



L.T.F

QFlex LED Tape Series

Premier High-Density Soft LED Strip Color Tunable - Adjustable CCT 2000K to 4000K



Specifications	
CCT (Adjustable)	2000K - 4000K
CRI	Ra 95+
R9 Value	90+
Lumens per Foot	~530lm/ft
LEDs Per Foot	72 LEDs/ft
Cut Lengths	50mm (~2in)
Watts Per Foot	~7W/ft
Input Voltage	24VDC
Luminous Efficacy	71 lm/W



RoHS

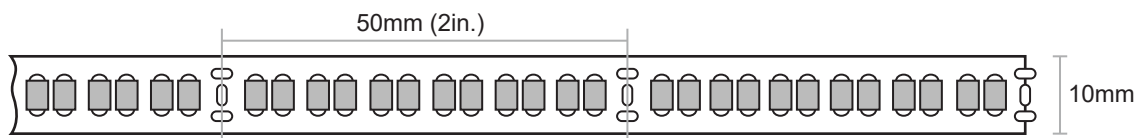


FEATURES

- Optional CCT tuning range 2000K to 4000K
- High Color Rendering Index (CRI) Ra max. 95+ and R9 90+
- Title 24 Compliant
- High efficacy lumen output - 71 lm/W
- UL Registered
- LM80 Compliant LEDs
- Tight binning less than 3 step Mac Adam Ellipses
- Uniform linear light output
- High efficiency LED tape
- 50,000 hour rating

Model #	Input Voltage	CCT	lm/m	W/m	lm/W
QLUXF50001200LED92040	24V DC	2000k + 4000K LEDs	1640 lm/m	23 W/m	71 lm/W

MECHANICAL SPECS



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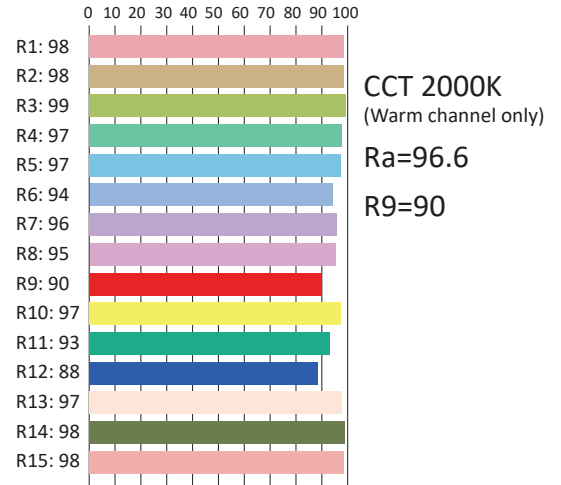
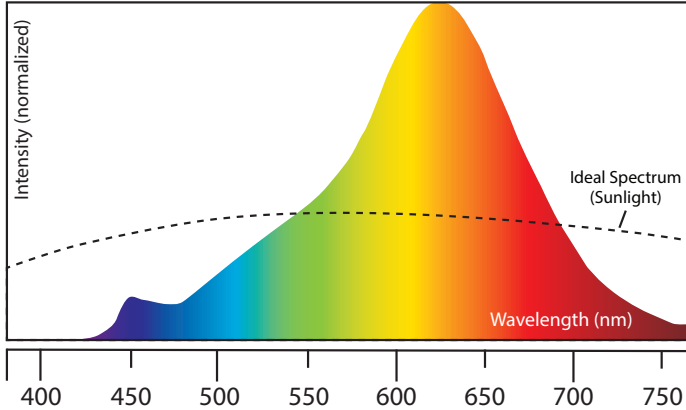


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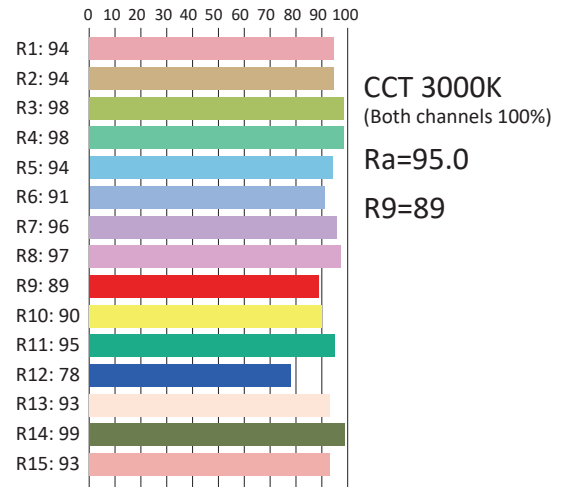
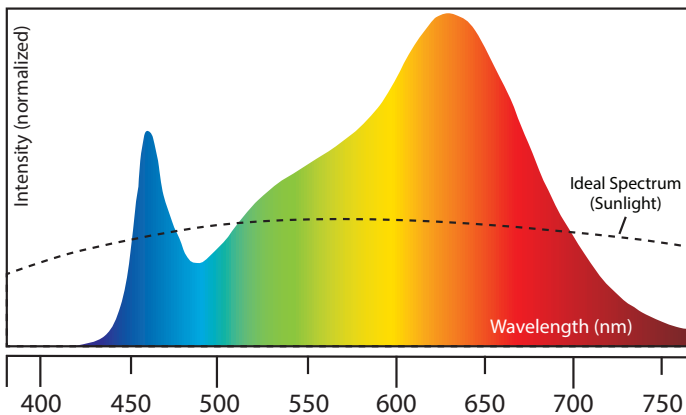
SPECTRORADIOMETRIC PARAMETERS

CRI TEST RESULTS

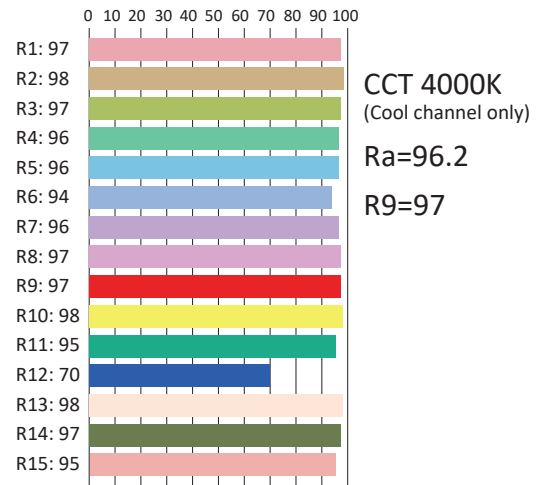
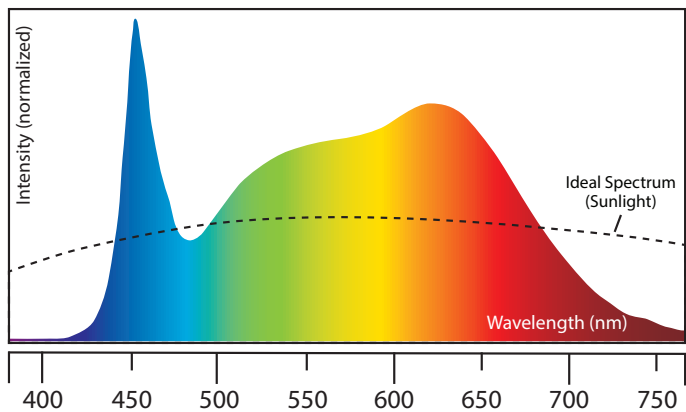
CCT 2000K (Warm channel only)



CCT 3000K (Both channels 100%)



CCT 4000K (Cool channel only)



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ELECTRICAL SPECIFICATIONS

Parameter		Rated Value	Unit
Forward Voltage DC	VF	24VDC	V
Forward Current	IF	290	mA/12"
Power	PD	7	W/12"
CRI	Ra	95+	
Luminous Flux	Φ	530lm	Lm (12")
PCB Width	W	10	mm
Copper Thickness	T	3	OZ
Min. Element Size	L	50mm	mm
Min. Buckling Radius	R	≥ 50	mm
Angle	2θ½	120	deg
Static Electricity	ESD	800	V
Junction Temperature	Tj	115	°C
IP Grade	IP	IP20 not waterproof	/
LED Color Temperature	CCT	2000k - 4000K Adjustable	K
LED Brightness	LM	7 lm/LED	lm

2θ½ is half-value angle

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