

Lightsource Test Report

Product Information

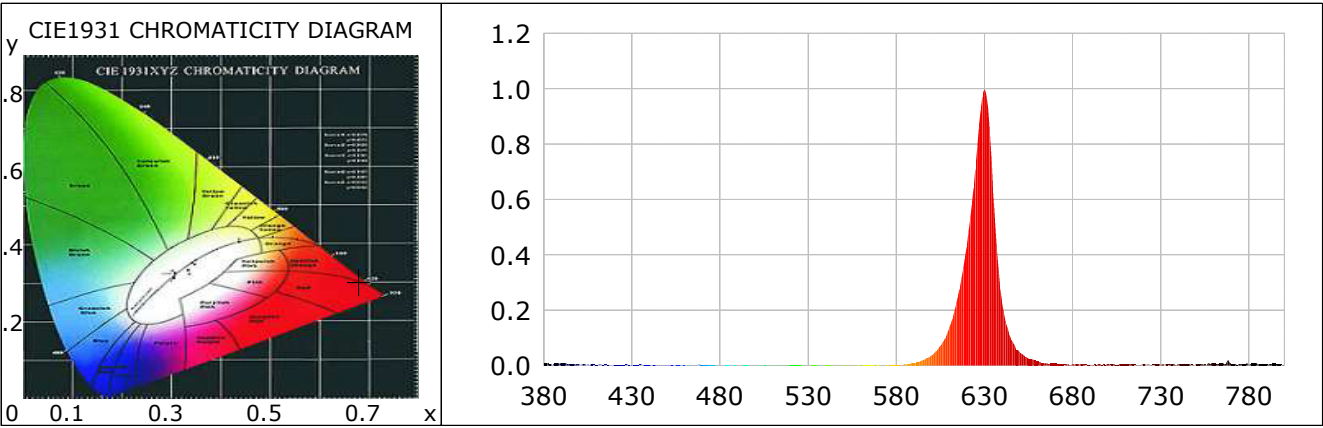
Product Category: KL-WL100S-12W-RGBW-WH
Manufacturer:

Product Number: RED

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.6804$ $y=0.3048$ $u(u')=0.5139$ $v=0.3453$ $v'=0.5179$
CCT: $T_c=1000K$ ($duv=-0.06639$) Color Ratio: $R=0.940$ $G=0.057$ $B=0.003$
Peak Wavelength: 630nm Half Bandwidth: 14.9nm
Dominant Wavelength: 622.5nm Color Purity: 0.956
Color Render Index: $R_a=39.5$, $CRI=41.0$

R1 =34	R2 =91	R3 =43	R4 =19	R5 =42	R6 =77	R7 =10	R8 =0
R9 =0	R10=93	R11=47	R12=36	R13=55	R14=70	R15=0	



Photometric Parameters

Luminous Flux: 92.53 lm Efficiency: 32.13 lm/W Radiant Power: 0.410 W

Electric Parameters

Voltage: 24.00V Current: 0.1200A Power: 2.88W
Power Factor: 0.0000 Frequency: 0.00Hz

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 2.00m, 4π
Max of Signal: 42560 (5206) CCD Integration Time: 1238.75 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2025-08-14 14:45:27
Inspector:

Lightsource Test Report

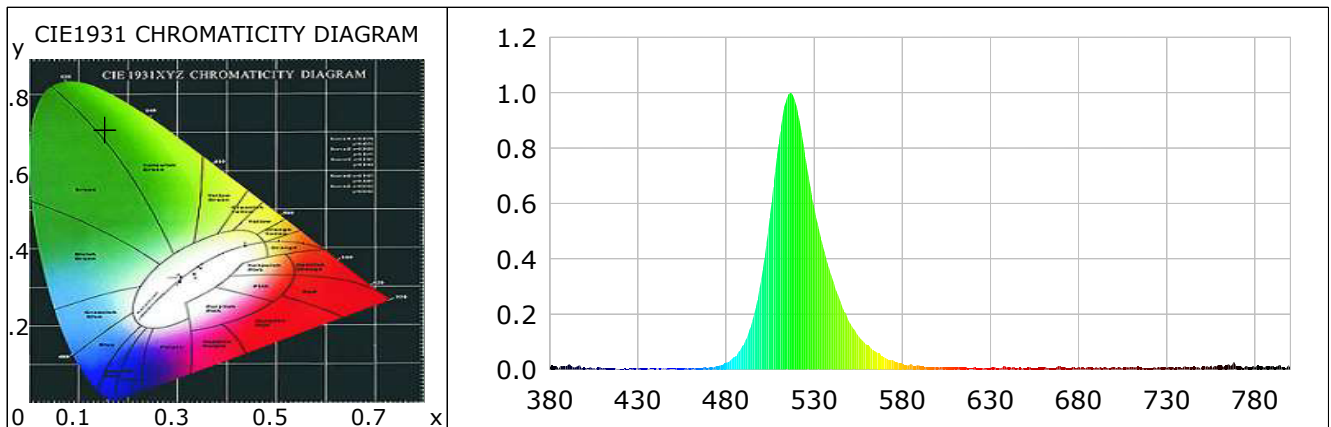
Product Information

Product Category: KL-WL100S-12W-RGBW-WH
Manufacturer:

Product Number: GREEN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1531$ $y=0.7155$ $u(u')=0.0543$ $v=0.3806$ $v'=0.5709$
CCT: $T_c=8162K$ ($duv=0.16111$) Color Ratio: $R=0.007$ $G=0.969$ $B=0.024$
Peak Wavelength: 517nm Half Bandwidth: 29.1nm
Dominant Wavelength: 523.1nm Color Purity: 0.767
Color Render Index: $R_a=0.0$, $CRI=2.4$
 $R1=0$ $R2=0$ $R3=0$ $R4=0$ $R5=0$ $R6=0$ $R7=0$ $R8=0$
 $R9=0$ $R10=0$ $R11=0$ $R12=0$ $R13=0$ $R14=36$ $R15=0$



Photometric Parameters

Luminous Flux: 163.50 lm Efficiency: 57.17 lm/W Radiant Power: 0.352 W

Electric Parameters

Voltage: 24.00V Current: 0.1190A Power: 2.86W
Power Factor: 0.0000 Frequency: 0.00Hz

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 2.00m, 4 π
Max of Signal: 42954 (5303) CCD Integration Time: 1875.20 ms

Condition: $T_x:0.0^{\circ}C$, $T_i:0.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2025-08-14 14:47:47
Inspector:

Lightsource Test Report

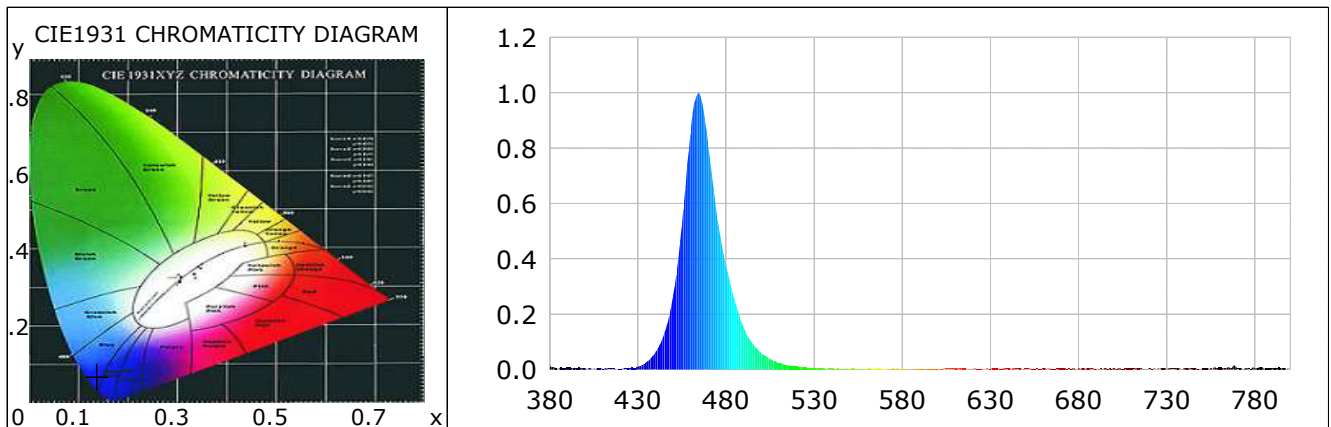
Product Information

Product Category: KL-WL100S-12W-RGBW-WH
Manufacturer:

Product Number: BLUE

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1369$ $y=0.0671$ $u(u')=0.1551$ $v=0.1140$ $v'=0.1710$
CCT: $T_c=100000K$ ($duv=-0.15407$) Color Ratio: $R=0.026$ $G=0.192$ $B=0.782$
Peak Wavelength: 464nm Half Bandwidth: 21.7nm
Dominant Wavelength: 476.9nm Color Purity: 0.951
Color Render Index: $R_a= 5.9$, $CRI= 4.9$
 $R1 =20$ $R2 =0$ $R3 =0$ $R4 =0$ $R5 =27$ $R6 =0$ $R7 =0$ $R8 =0$
 $R9 =0$ $R10=0$ $R11=0$ $R12=0$ $R13=0$ $R14=0$ $R15=27$



Photometric Parameters

Luminous Flux: 31.53 lm Efficiency: 10.95 lm/W Radiant Power: 0.666 W

Electric Parameters

Voltage: 24.00V Current: 0.1200A Power: 2.88W
Power Factor: 0.0000 Frequency: 0.00Hz

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 2.00m, 4 π
Max of Signal: 47111 (5142) CCD Integration Time: 1052.93 ms

Condition: $T_x:0.0^{\circ}C$, $T_i:0.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2025-08-14 14:46:45
Inspector:

Lightsource Test Report

Product Information

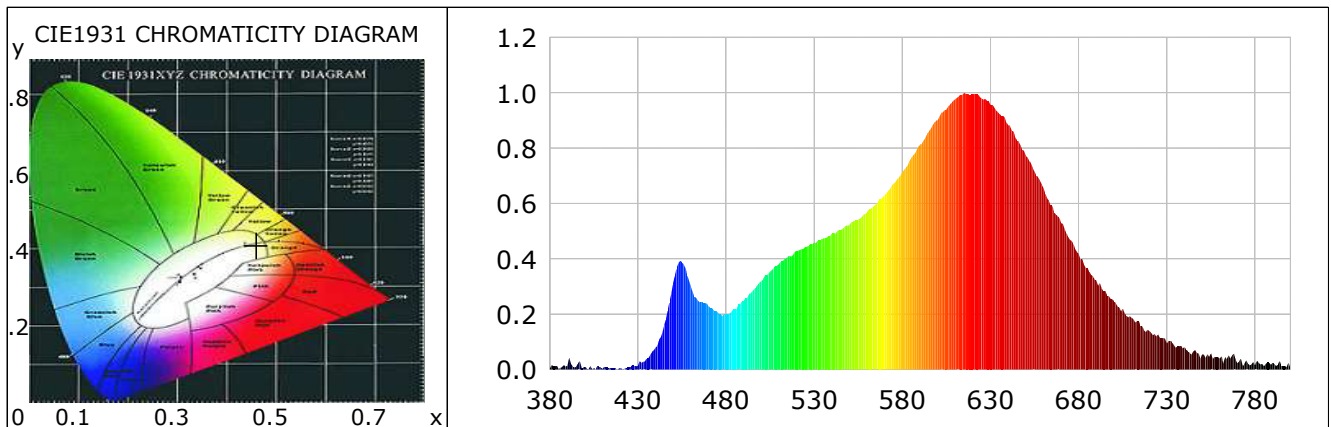
Product Category: KL-WL100S-12W-RGBW-WH
Manufacturer:

Product Number: 2700K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4602$ $y=0.4113$ $u(u')=0.2624$ $v=0.3518$ $v'=0.5277$
CCT: $T_c=2779K$ ($duv=0.00024$) Color Ratio: $R=0.267$ $G=0.706$ $B=0.027$
Peak Wavelength: 615nm Half Bandwidth: 129.5nm
Dominant Wavelength: 584.1nm Color Purity: 0.616
Color Render Index: $R_a=92.3$, $CRI=90.0$

R1 =94	R2 =99	R3 =97	R4 =94	R5 =95	R6 =96	R7 =88	R8 =77
R9 =51	R10=96	R11=97	R12=86	R13=95	R14=99	R15=87	



Photometric Parameters

Luminous Flux: 170.08 lm Efficiency: 58.05 lm/W Radiant Power: 0.706 W

Electric Parameters

Voltage: 24.00V Current: 0.1220A Power: 2.93W
Power Factor: 0.0000 Frequency: 0.00Hz

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 2.00m, 4 π
Max of Signal: 42078 (5818) CCD Integration Time: 3848.69 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2025-08-14 14:48:41
Inspector: