

QLUXF50001200LEDCOB9 SERIES

Architectural Grade COB Flexible LED Tape



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



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

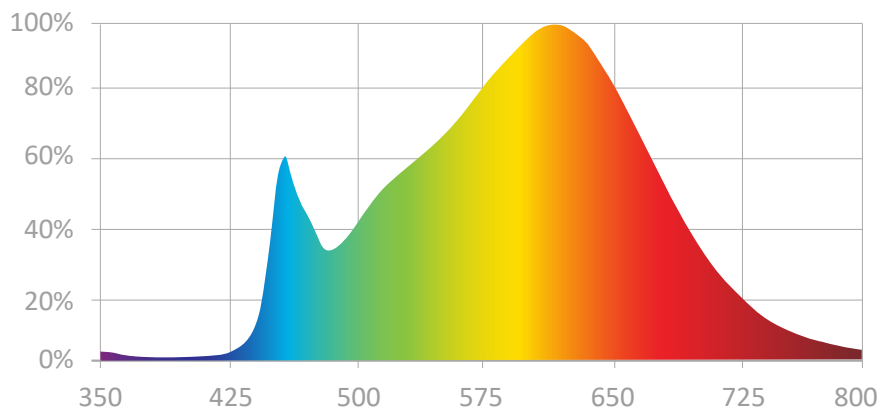
Outdoor Lighting

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

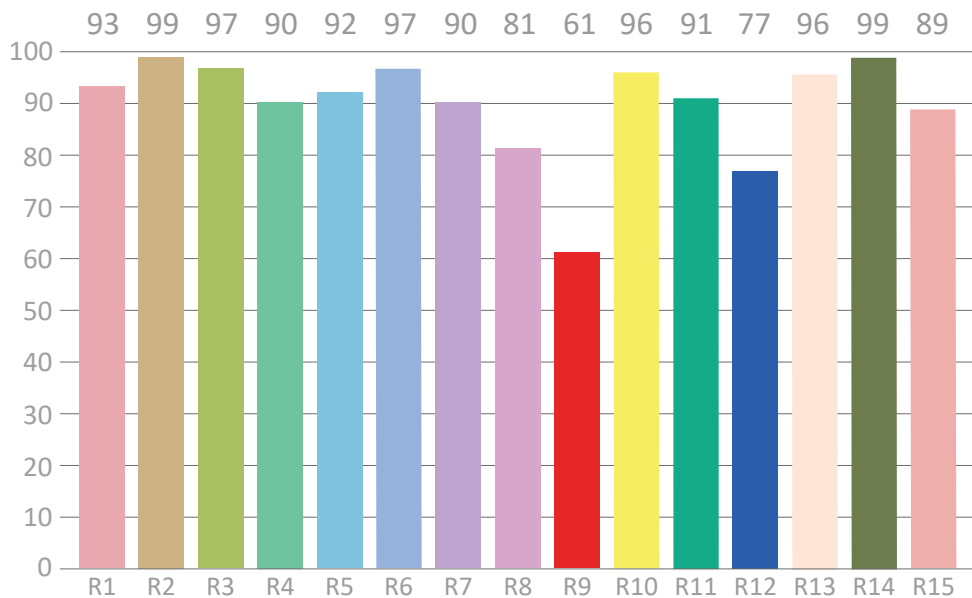
MODEL SPECIFICATIONS

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
QLUXF50001200LEDCOB9xx	Custom CCT	24V DC	--	--	--

SPECTRORADIOMETRIC CHART



CRI CHART



CHARACTERISTICS

Parameter		Rated Value	Unit
Forward Voltage DC	VF	24V DC	V
Forward Current	IF	106	mA/12"
Power	PD	2.6	W/12"
CRI	Ra	92.4	
Luminous Flux	Φ	427	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

MODEL NUMBER	WATTS	OUTPUT VOLTAGE
DS96W24VBR1UD-3002	96W	24V Constant Voltage

For tape lengths less than full 5M reel, use appropriate LTF 24V drivers to match tape load power rating under worse scenarios.

MECHANICAL SPECS

