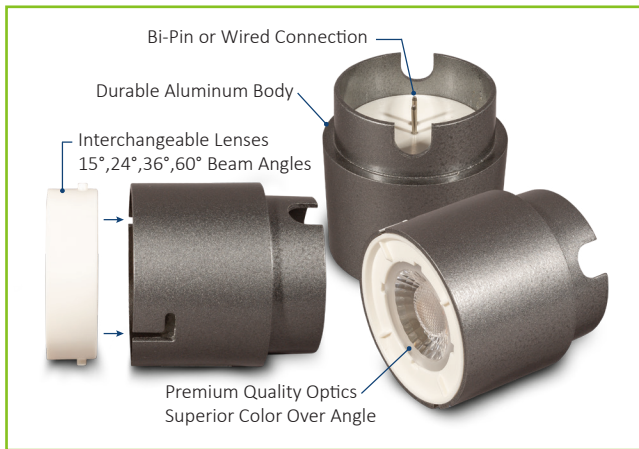




**L.T.F.**

# Landscape Lighting Module with Interchangeable Lens

**QLUXM Series 7W, 12W**



<b>Wattage</b>	7W, 12W
<b>Input Voltage</b>	12V AC
<b>CRI, R9</b>	97.9, 97
<b>CCT Options</b>	2700K, 3000K, Dim-to-Warm, Custom
<b>Lumens</b>	≈ 797 lm
<b>Efficacy</b>	70 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 97.9, R9 97
- High efficacy lumen output 70 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

**QLUX | M | 7W | 12V | 9 | 27K | 36 | GN**

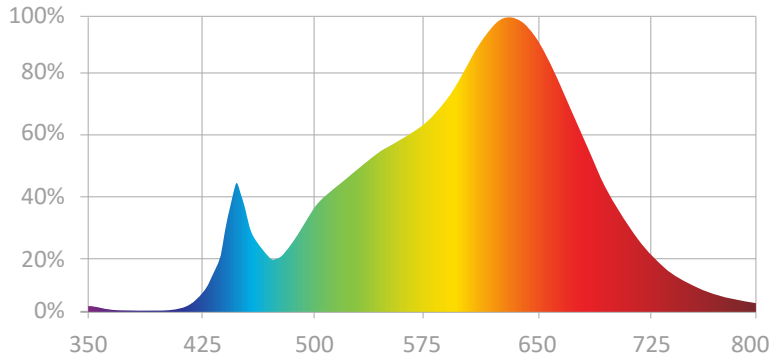
Quantum Lux Series | Wattage | CRI 90+ | Beam Angle  
 Module | Voltage | CCT 2700K | Finish/Color

## ELECTRICAL SPECIFICATIONS

Model #	Wattage	Input Voltage	Input Current	CCT Options	Available Beam Angles
QLUXM7W12V927K	7W	12V AC	583mA	2700K, 3000K, Dim-to-Warm (3000K dims to 1800K), Custom CCT	15°, 24°, 36°, 60°
QLUXM12W12V927K	12W		1000mA		



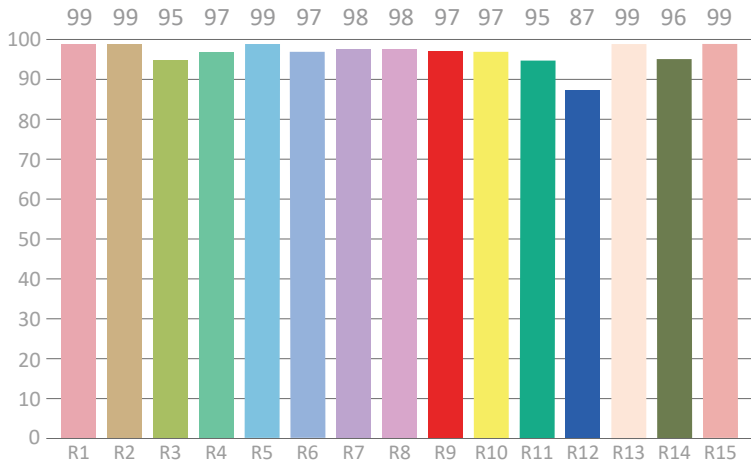
### SPECTRORADIOMETRIC CHARACTERISTICS - 3000K



**Luminous Flux:** 796.96 lm  
**Radiant Flux:** 2.96 W  
**Efficacy:** 70 lm/W  
**Nominal CCT:** LED\_3000K  
 x0=0.4338 y0=0.4030  
**Chromaticity Coordinates:**  
 x=0.4241 y=0.3933 u'=0.2469 v'=0.5151  
**Chromaticity Difference:** -0.00284Duv  
**CCT:** 3139 K

\*Test Results Based on 12W Model

### CRI TEST RESULTS - 3000K



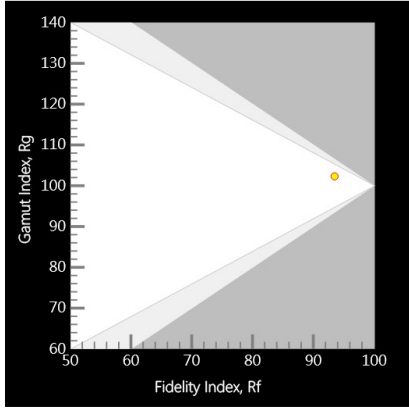
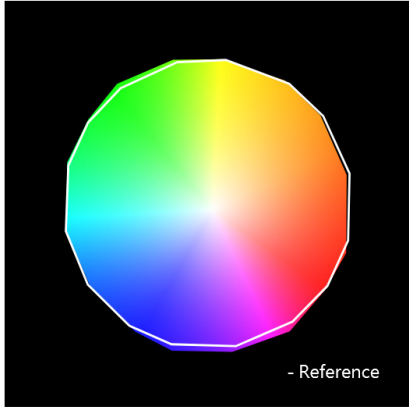
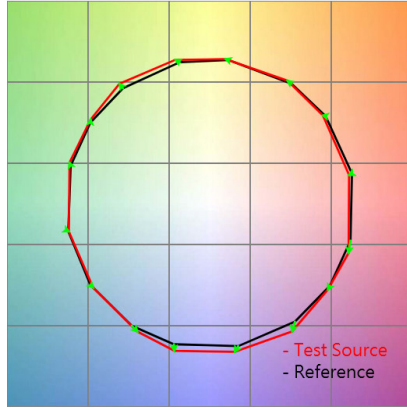
**Color Rendering Index (CRI):** Ra=97.9  
**Dominant Wavelength:** 582.0 nm(E)  
**Peak Wavelength:** 635 nm  
**Colour Fidelity Index:** Rf=94  
**Gamut Index:** Rg=103  
**Color Purity:** 0.4542  
**Color Ratio:** Kr=42.2% Kg=48.9% Kb=9.0%  
**Bandwidth:** 177.4 nm

\*Test Results Based on 12W Model

R1=99	R2=99	R3=95	R4=97	R5=99	R6=97	R7=98	R8=99
R9=97	R10=97	R11=95	R12=87	R13=99	R14=96	R15=99	Re=97



TM-30 TEST RESULTS - 3000K



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

	Symbol	Absolute Maximum Rating	Unit
Forward Current	If	1000mA	mA
Peak Power	P	12W	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

