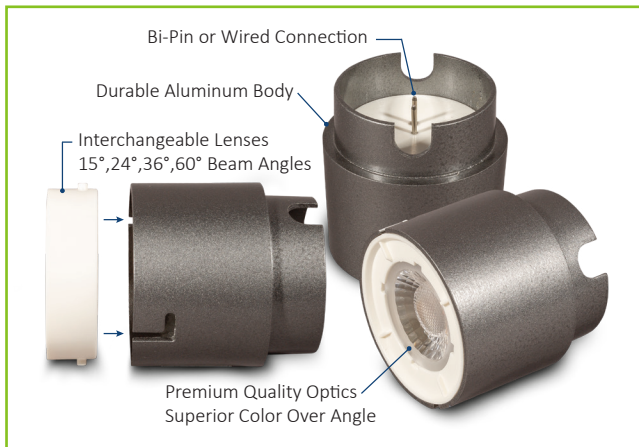




# Landscape Lighting Module with Interchangeable Lens

**L.T.F.**

**QLUXM Series 3W, 5W**



<b>Wattage</b>	3W, 5W
<b>Input Voltage</b>	12V AC
<b>CRI, R9</b>	97.4, 99
<b>CCT Options</b>	2700K, 3000K, Dim-to-Warm, Custom
<b>Lumens</b>	≈ 185 lm
<b>Efficacy</b>	62.2 lm/W
<b>Available Beam Angles</b>	15°, 24°, 36°, 60°
<b>Optional Dimming</b>	Magnetic Low Voltage
<b>Dimensions</b>	54mm OD x 54mm
<b>Available Finishes</b>	Silver, Brass, Copper

**RoHS**



## FEATURES

- Superior Color Rendering CRI 97.4, R9 99
- High efficacy lumen output 62.2 lm/W
- LM-80 compliant LEDs
- Tight Binning 3 Step Mac Adam Ellipses
- Uniform & crisp light source intensity
- Hot Spot Free Design
- Exceed ENERGY STAR lumen maintenance requirements
- 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 landscape lighting designs and fixtures.

### Outdoor Lighting

- Bullet Light
- Path Light
- Spot Light

## PART NUMBER KEY

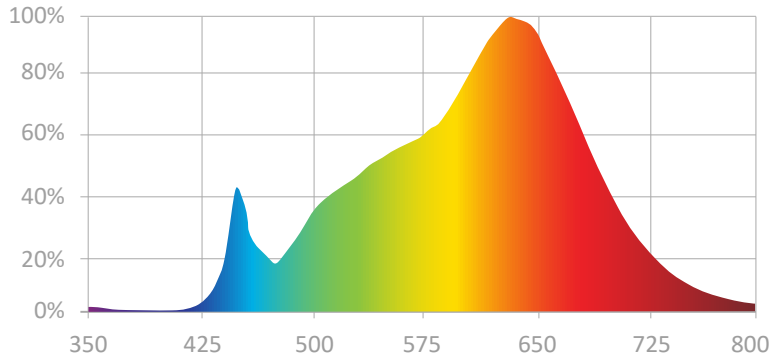
<b>QLUX</b>	<b>  M  </b>	<b>3W  </b>	<b>12V  </b>	<b>9  </b>	<b>27K  </b>	<b>36  </b>	<b>GN</b>
Quantum Lux Series	Module	Wattage	Voltage	CRI 90+	CCT 2700K	Beam Angle	Finish/Color

## ELECTRICAL SPECIFICATIONS

Model #	Wattage	Input Voltage	Input Current	CCT Options	Available Beam Angles
QLUXM3W12V927K	3W	12V AC	265mA	2700K, 3000K, Dim-to-Warm (3000K dims to 1800K), Custom CCT	15°, 24°, 36°, 60°
QLUXM5W12V927K	5W		417mA		



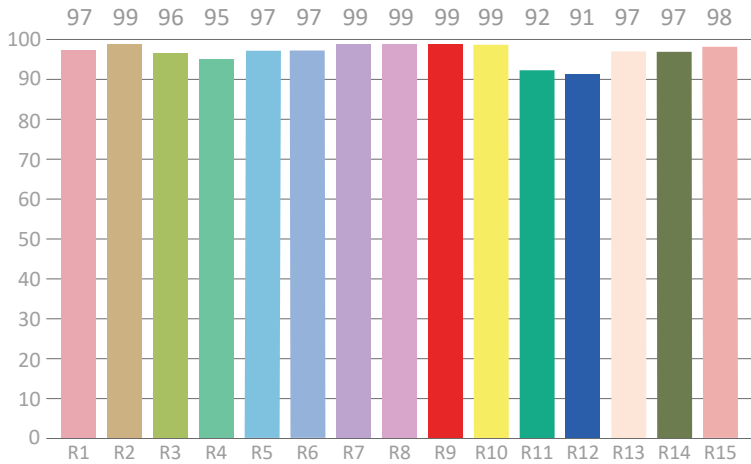
### SPECTRORADIOMETRIC CHARACTERISTICS - 2700K



**Luminous Flux:** 185.22 lm  
**Radiant Flux:** 0724 W  
**Efficacy:** 62.2 lm/W  
**Nominal CCT:** LED\_2700K  
 x0=0.4590 y0=0.4120  
**Chromaticity Coordinates:**  
 x=0.4524 y=0.4041 u'=0.2606 v'=0.5237  
**Chromaticity Difference:** -0.00176Duv  
**CCT:** 2756 K

\*Test Results Based on 3W Model

### CRI TEST RESULTS - 2700K



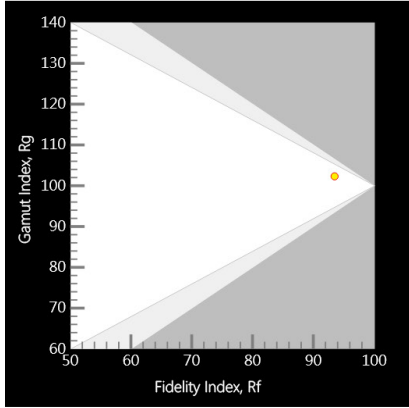
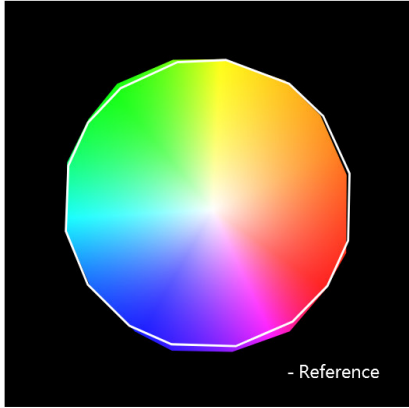
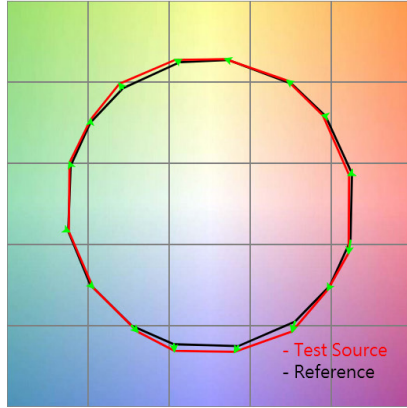
**Color Rendering Index (CRI):** Ra=97.4  
**Dominant Wavelength:** 583.0 nm(E)  
**Peak Wavelength:** 635 nm  
**Colour Fidelity Index:** Rf=95  
**Gamut Index:** Rg=103  
**Color Purity:** 0.5737  
**Color Ratio:** Kr=45.3% Kg=46.7% Kb=8.0%  
**Color Tolerance (SDCM):** 3.8  
**Bandwidth:** 149.5 nm

\*Test Results Based on 3W Model

R1=97	R2=99	R3=96	R4=95	R5=97	R6=97	R7=99	R8=99
R9=99	R10=99	R11=92	R12=91	R13=97	R14=97	R15=98	Re=97



TM-30 TEST RESULTS - 2700K



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

	Symbol	Absolute Maximum Rating	Unit
Forward Current	If	450mA	mA
Peak Power	P	5W	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

**Module Dimensions**  
54mm OD x 54mm

