

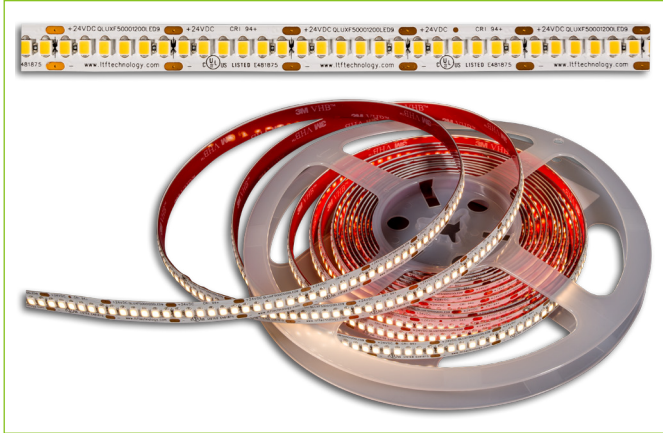


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QFlex LED Tape Series

Quantum Lux Flexible LED Solution

QLUXF50001200LED High CRI 90+ R9 85+



Specifications	
CCT	2200K - 4000K
CRI	90+
R9	85+
Lumens per Foot	~520lm/ft
LEDs Per Foot	72 LEDs/ft
Cut Lengths	1in (2.54cm)
Watts Per Foot	~7W/ft
Input Voltage	24VDC
Luminous Efficacy	> 70 lm/W



FEATURES

- CCT options from 2200K to 4000K
- High Color Rendering Index (CRI) Ra max. 90+ and R9 85+
- Title 24 Compliant
- High efficacy lumen output - 70 lm/W
- UL Registered
- LM80 Compliant LEDs
- Tight binning less than 3 Mac Adam Ellipses
- Uniform linear light output
- High efficiency LED tape
- 50,000 hour rating

ELECTRICAL SPECIFICATIONS

Model #	Input Voltage	CCT	lm/m	W/m	lm/W
QLUXF50001200LED922	24V DC	2200k	1600 lm/m	23 W/m	70 lm/W
QLUXF50001200LED925	24V DC	2500k	1600 lm/m	23 W/m	70 lm/W
QLUXF50001200LED927	24V DC	2700k	1700 lm/m	23 W/m	74 lm/W
QLUXF50001200LED930	24V DC	3000k	1700 lm/m	23 W/m	74 lm/W
QLUXF50001200LED932	24V DC	3200k	1750 lm/m	23 W/m	76 lm/W
QLUXF50001200LED940	24V DC	4000k	1750 lm/m	23 W/m	76 lm/W

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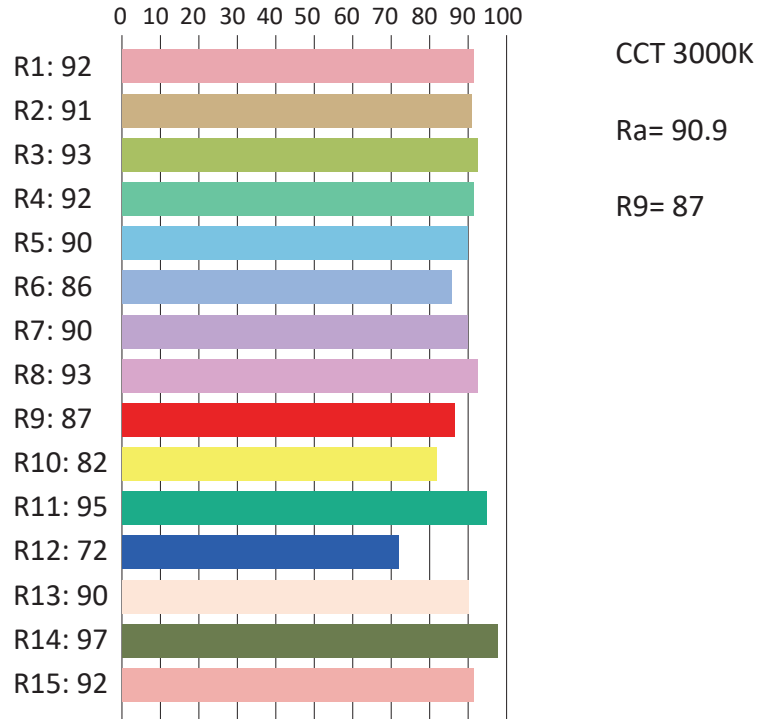
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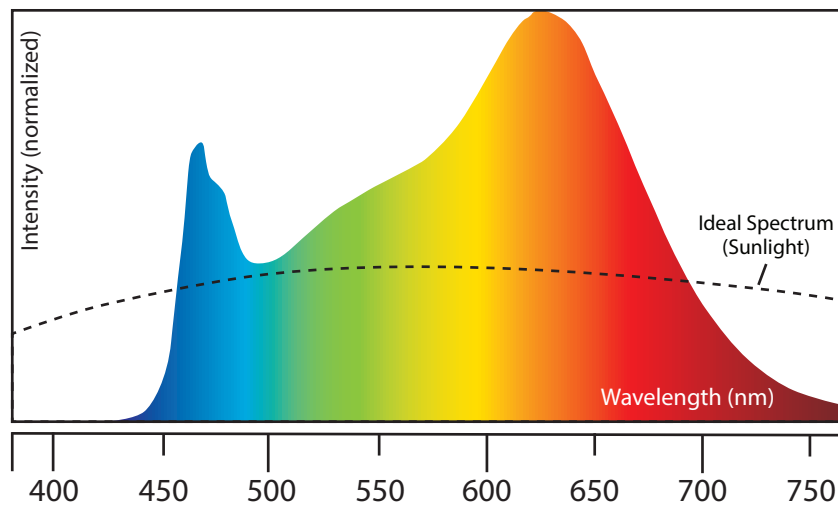
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CRI TEST RESULTS



SPECTRORADIOMETRIC PARAMETERS



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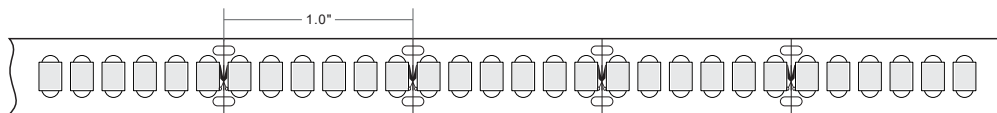
ELECTRICAL SPECIFICATIONS

Parameter		Rated Value	Unit
Forward Voltage DC	VF	24VDC	V
Forward Current	IF	290	mA/12"
Power	PD	7	W/12"
CRI	Ra	+90	
Luminous Flux	Φ	520lm	Lm (12")
PCB Width	W	10	mm
Copper Thickness	T	3	OZ
Min. Element Size	L		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	2200K/2500K/2700K/3000K/3200K/4000K	K
LED Brightness	LM	22lm/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
Luminous Flux is the brightness of 1m
The item is high power, remeber to use is with an aluminum profile for heat dissipation

MECHANICAL SPECS



Quantum Lux Flexible LED Tape Series