



L.T.F.

SunLight2 Architectural Grade LED Bulb Series



**120V AC PAR20 10W LED Bulbs
High CRI & R9, Dim to Warm 3000K - 1800K**



SunLight2



Not rated for enclosed fixtures

CCT (Dim to Warm)	3000K to 1800K
Max. Tc	90° C
Ambient Temp.	-30°C to 35°C
Power Factor	0.95
CRI, R9	98, 97
Lumens	634 lm
Flicker Index	0.01
Percent Flicker	< 1%
Dimming	Phase Dimmable
InRush Cycle to Cycle	< 1 Amp



RoHS



FEATURES

- Superior Color Rendering CRI 98, R9 97
- Dim to Warm; 3000K CCT dims to 1800K
- Low blue emission for circadian health
- Zero ultraviolet emission, won't fade colors
- Beam angles 24° or 36°
- Title 24 Compliant, low flicker < 1%
- 30,000 hours rating
- 3 years / 25k hours warranty

APPLICATIONS

- Color-critical task lighting
- Residential & hospitality lighting
- Museum and gallery lighting
- Color-critical retail displays (e.g, apparel, groceries, hard goods & toys)
- Track lighting, new & retrofit
- Desk lamps
- Indoor and Outdoor

ELECTRICAL SPECIFICATIONS

Model Number	Wattage	Input Voltage	CCT (Dim to Warm)	Beam Angle	Lumens	Case Finishes
PAR20A10W3018KWD15	10W	120V AC	3000K Dims to 1800K	15°	634lm	Silver, Black, White, Custom
PAR20A10W3018KWD24				24°	634lm	
PAR20A10W3018KWD36				36°	634lm	



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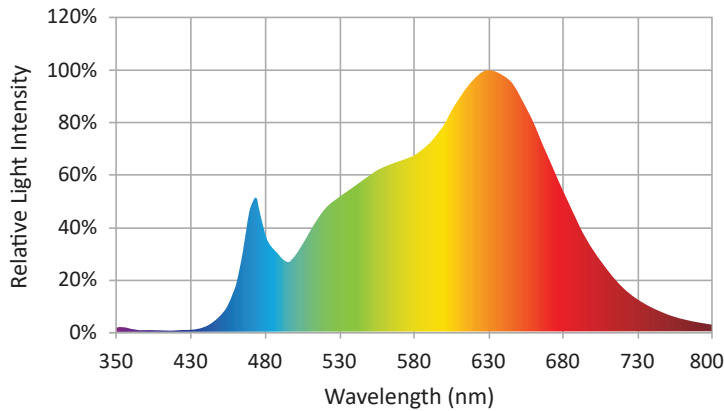
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SPECTRORADIOMETRIC CHARACTERISTICS

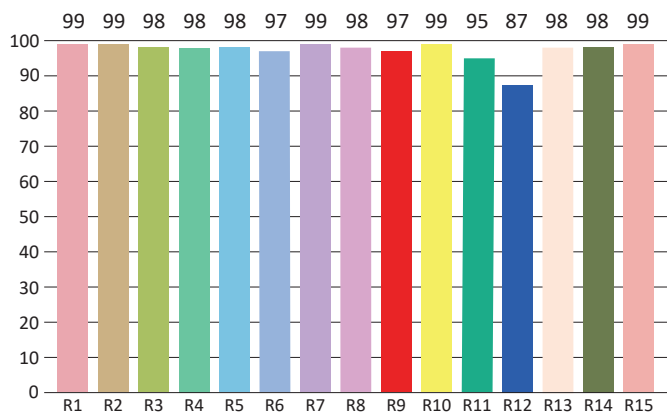
CCT 3000K (Full Power, No Dimming)



Luminous Flux: 634.38 lm
Radiant Flux: 2300mW
Efficacy: 66.9 lm/W
Nominal CCT: LED_3000K
 $x_0=0.4338$ $y_0=0.4030$
Chromaticity Coordinates:
 $x=0.4297$ $y=0.4005$ $u'=-0.2474$ $v'=-0.5189$
Chromaticity Difference: -0.0004Duv
CCT: 3097 K

CRI TEST RESULTS

CCT 3000K (Full Power, No Dimming)



Color Rendering Index (CRI): Ra = 98
Dominant Wavelength: 581.0 nm
Peak Wavelength: 635 nm
Colour Fidelity Index: Rf=94
Gamut Index: Rg=100
Color Purity: 0.4937
Color Ratio: Kr=42.5% Kg=48.3% Kb=9.2%
Bandwidth: 180.1 nm

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



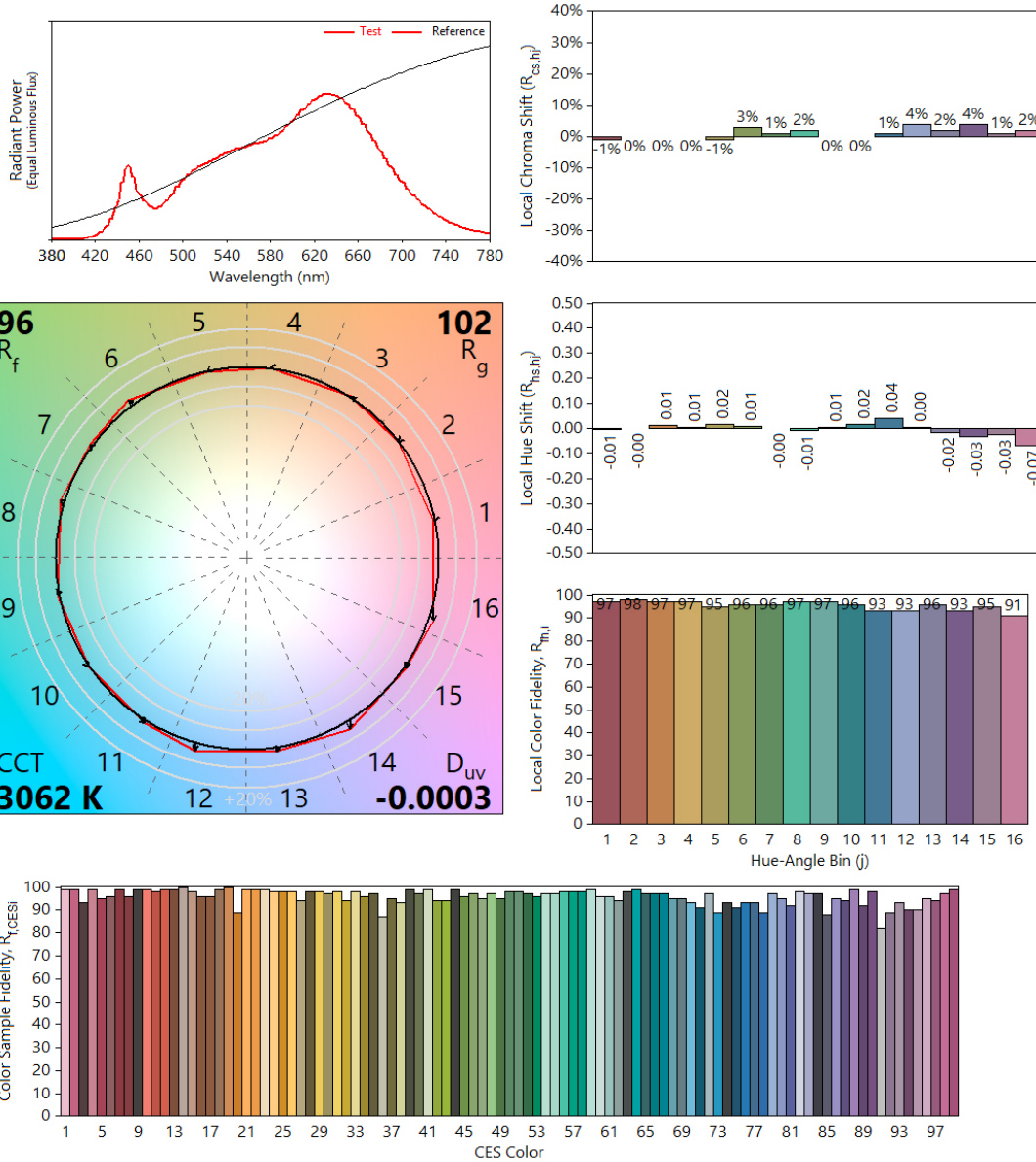
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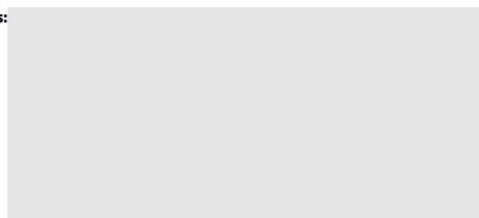
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IES TM-30-18 Report



Notes:



x 0.4322
y 0.4017
u' 0.2486
v' 0.5197

CIE 13.3-1995
(CRI)
 R_a 98
 R_g 93

Colors are for visual orientation purposes only.



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MECHANICAL SPECS

