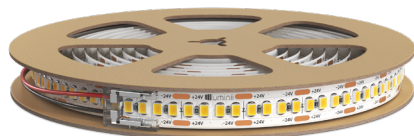


LineLED Vibrant Color Series LLVC240-IP20



* MFG Model Number: LLVC72-XX



Features

Line LED LL series is a small profile, high performance LED strip. It offers excellent color quality with 95+ CRI and 95+ R9 values across the entire range of outputs, while sustaining efficacy approaching 120lm/w. The simple range consists of just two configurations, 240 LEDs per meter, with multiple outputs from each, providing a range from 420 to over 3600 lumens per meter. Industry-best color consistency is ensured with single-binned LEDs.

Mounting

LED strip is equipped with 3M™ adhesive tape.

Applications

Indoor only - millwork, cove, architectural reveals, undercabinet, display case, handrail, accent lighting.

Approvals

CE, UKCA, UL, Class 2

Operating voltage

24 VDC

Average Life (L70)

50,000 hours

Warranty

7 years



RoHS

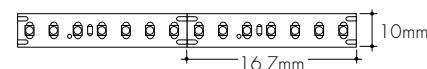
CE

UKCA



Technical information

TYPE	LLVC240-IP20						
OUTPUT OPTIONS	VLO	LO	SO	MO	HO	VHO	XHO
Lumens Output (3000K)	423 lm/m	1076 lm/m	1430 lm/m	1890 lm/m	2287 lm/m	3045 lm/m	3632 lm/m
Average Power Consumption	3.6 W/m	9.2 W/m	12.1 W/m	16.1 W/m	19.4 W/m	25.9 W/m	32.5 W/m
Efficacy	117 lm/W	117 lm/W	118 lm/W	118 lm/W	118 lm/W	117 lm/W	112 lm/W
Cutting Increment (mm)	16.7 mm						
Pitch Length	4 mm						
Max Run Length (in series)	17.3 m	9.8 m	8.5 m	7.3 m	6.4 m	5.5 m	3.7 m
Dimensions	10 mm W x 1.5 mm H						
Ambient Operating Temperature Range*	- 25°C - 50°C		- 25°C - 45°C		- 25°C - 40°C		- 25°C - 35°C



*XHO output must be paired with an aluminum channel

*Ambient Operating Temperature Range to maintain L70 of 50K+ hours in normal conditions. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

CCT	Multiplier (reference - 3000K)	CRI	TM-30		
			R _f	R _g	R ₉
1800K	0.50	95	94	99	86
2200K	0.66	96	94	101	95
2400K	0.90	98	96	101	91
2700K	0.93	98	96	102	93
3000K	1.00	97	94	104	99
3500K	1.04	96	94	105	97
4000K	1.05	97	95	104	96

Ordering code

MODEL	OUTPUT	CCT	REEL SIZE
LLVC240-IP20 - LineLED Vibrant Color, Dry Location	VLO - Very Low LO - Low SO - Standard MO - Medium HO - High VHO - Very High XHO - Extreme	18K - 1800K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	R10m - Reel, 10 meter



LineLED Vibrant Color Series LLVC240-IP20

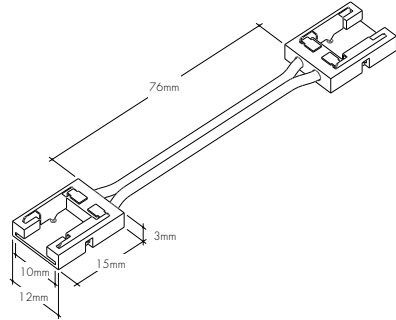
Minii Connectors

Minii connectors are easy, field-installable accessories that make joining LL strip simple! Their minimal width allows them to fit into extrusions, while their transparent frame eliminates dark spots.

Note: verify internal extrusion dimensions to confirm compatibility

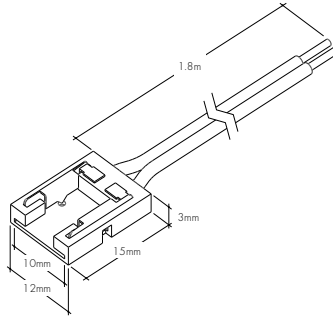
LL-PJC-10

Jumper minii connector with 76mm wire for LLVC240-IP20 LED strip



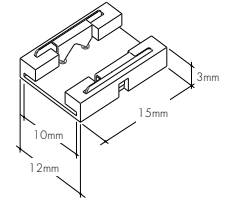
LL-PFC-10-1.8M

Power feed minii connector with 1.8m wire for LLVC240-IP20 LED strip

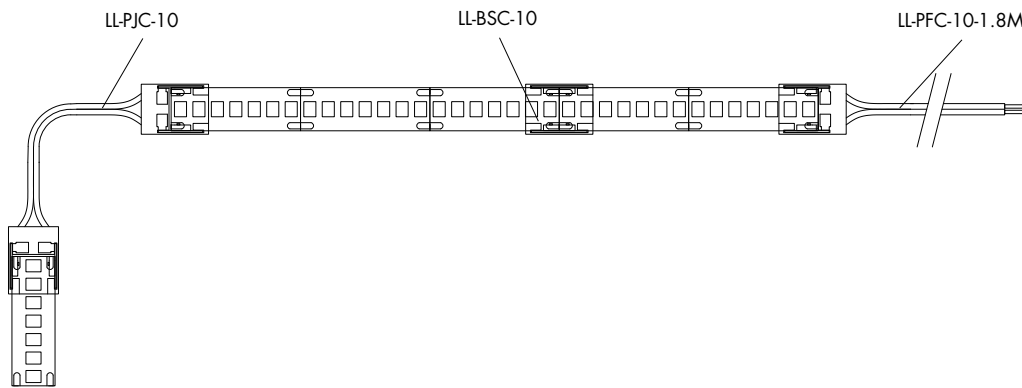


LL-BSC-10

Butt splice minii connector for LLVC240-IP20 LED strip



Sample Layout

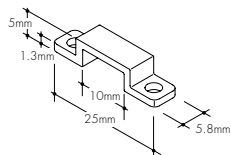


LLVC240 OUTPUT	Max Run Length In Series	
	Continuous Strip	Strip to strip with Minii
VLO	17.3	17.3
LO	9.5	9.8
SO	8.5	8.5
MO	7.3	6.7
HO	6.4	5.6
VHO	5.5	4.2
XHO	3.7	3.3

Accessories

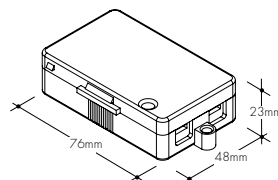
CL1

Mounting clip



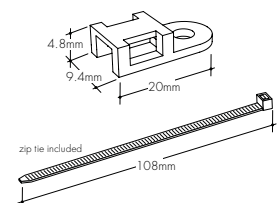
LVSP-IP20-4T-BK

Low Voltage, 4 Terminal Splice Box, Black



LL-ZIP

Cable/Wire Strain Relief Clip



Recommended every 300mm when LineLED strip is facing down



Lens Options / Light Transmission



Clear



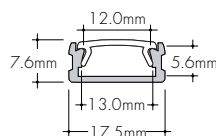
Half (50%)
Frosted



Frosted



KS Channel (KSC-XX)



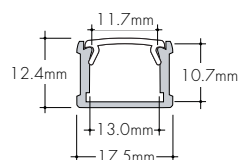
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KSC-KS Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	FC-Fixed Clip FC45-Fixed Clip 45°	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



KM Channel (KMC-XX)



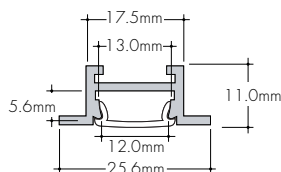
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KMC-KM Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	FC-Fixed Clip FC45-Fixed Clip 45°	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



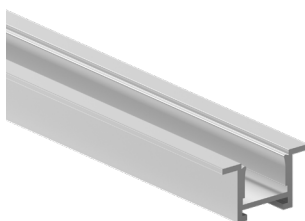
KRS Channel (KRSC-XX)



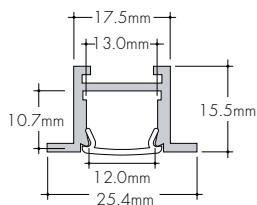
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KRSC-KRS Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	HS-Hard Surface Mounting Bracket GS-Gypsum Surface Mounting Bracket	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



KRM Channel (KRMC-XX)



Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KRMC-KRM Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	HS-Hard Surface Mounting Bracket GS-Gypsum Surface Mounting Bracket	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.

Installation

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

Ordering

Extrusion are sold separately.



Lens Options / Light Transmission



Clear



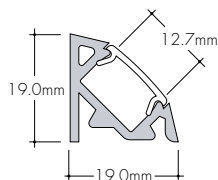
Half (50%)
Frosted



Frosted



K45V Channel (K45V-XX)



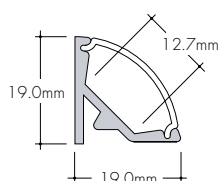
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
K45VC-K45V Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	CB-Concealed Bracket	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



K45R Channel (K45R-XX)



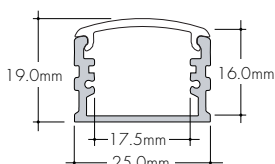
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
K45RC-K45R Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	CB-Concealed Bracket	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



Basics X-Large Channel (BXC-XX)



Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
BXC-Basics X-Large Channel	2M-2 meter	F-Frosted	FC-Fixed Clip	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.

Installation

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

Ordering

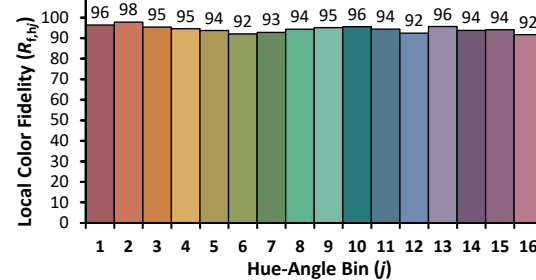
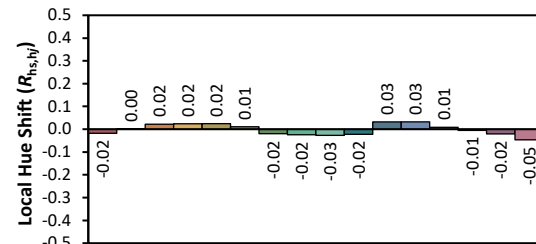
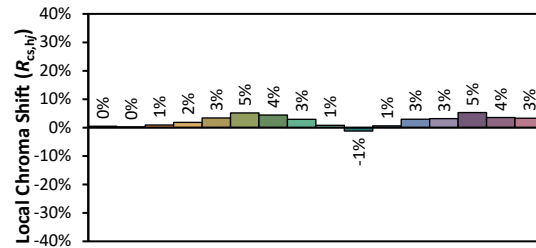
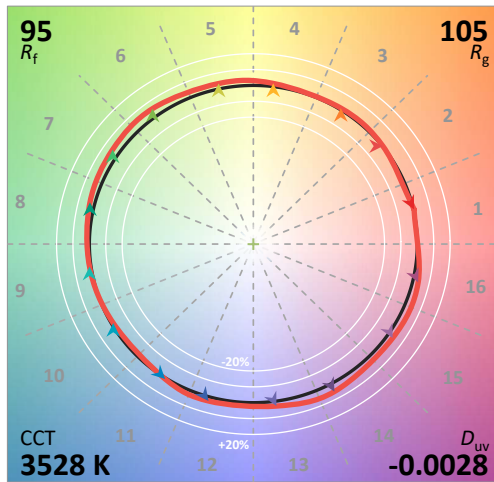
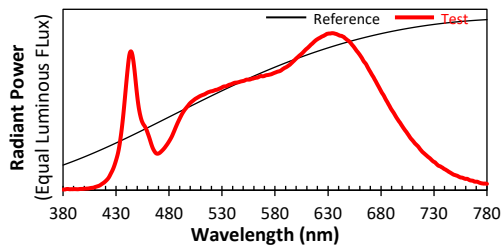
Extrusion are sold separately.



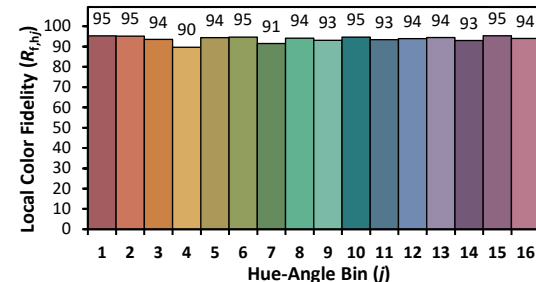
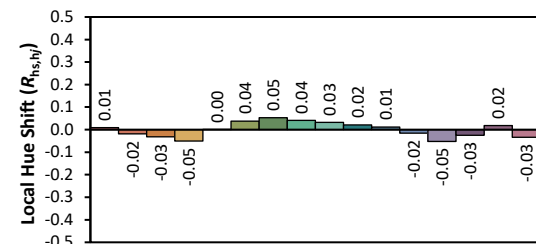
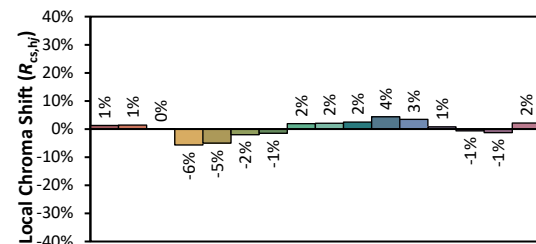
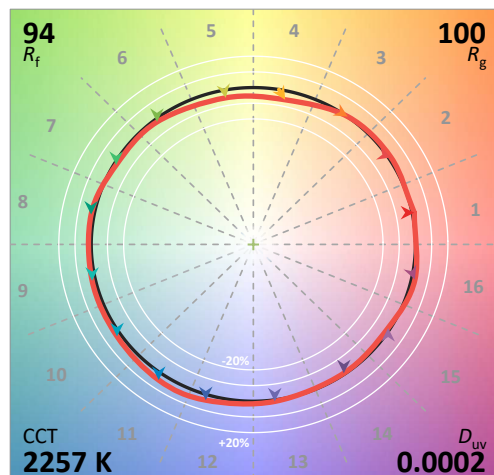
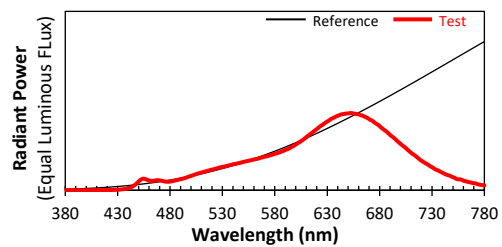
LineLED Vibrant Color Series LLVC240-IP20

TM-30-18: Data

1800K



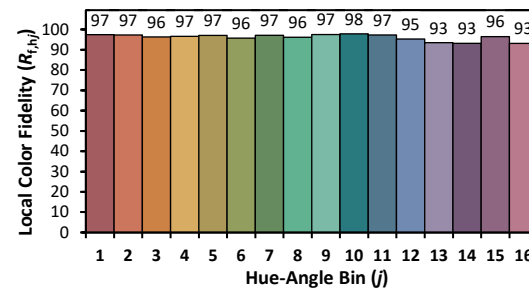
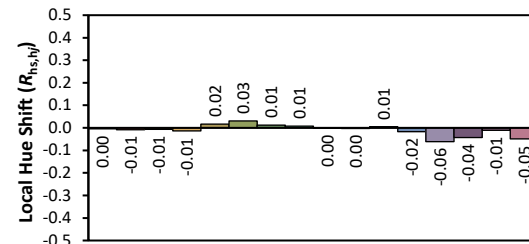
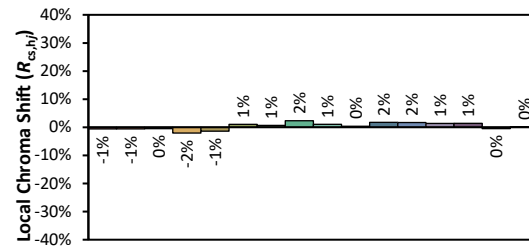
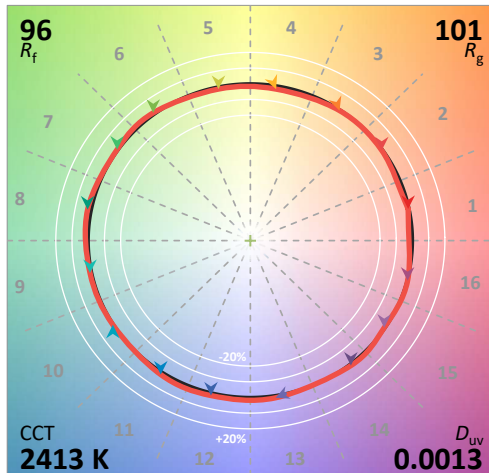
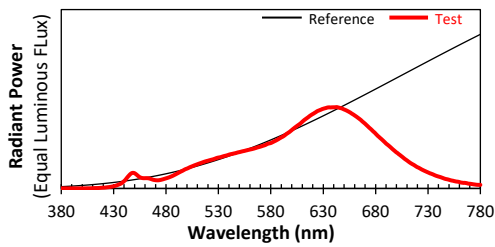
2200K



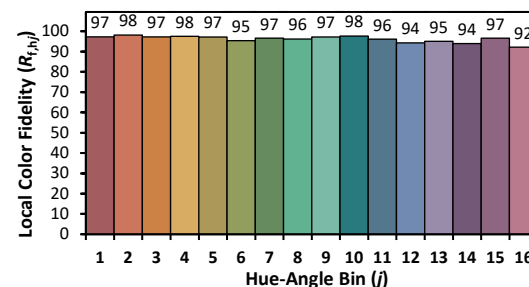
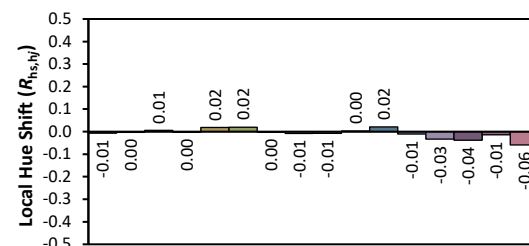
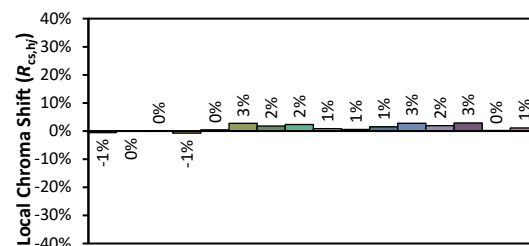
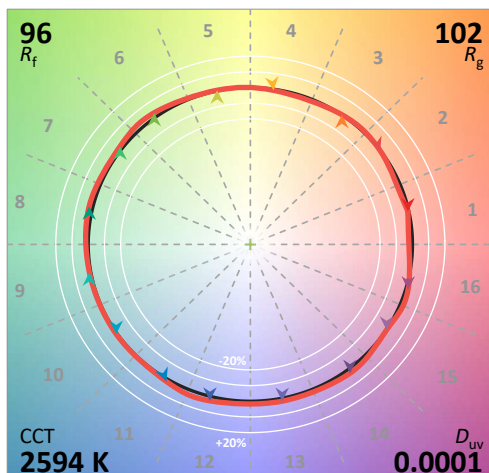
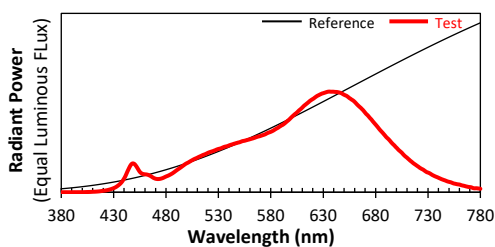
LineLED Vibrant Color Series LLVC240-IP20

TM-30-18: Data

2400K



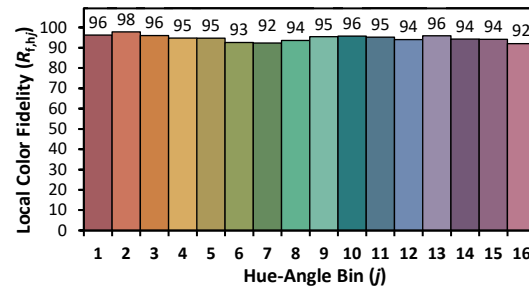
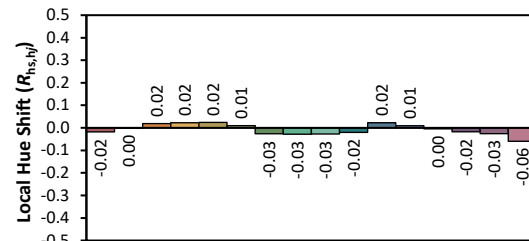
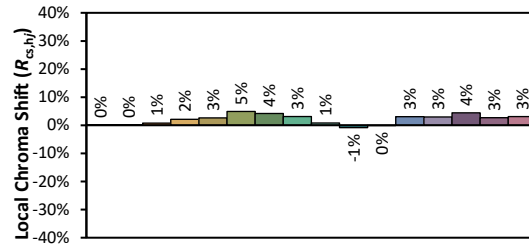
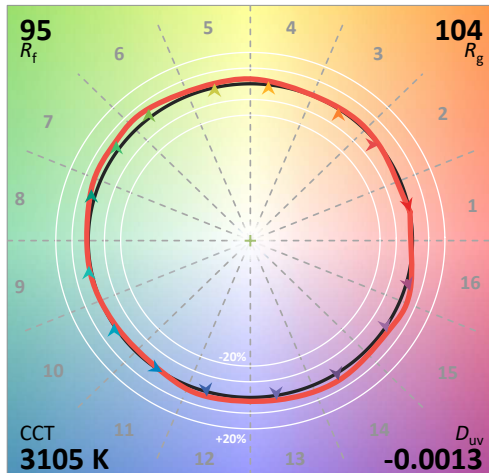
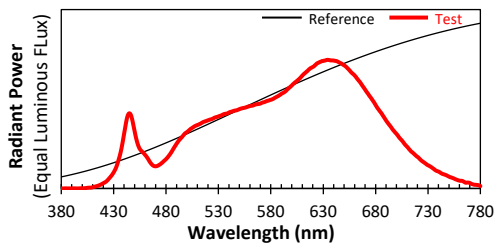
2700K



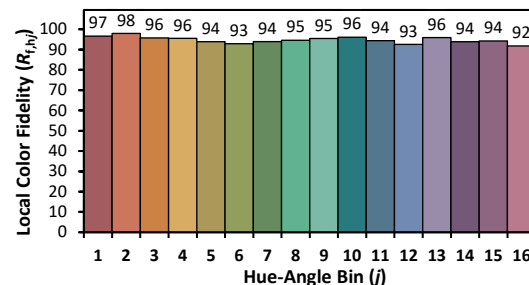
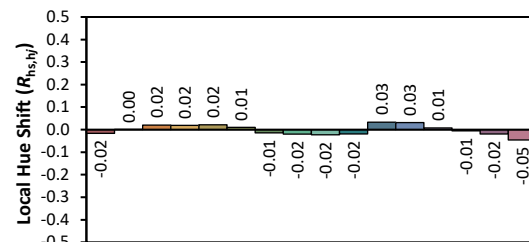
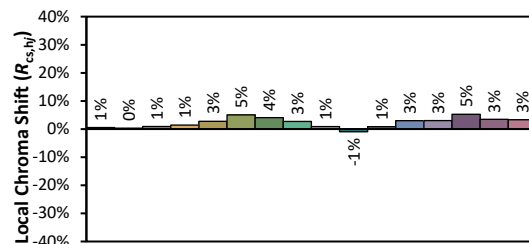
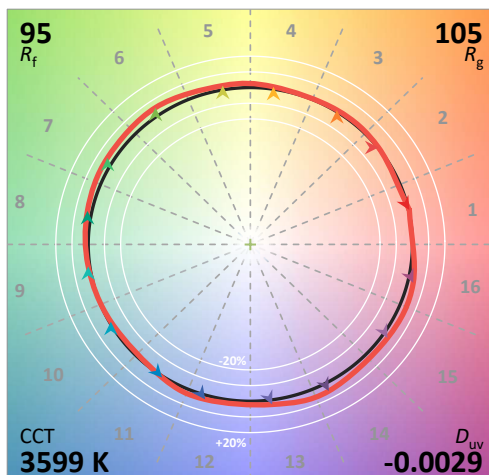
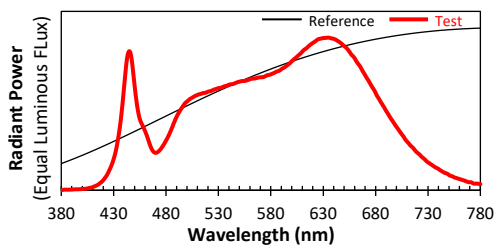
LineLED Vibrant Color Series LLVC240-IP20

TM-30-18: Data

3000K



3500K



TM-30-18: Data

4000K

