-lume™ 0.1% EcoSystem Voltage
LED Driver with Soft-On, Fade-to-Black™

MODELS	L3DO
A Length	10.50"
B Width	5.50"
C Depth	2.00"



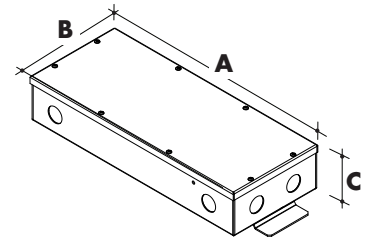
Power supply

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

Enlighted Enabled Dimming Power Supplies:

MODEL	POWER	OUTPUT	DIMMING	Location
PSV	96	24	ENL	D
PSV - LED Power Supply	96 - 96 WATT	24 - 24 VDC	ENL - Enlighted Dimming	D - Damp

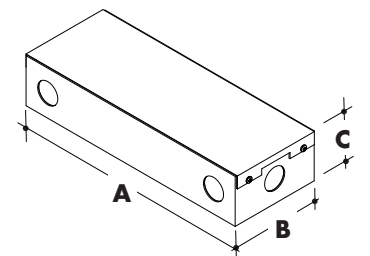
MODELS	96 W
A Length	14.40"
B Width	5.20"
C Depth	2.60"



Non-Dimming Power Supplies:

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV	40	24V	U2ND	D
PSV - PSV Series	40 - 40 W 60 - 60 W 96 - 96 W	24 - 24 VDC	U2ND - Non Dimming	D - Dry Location IP65 - Wet Location

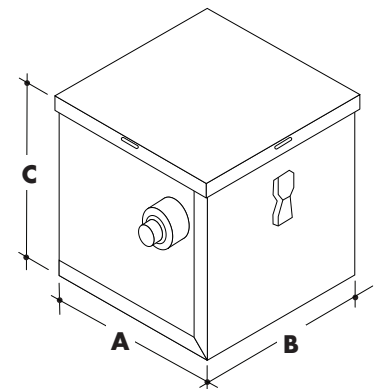
MODELS	PSV Dry	PSV Wet
A Length	9.2"	9.5"
B Width	3.4"	4.12"
C Depth	1.9"	2.3"



In ground, Electronic Low Voltage Dimming Power Supplies:

MODEL	CIRCUIT x POWER	OUTPUT	INPUT
IG-CVE	96X2	24	
IG-CVE - In ground CVE Series dims down to 0.1%	96X2 - 2 x 96W	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

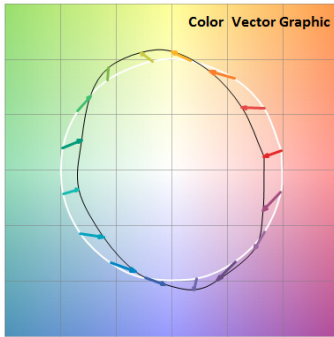
MODELS	Dual circuit
A Length	8.0"
B Width	8.0"
C Depth	8.0"



TM-30-15: Data

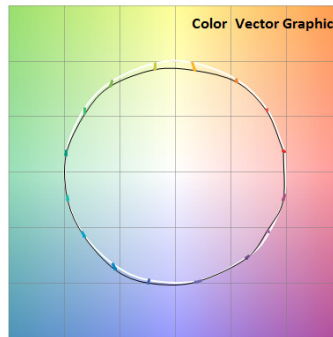
based on LL36 values

22K CCT



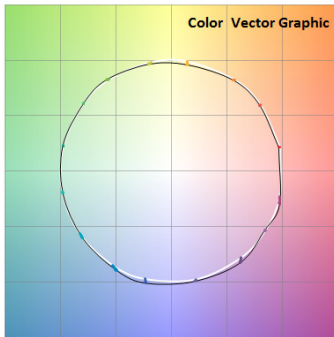
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	-16%	-2%
2	63	-16%	12%
3	50	-7%	22%
4	72	5%	18%
5	83	10%	9%
6	84	9%	-7%
7	69	-2%	-18%
8	73	-15%	-11%
9	70	-15%	-2%
10	61	-16%	15%
11	62	-6%	22%
12	64	2%	19%
13	87	9%	-4%
14	55	5%	-23%
15	72	1%	-17%
16	65	-12%	-20%

24K CCT



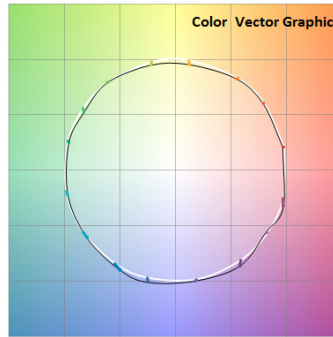
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	0%
2	95	-1%	-1%
3	94	-2%	-2%
4	89	-7%	-3%
5	93	-6%	1%
6	92	-3%	4%
7	91	-3%	5%
8	93	0%	4%
9	92	0%	4%
10	92	0%	4%
11	91	3%	4%
12	94	3%	0%
13	93	1%	-6%
14	93	1%	-4%
15	93	-2%	1%
16	91	0%	-5%

27K CCT



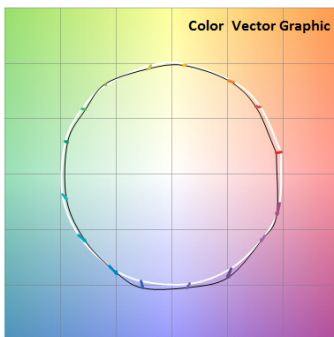
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	-1%	0%
3	96	-1%	1%
4	94	-3%	-1%
5	95	-1%	2%
6	96	1%	2%
7	96	0%	1%
8	98	0%	0%
9	97	0%	2%
10	93	0%	4%
11	91	2%	5%
12	93	4%	1%
13	95	2%	-2%
14	93	3%	-3%
15	95	-1%	-1%
16	90	1%	-7%

29K CCT



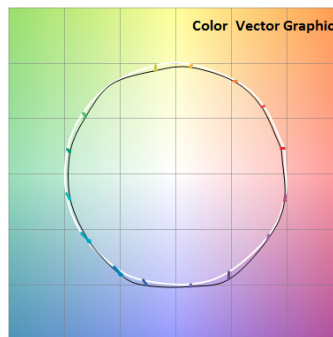
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	0%
2	97	-1%	0%
3	96	-1%	1%
4	92	-4%	-1%
5	94	-3%	2%
6	97	0%	1%
7	93	-3%	3%
8	97	-1%	1%
9	93	-1%	4%
10	88	0%	7%
11	88	3%	8%
12	91	4%	2%
13	96	1%	-2%
14	92	4%	-3%
15	94	-1%	0%
16	89	2%	-8%

30K CCT



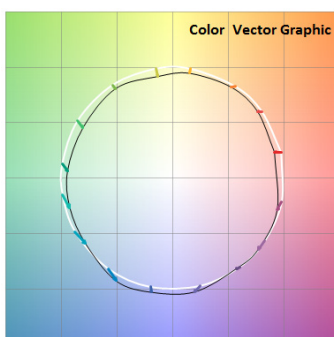
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-4%	0%
2	92	-3%	2%
3	89	-2%	5%
4	93	-1%	2%
5	92	-3%	2%
6	96	1%	0%
7	92	-3%	-1%
8	96	-2%	0%
9	91	-3%	4%
10	84	-2%	8%
11	84	2%	10%
12	89	6%	3%
13	93	3%	-3%
14	88	5%	-7%
15	89	0%	-6%
16	85	0%	-11%

35K CCT



Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-3%	0%
2	94	-2%	1%
3	93	-1%	2%
4	92	-3%	1%
5	90	-5%	1%
6	96	0%	0%
7	92	-4%	1%
8	93	-3%	2%
9	90	-3%	6%
10	82	-2%	11%
11	83	3%	10%
12	89	4%	4%
13	95	2%	-1%
14	90	6%	-4%
15	90	1%	-4%
16	88	0%	-6%

41K CCT



Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	-6%	1%
2	90	-3%	2%
3	90	-3%	3%
4	88	-4%	0%
5	87	-7%	0%
6	92	-4%	0%
7	87	-8%	2%
8	85	-6%	6%
9	80	-4%	13%
10	75	-2%	14%
11	79	5%	12%
12	90	5%	2%
13	88	4%	-6%
14	90	0%	-4%
15	81	-1%	-10%
16	81	-3%	-8%