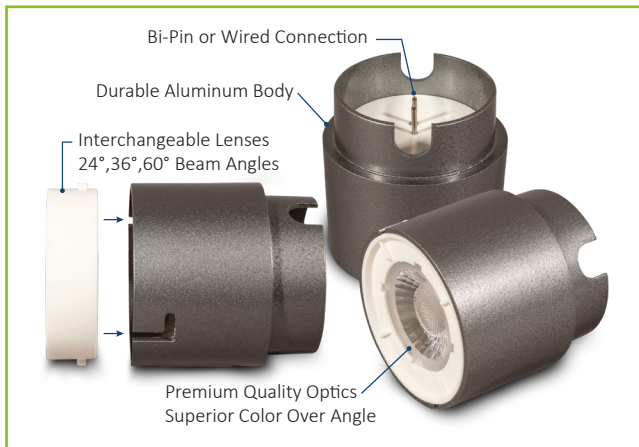




L.T.F.

Landscape Lighting Module with Interchangeable Lens

QLUXM Series 7W, 12W



Wattage	7W, 12W
Input Voltage	12V AC
CRI, R9	97.9, 97
CCT Options	2700K, 3000K, Dim-to-Warm, Custom
Lumens	≈ 797 lm
Efficacy	70 lm/W
Available Beam Angles	24°, 36°, 60°
Optional Dimming	Magnetic Low Voltage
Dimensions	54mm OD x 54mm
Available Finishes	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

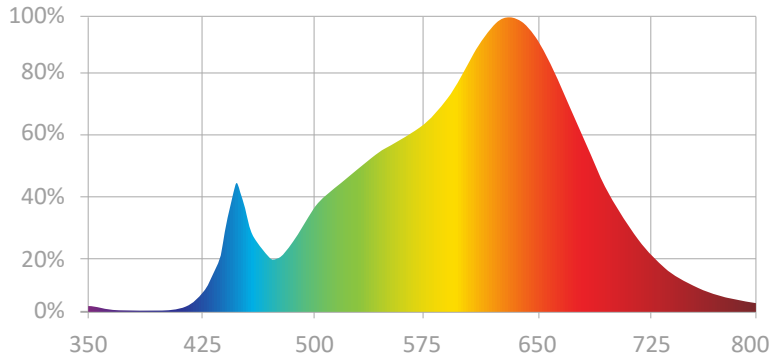
QLUX	 M 	7W 	12V 	9 	27K 	36 	GN
Quantum Lux Series	Module	Wattage	Voltage	CRI 90+	CCT 2700K	Beam Angle	Finish/Color

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	24°, 36°, 60°
QLUXM12W12V927K	12W		1000mA		



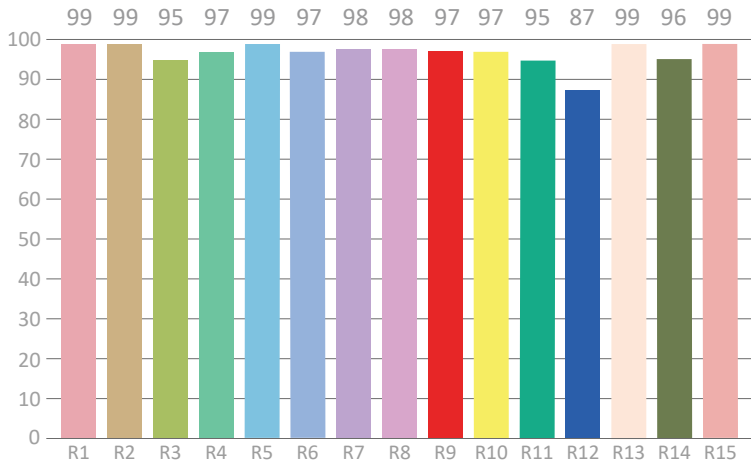
SPECTRORADIOMETRIC CHARACTERISTICS - 3000K



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



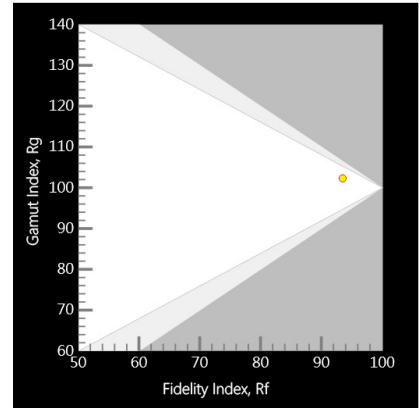
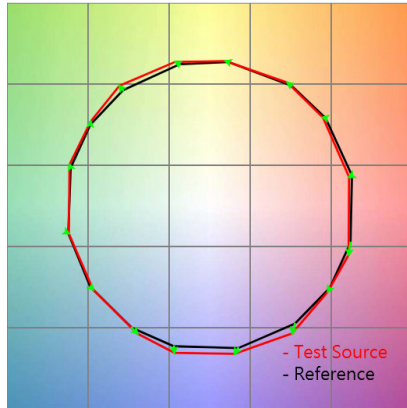
Color Rendering Index (CRI): Ra=97.9
Dominant Wavelength: 582.0 nm(E)
Peak Wavelength: 635 nm
Colour Fidelity Index: Rf=94
Gamut Index: Rg=103
Color Purity: 0.4542
Color Ratio: Kr=42.2% Kg=48.9% Kb=9.0%
Bandwidth: 177.4 nm

*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

