

QLUXF5000600LED9 SERIES

Color Tunable 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

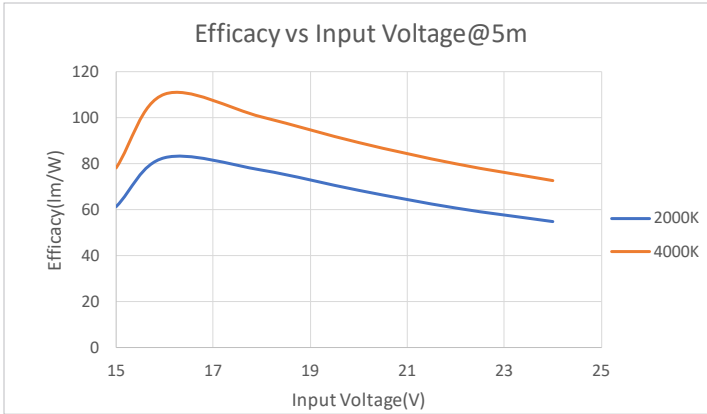
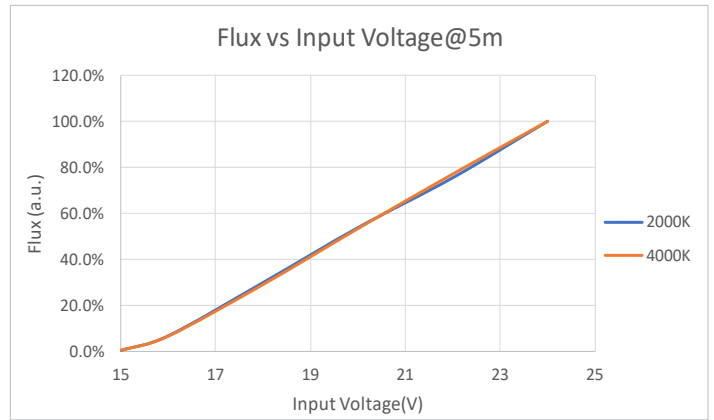
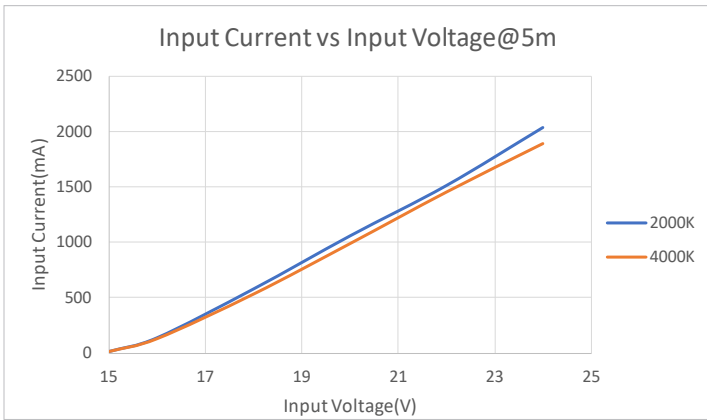
- Tight binning less than 3 MacAdam Ellipses
- UL Listed
- 50,000 hour rating
- Ideal for use with LTF UniDriver series 24V constant voltage LED drivers

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

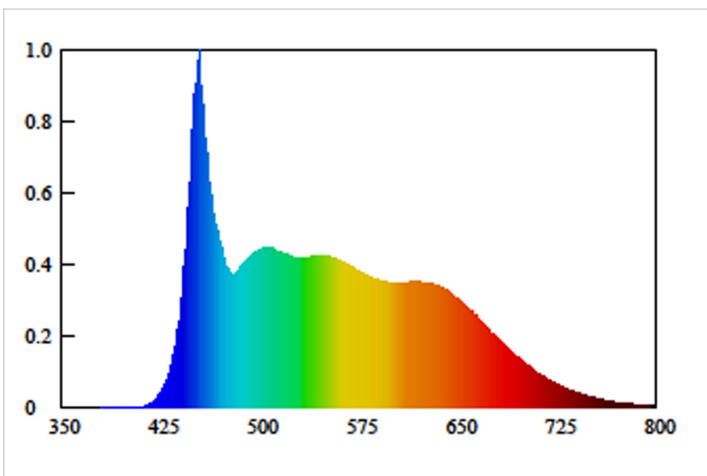
DIMMING CURVES



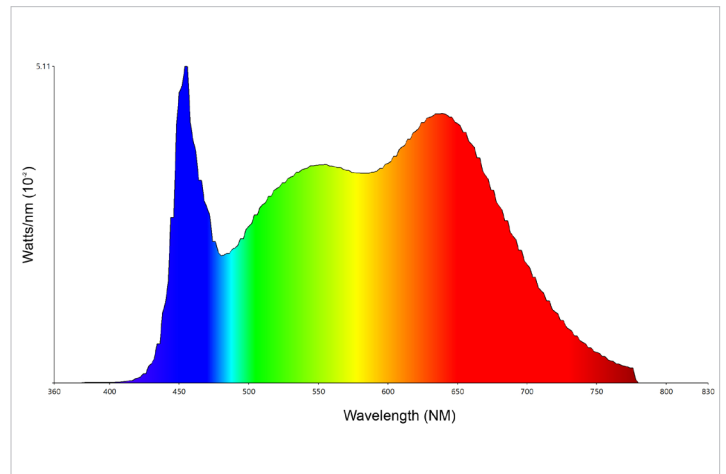
* All dimming curves using model QLUXF5000600LED92040

SPECTRORADIOMETRIC PARAMETERS

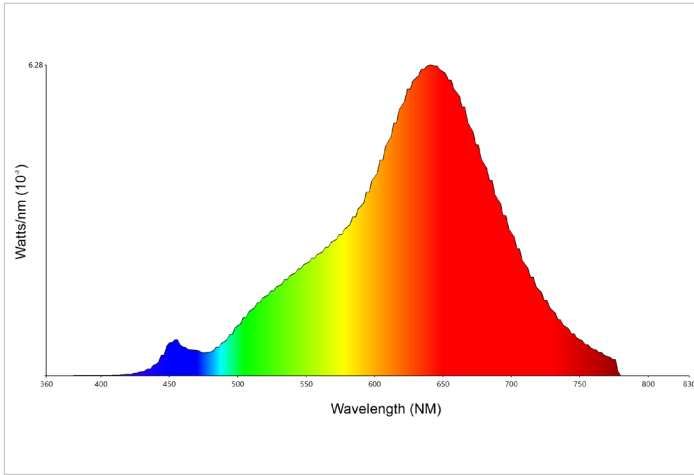
6500K



4000K

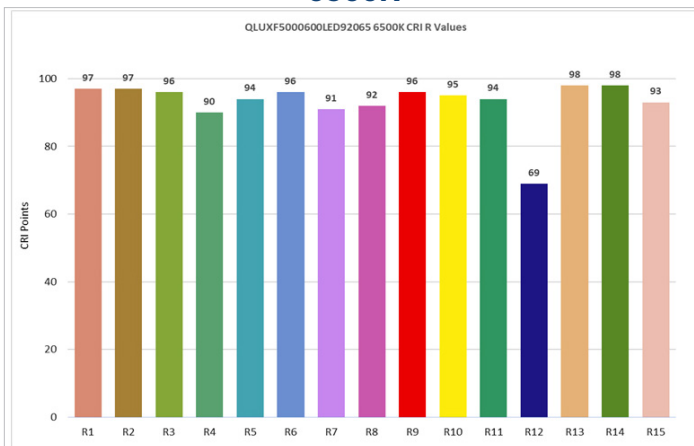


2000K

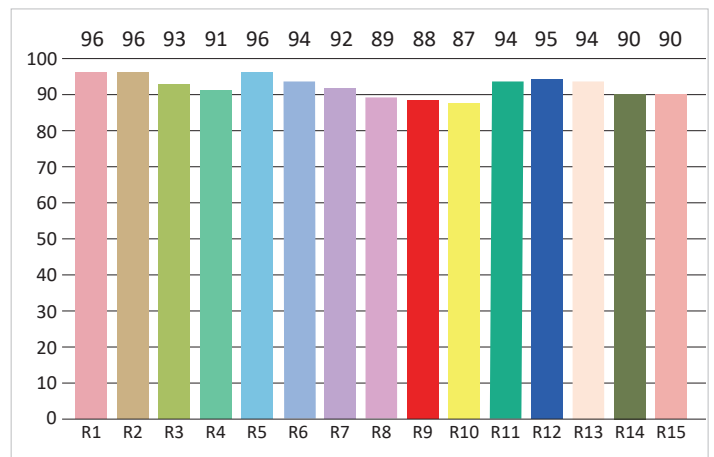


CRI TEST

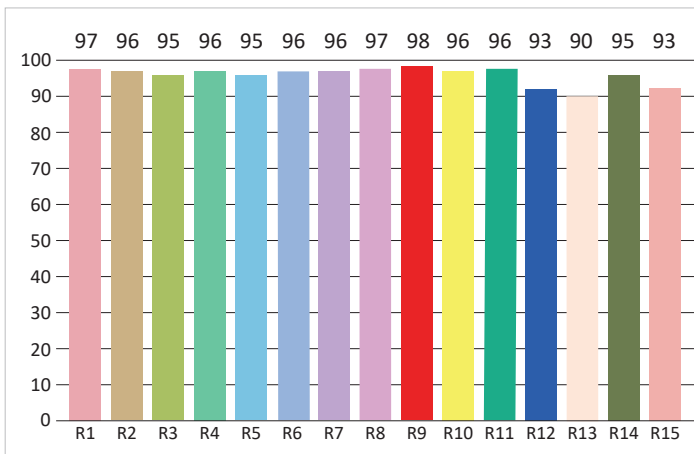
6500K



4000K



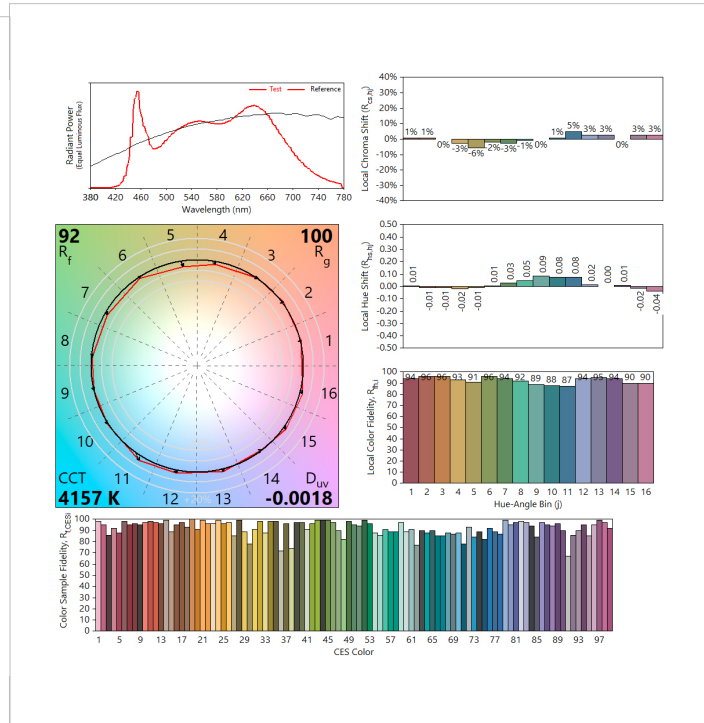
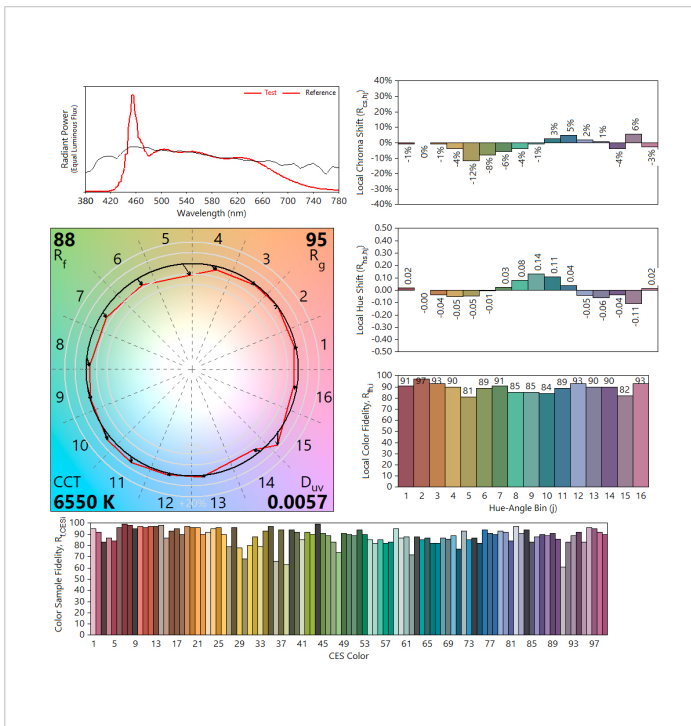
2000K



TM-30 CHART

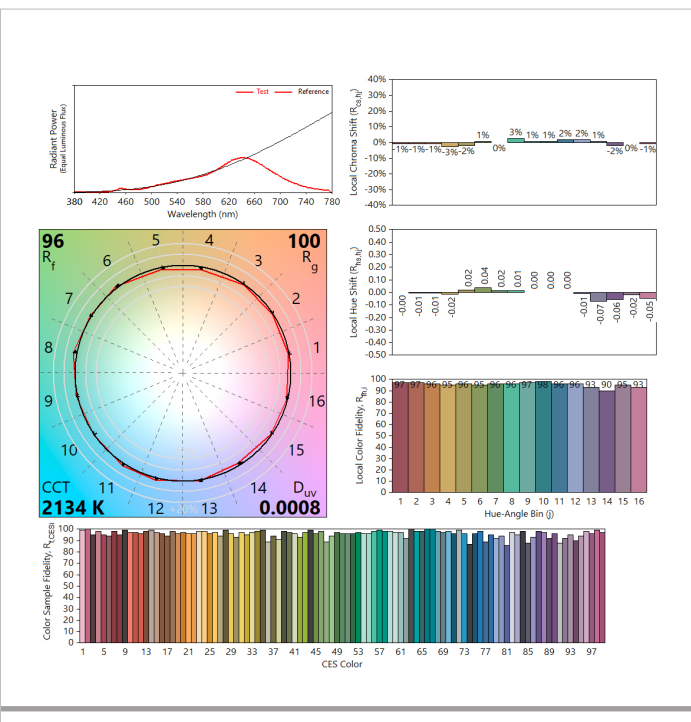
6500K

4000K



2000K

* All tests using model QLUXF5000600LED92040



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

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.

MECHANICAL SPECS

