

QLUXF50001200LED92718WD

Warm to Dim LED Tape



CRI	>95
R9 Value	>90
Lumens per foot	≈316.6lm/ft
LED's per foot	72 LEDs/ft
Cut Lengths	51.1mm (~2in)
Watts per foot	~4.96 w/f
Input Voltage	24V DC
Luminous Efficiency	≥63.9lm/w
Tape width	10mm
Max. run	8m



RoHS



- High CRI >95 and high R9 >90, TLCI-2012 97
- Warm to Dim adjustable CCT tuning range from 1800K to 2700K
- Title 24 Compliant
- Maximum run length 8 meters
- LM80 2835 LEDs
- Uniform, Linear light output

FEATURES

- IP rating available IP20, IP54, and IP64
- 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 KEY

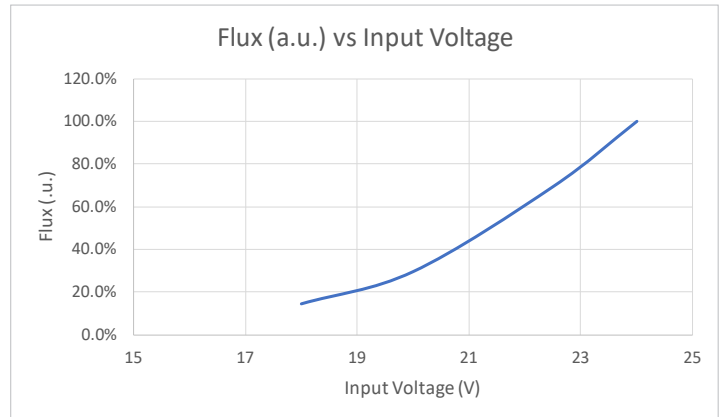
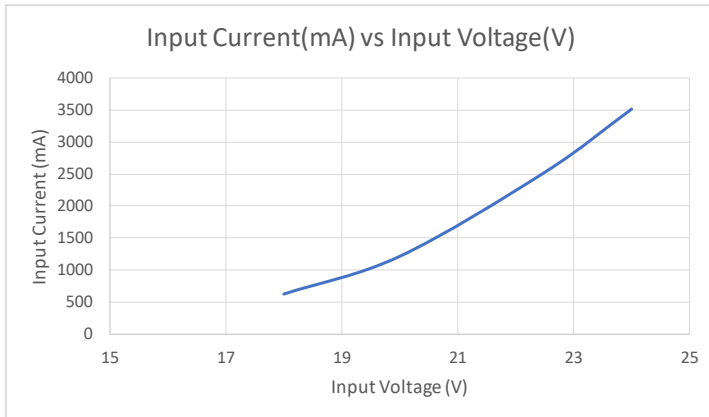
QLUXF	5000	1200LED	9	2718	WD
Tape	Length (mm)	Number of LEDs	CRI	CCT	Warm to Dim

MODEL SPECIFICATIONS

Model Number	Input Voltage	CCT	IP	Lm/m*	W/m*	lm/W*	Reel Length
QLUXF50001200LED92718WD	24V DC	1800K to 2700K	IP20	1038.8 lm/m	16.26 W/m*	63.9 lm/W	5m

*Measurements based on 24V input voltage

DIMMING CURVES

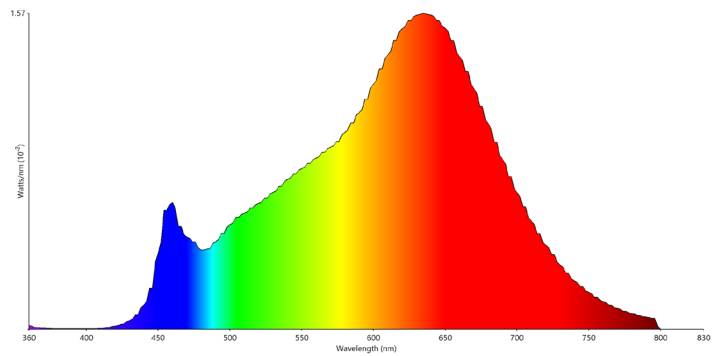
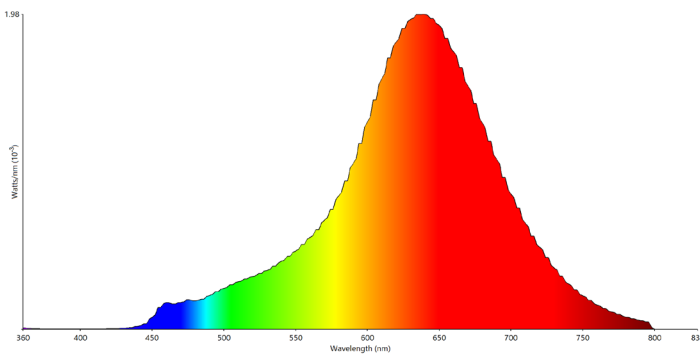


* All dimming curves using model QLUXF50001200LED92718WD

SPECTRORADIOMETRIC PARAMETERS

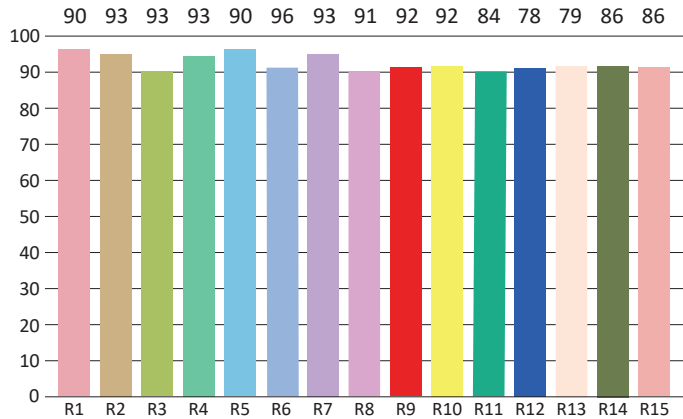
1800K

2700K

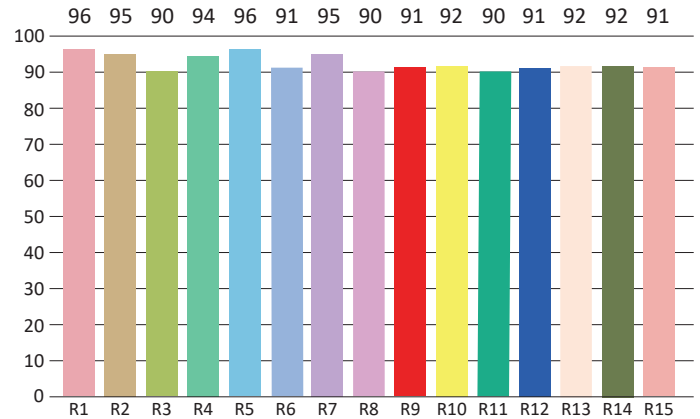


CRI TEST

1800K

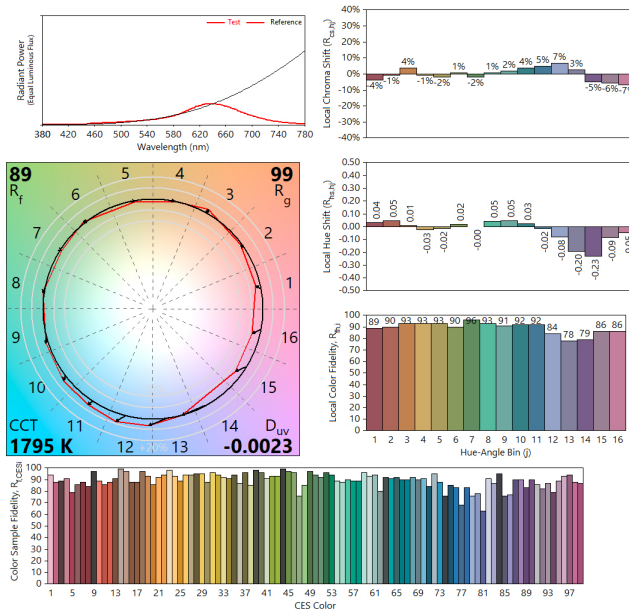


2700K

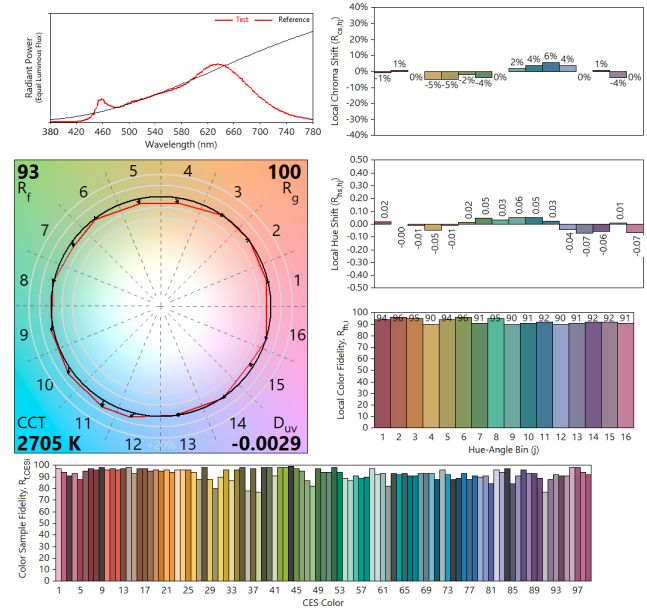


TM-30 CHART

1800K



2700K



* All tests using model QLUXF50001200LED92718WD

CHARACTERISTICS

PERAMETER		RATED VALUE	UNIT
Forward Voltage DC	VF	24VDC	V
Forward Current	IF	214	mA/12"
Power	PD	4.96	W/12"
CRI	Ra	+94	/
Luminous Flux	Φ	316.6lm	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	2700K dims to 1800K	K
LED Brightness	LM	4.33lm/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

COMPATABLE LED DRIVERS

Model Number	Output Voltage
DS96W24VBR1UD-3002	24V Constant Voltage Driver

MECHANICAL SPECS

