

QLUXF5000600LED9 SERIES

Architectural Grade Color Tunable Flexible LED Tape



CRI / R9	90+/80+
Lumens per foot	230 lm/ft
LEDs per foot	36 LEDs/ft
Cut Lengths	3.9" (100mm)
Watts per foot	3W/ft
Input Voltage	24V DC
Luminous Efficiency	72,78 lm/W
Tape Width	0.4"(10mm)
Reel Length	16.4ft.(5M)



RoHS



- High CRI 90+ and high R9 80+, TLCI-2012 97
- Adjustable CCT tuning range from 2000K to 6500K
- Title 24 Compliant
- Maximum run length 5 meters
- LM80 LEDs
- Uniform, Linear light output
- IP rating available IP20, IP54, and IP64

FEATURES

- Tight binning less than 3 MacAdam Ellipses
- UL Listed
- 50,000 hour rating
- Ideal for use with LTF UniDriver series 24V constant voltage LED drivers

MODEL SPECIFICATIONS

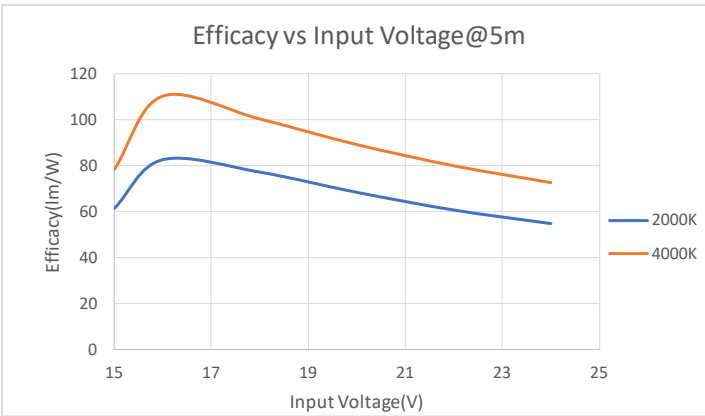
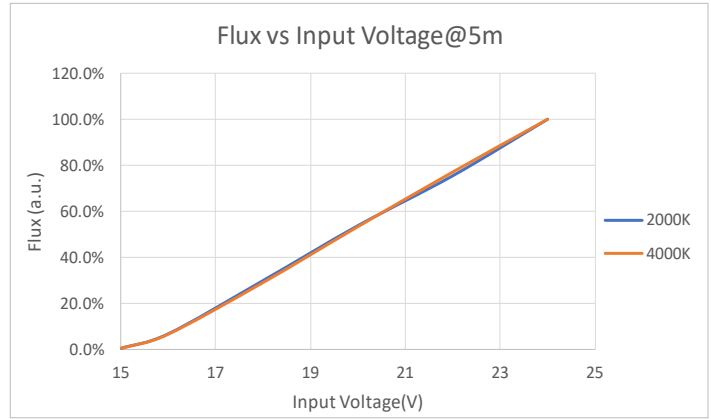
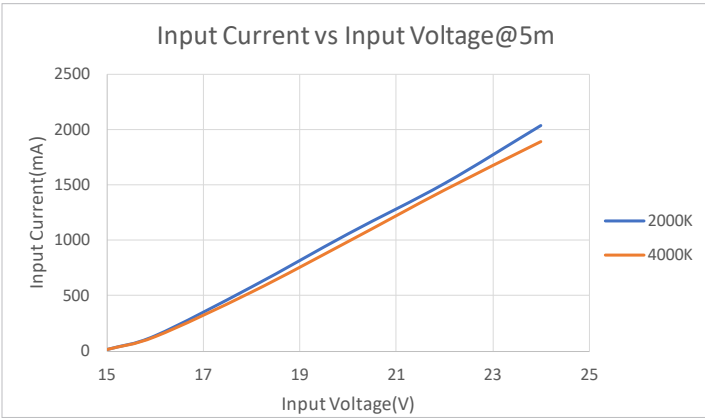
Model Number	Input Voltage	Adjustable CCT	IP	Lm/m*	W/m*	lm/W*	Reel Length
QLUXF5000600LED92040	24V DC	2000K to 4000K	IP20	720lm/m	10W/m	72lm/W	16.4ft.(5M)
QLUXF5000600LED92065	24V DC	2000K to 6500K	IP20	770lm/m	10W/m	78lm/W	16.4ft.(5M)

*Measurements based on 24V input voltage

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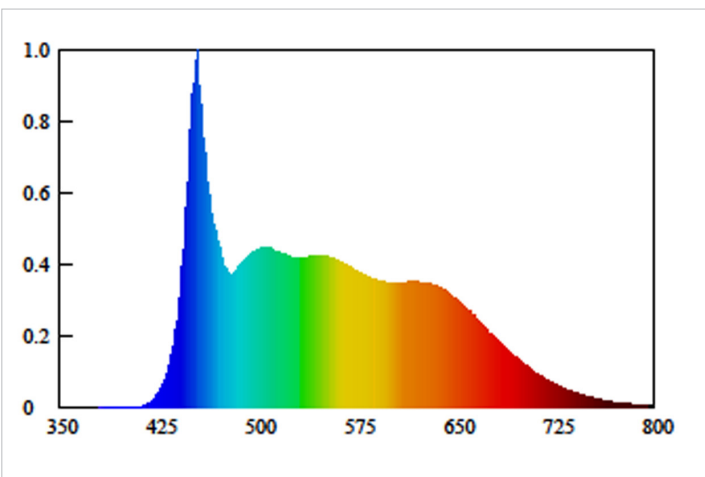
DIMMING CURVES



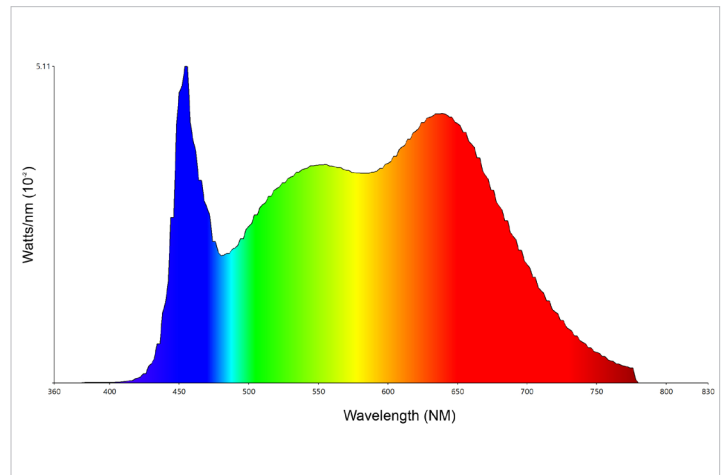
* All dimming curves using model QLUXF5000600LED92040

SPECTRORADIOMETRIC PARAMETERS

6500K

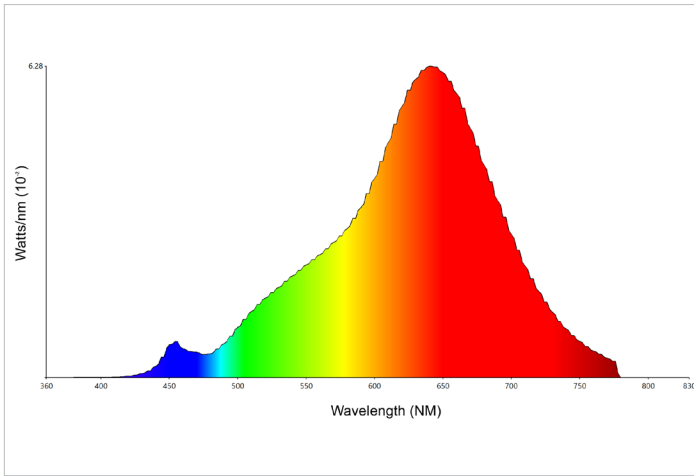


4000K



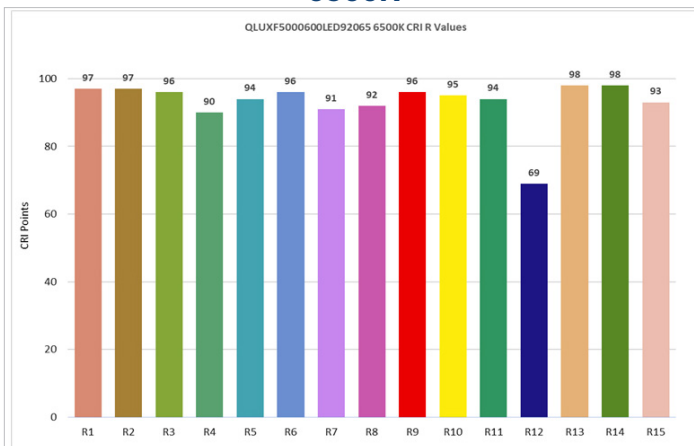
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2000K

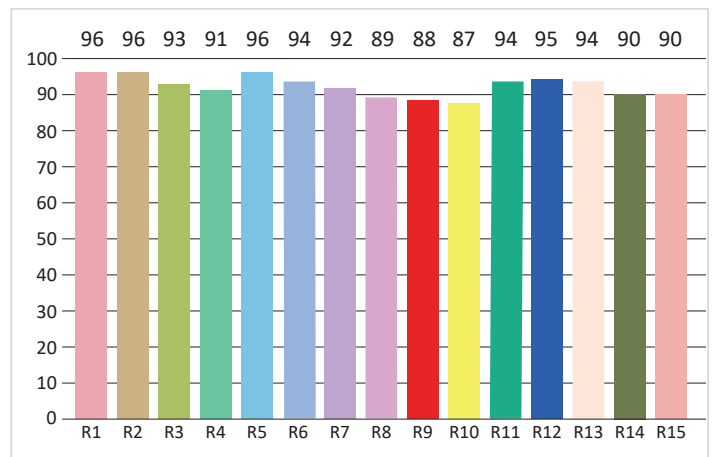


CRI TEST

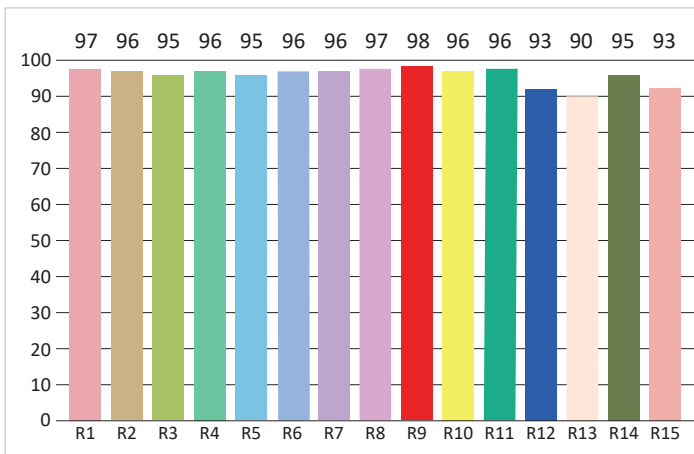
6500K



4000K



2000K



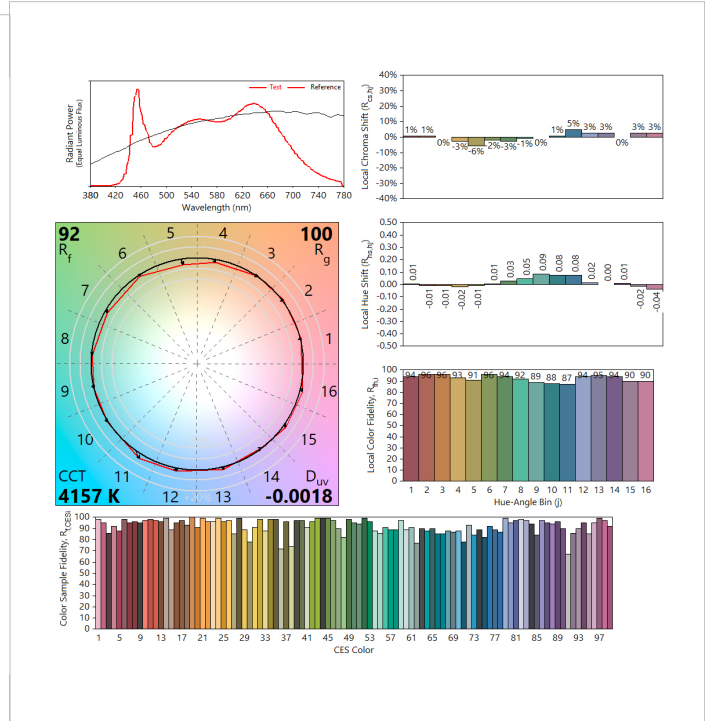
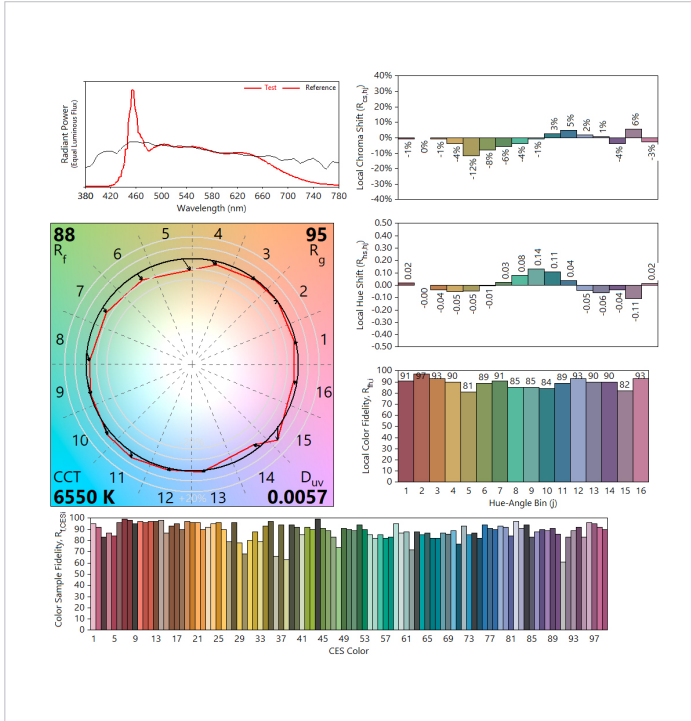
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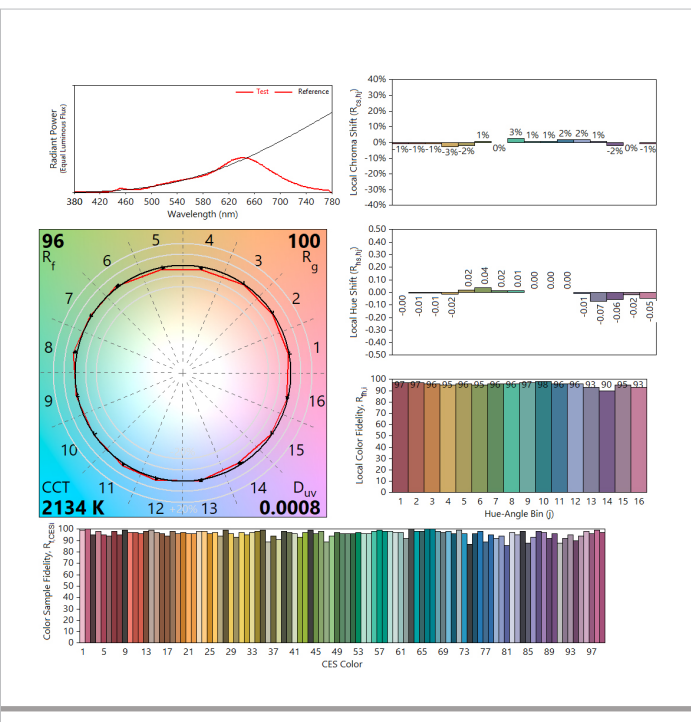
TM-30 CHART

6500K

4000K



2000K



* All tests using model QLUXF5000600LED92040

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CHARACTERISTICS

PERAMETER		RATED VALUE	UNIT
Forward Voltage DC	VF	24V DC	V
Forward Current	IF	125	mA/12"
Power	PD	3	W/12"
CRI	Ra	>95	/
Luminous Flux	Φ	230	Lm (12")
PCB Width	W	10	mm
Copper Thickness	T	3	OZ
Min. Buckling Radius	R	≥50	mm
Viewing Angle @ 50% Iv	2Θ	120°	deg
Static Electricity	ESD	800	V
Junction Temperature	Tj	115	*C
IP Grade	IP	IP20 not waterproof	
LED Color Temperature	CCT	2000K to 4000K	K
LED Brightness	LM	10lm/LED	lm

Θ is half viewing angle at 50% Iv
Luminous Flux testing acceptable tolerance ±10%
CRI testing acceptable tolerance: -1
Voltage testing acceptable deviation" ±1V

The CCT of the LED strip will change after the strip is glued
Luminous Flux is the brightness of 1m
The item is high power, remember to use with aluminum profile for heat dissipation

RECOMMENDED LTF DRIVER

MODEL NUMBER	WATTS	OUTPUT VOLTAGE
DS96W24VBR1UD-3002	96W	24V Constant Voltage

CCT CHANGER

FIXED MODEL			
MODEL NUMBER	CHANNEL/WATTS	OUTPUT VOLTAGE(V)	OUTPUT CURRENT
SI2X100WAD1224BT2 (wireless)	2 x 100W	12-24V	4A per channel
SI2X250WD1552SL2 (wired)	2 X 250W	12-48V	6.5A per channel
TUNEABLE MODEL			
MODEL NUMBER	CCT	OUTPUT VOLTAGE(V)	OUTPUT CURRENT
SIX250WD1552PT2-1 (wired)	4 Step Selectable or 0-10V CCT Tuning	15-52V	10A per channel

For tape lengths less than full 5M reel, use appropriate LTF 24V drivers to match tape load power rating under worse scenarios.

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MECHANICAL SPECS

