

QLUXF50001200LEDCOB9 SERIES

COB LED Tape

QFLEX



CRI, R9	92+ / 50+
Lumens per foot	~427 lm/ft
LEDs per foot	72 LEDs / ft.
Cut Lengths	2" (51 mm)
Watts per foot	4.5 W/ft
Input Voltage	24V DC
Luminous Efficiency	95 lm/W
Tape Width	0.4 in. (10 mm)



RoHS



FEATURES

- COB-like remote phosphor covers LEDs for even light distribution along the length of the tape.
- Superior Color Rendering CRI 92.4
- High efficacy lumen output 95 lm/W
- 51mm cut lengths with solder pads
- LM-80 compliant LEDs
- Tight Binning 3 Step Mac Adam Ellipses
- Low heat generation, easy thermal management
- Easy to fit in new design or retrofit applications

APPLICATIONS

Ideal for new and retrofit architectural designs and lighting fixtures.

Indoor Lighting

- Wall Wash Effects
- Ceiling Light
- Fixtures
- Signage

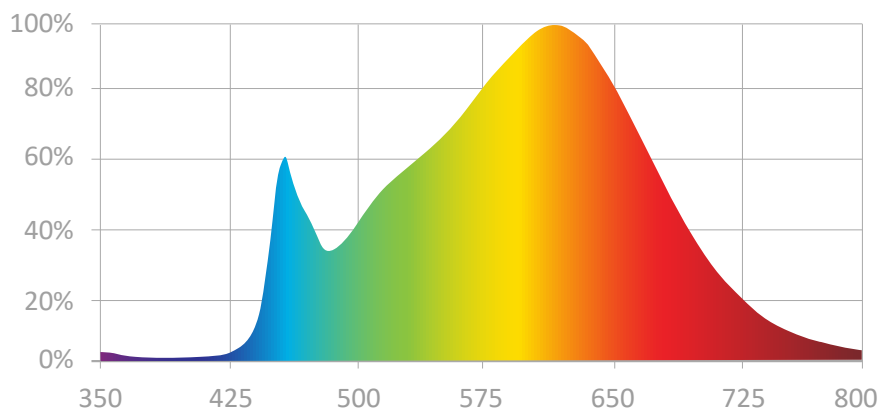
Outdoor Lighting

- Street Light
- Marker Light
- Wall Sconces
- Signage Light

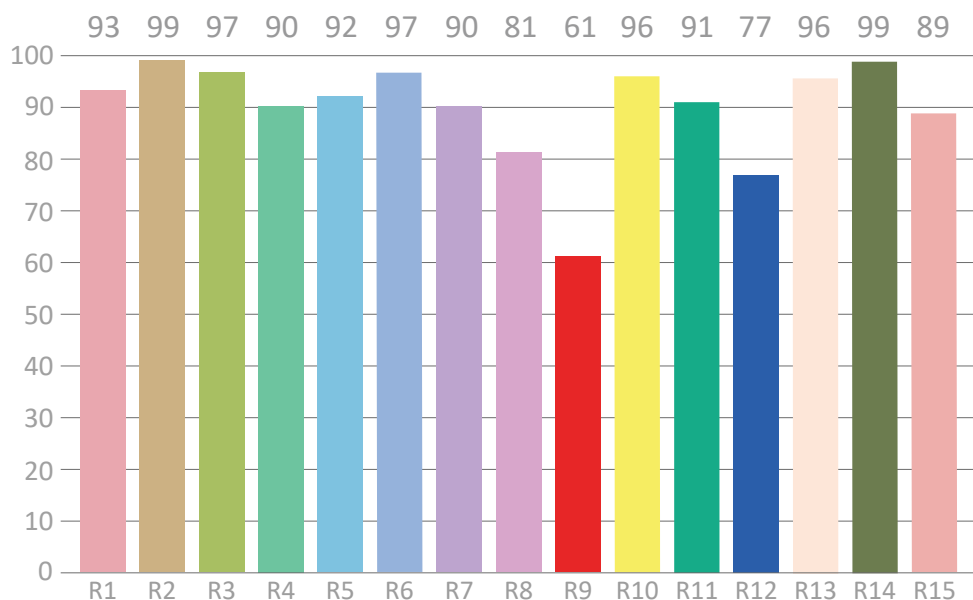
MODEL SPECIFICATIONS

Model Number	CCT	Input Voltage	lm/m	W/m	lm/W
QLUXF50001200LEDCOB927	2700K	24V DC	1350 lm/m	15 W/m	90 lm/W
QLUXF50001200LEDCOB930	3000K	24V DC	1425 lm/m	15 W/m	95 lm/W
QLUXF50001200LEDCOB935	3500K	24V DC	1455 lm/m	15 W/m	97 lm/W
QLUXF50001200LEDCOB9xx	Custom CCT	24V DC	--	--	--

SPECTRORADIOMETRIC CHARACTERISTICS (3000K)



CRI TEST RESULTS (3000K)



R1=93	R2=99	R3=97	R4=90	R5=92	R6=97	R7=90	R8=81
R9=61	R10=96	R11=91	R12=77	R13=96	R14=99	R15=89	Re=90

ELECTRICAL SPECIFICATIONS

Parameter		Rated Value	Unit
Forward Voltage DC	VF	24V DC	V
Forward Current	IF	216	mA/12"
Power	PD	5.2	W/12"
CRI	Ra	92.4	
Luminous Flux	Φ	447.72	Lm (12")
PCB Width	W	10	mm
Copper Thickness	T	3	OZ
Min. Element Size	L	101	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	/
LED Color Temperature	CCT	3000K	K
LED Brightness	LM	16 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

MECHANICAL SPECS

