



QLUXL3058W28LED930
8W 305mm Linear DC LED Board



Wattage	8W
CRI, R9	95.2, 81
Available CCT	2700K, 3000K, Custom
Lumens	≈660 lm
Efficacy	82.5 lm/W
Number of LEDs	28
Beam Angle	120°
Dimensions	305mm x 21mm
Dimming	Constant Current Reduction



FEATURES

- Superior Color Rendering CRI 95.2
- High efficacy lumen output 82.5 lm/W
- 76mm cut lengths with solder pads
- LM-80 compliant LEDs
- Tight Binning 3 Step Mac Adam Ellipses
- Uniform & crisp light source intensity
- Hot Spot Free Design
- Extra thin low profile
- 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

- Ceiling Light
- Wall Sconces
- Table Lamps
- Fixtures
- Signage

Outdoor Lighting

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

ELECTRICAL SPECIFICATIONS

Model #	CCT	Typ. Wattage	Typ. Forward Voltage	Max. Forward Voltage	Typ. Forward Current	Max. Forward Current
QLUXL3058W28LED927	2700	8W	24V	26V	330mA	450mA
QLUXL3058W28LED930	3000					
QLUXL3058W28LED9-XX	Custom CCT					



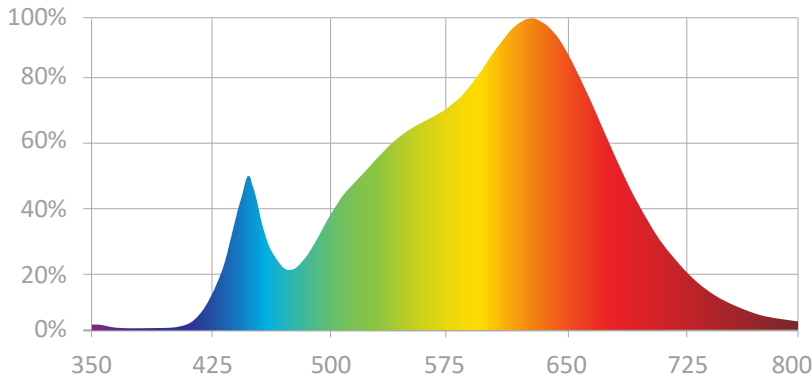
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QLUX DC LED Series



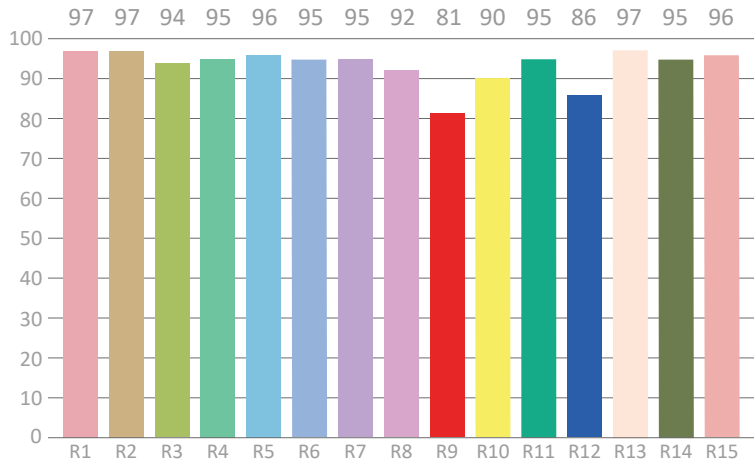
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SPECTRORADIOMETRIC CHARACTERISTICS - 3000K



Luminous Flux: 660 lm
Radiant Flux: 3.337 W
Efficacy: 82.5 lm/W
Nominal CCT: LED_3000K
 $x_0=0.4338$ $y_0=0.4030$
Chromaticity Coordinates:
 $x=0.4355$ $y=0.3979$ $u'=-0.2523$ $v'=-0.5187$
Chromaticity Difference: -0.00227Duv
CCT: 2974 K

CRI TEST RESULTS - 3000K



Color Rendering Index (CRI): Ra=95.2
Dominant Wavelength: 582 nm(E)
Peak Wavelength: 630 nm
Colour Fidelity Index: Rf=91
Gamut Index: Rg=103
Color Purity: 0.5046
Color Ratio: Kr=43.5% Kg=48.6% Kb=7.9%
Bandwidth: 163.4 nm

R1=97	R2=97	R3=94	R4=95	R5=96	R6=95	R7=95	R8=92
R9=81	R10=90	R11=95	R12=86	R13=97	R14=95	R15=96	Re=94



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ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

	Symbol	Absolute Maximum Rating	Unit
Forward Current	If	450	mA
Peak Power	P	10.8	W
Operating Temperature	TOPR	-30~+100	°C
Storage Temperature	Tstg	-40~100	°C
Hand soldering condition	Tsld	3.5sec@350°C	sec
Case Temperature	Tc	100	°C
LED Junction Temperature	Tj	125	°C

MECHANICAL SPECIFICATIONS

Board Dimensions
305mm x 21mm

