Lightsource Test Report

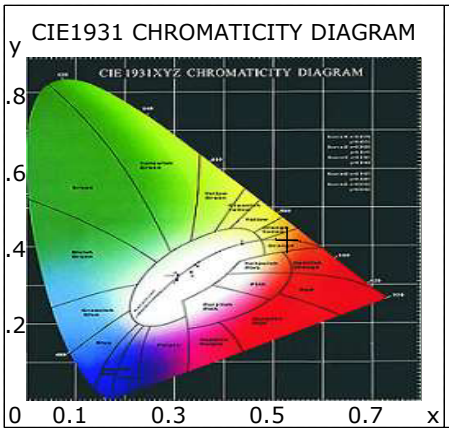
Product Information

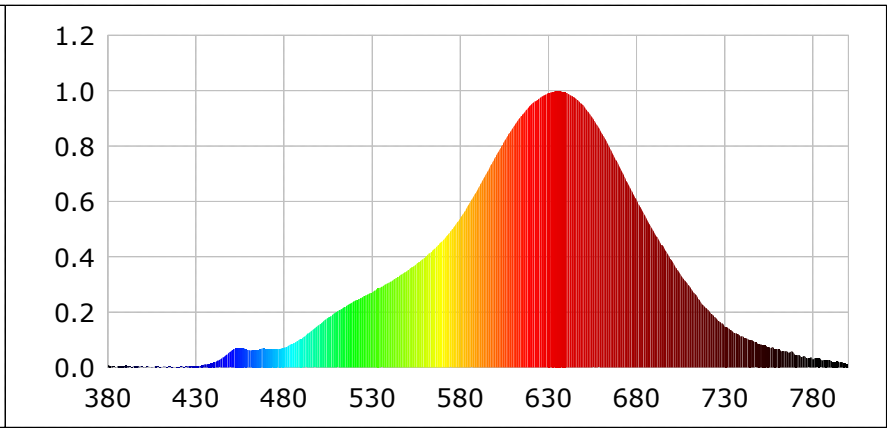
Product Category: KL-RD-D110-20W-WH Product Number: 2000K
Manufacturer:

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.5292 y=0.4215 u(u')=0.3024 v=0.3613 v'=0.5420
CCT: Tc=2101K (duv=0.00247) Color Ratio: R=0.341 G=0.646 B=0.013
Peak Wavelength: 636nm Half Bandwidth: 113.6nm
Dominant Wavelength: 587.9nm Color Purity: 0.854
Color Render Index: Ra= 93.3, CRI= 91.4

R1 =94	R2 =97	R3 =99	R4 =95	R5 =95	R6 =98	R7 =90	R8 =79
R9 =58	R10=94	R11=98	R12=95	R13=95	R14=98	R15=87	





Photometric Parameters

Luminous Flux: 827.12 lm Efficiency: 82.63 lm/W Radiant Power: 3.621 W

Electric Parameters

Voltage: 24.00V Current: 0.4170A Power: 10.01W
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∏
Max of Signal: 44383 (5472) CCD Integration Time: 765.56 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60% Test Device: Inventfine CMS-2
Test Lab: Test Time: 2026-06-19 11:44:26
Operator: Inspector:

Lightsource Test Report

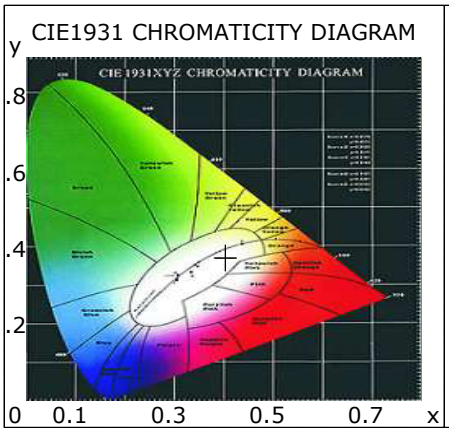
Product Information

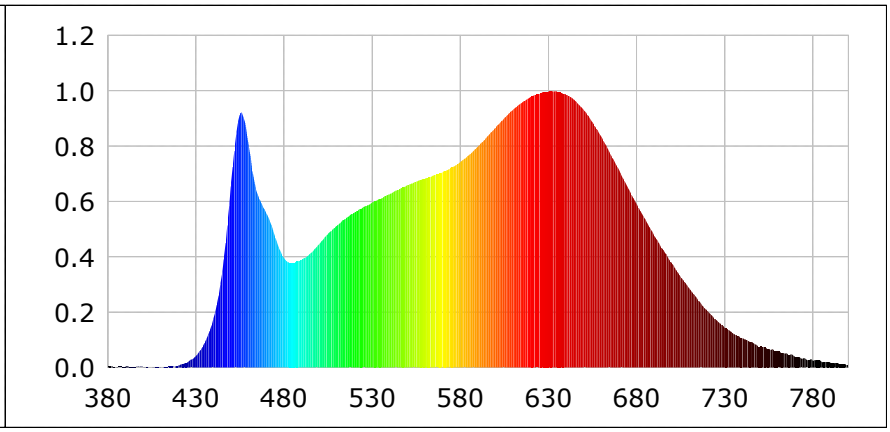
Product Category:KL-RD-D110-20W-WH Product Number: 4000K
Manufacturer:

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4033 y=0.3742 u(u')=0.2414 v=0.3359 v'=0.5039
CCT: Tc=3866K (duv=-0.00670) Color Ratio: R=0.237 G=0.720 B=0.043
Peak Wavelength: 631nm Half Bandwidth: 180.3nm
Dominant Wavelength: 584.8nm Color Purity: 0.334
Color Render Index: Ra= 95.1, CRI= 94.1

R1 =95	R2 =95	R3 =97	R4 =98	R5 =95	R6 =91	R7 =94	R8 =96
R9 =97	R10=91	R11=97	R12=78	R13=94	R14=99	R15=95	





Photometric Parameters

Luminous Flux: 1956.67 lm Efficiency: 97.59 lm/W Radiant Power: 7.103 W

Electric Parameters

Voltage: 24.00V Current: 0.8354A Power: 20.05W
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∏
Max of Signal: 44347 (5213) CCD Integration Time: 503.09 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60% Test Device: Inventfine CMS-2
Test Lab: Test Time: 2025-06-19 11:45:03
Operator: Inspector:

Lightsource Test Report

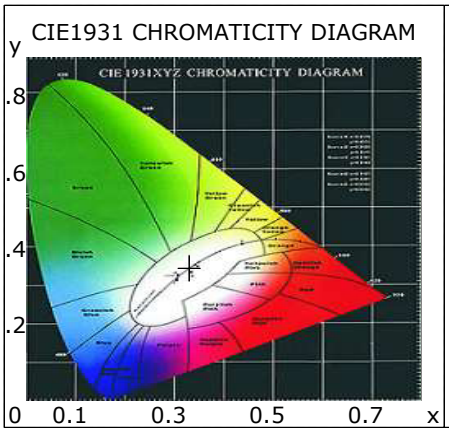
Product Information

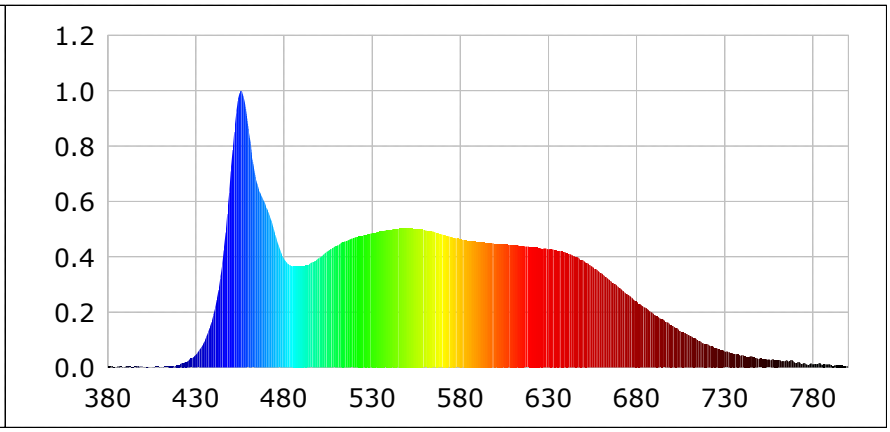
Product Category:KL-RD-D110-20W-WH Product Number: 6000K
Manufacturer:

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3301 y=0.3472 u(u')=0.2030 v=0.3202 v'=0.4803
CCT: Tc=5911K (duv=0.00421) Color Ratio: R=0.161 G=0.775 B=0.064
Peak Wavelength: 456nm Half Bandwidth: 27.2nm
Dominant Wavelength: 541.2nm Color Purity: 0.034
Color Render Index: Ra= 92.8, CRI= 90.9

R1 =95	R2 =97	R3 =92	R4 =90	R5 =91	R6 =91	R7 =94	R8 =93
R9 =94	R10=89	R11=93	R12=58	R13=98	R14=95	R15=93	





Photometric Parameters

Luminous Flux: 1072.67 lm Efficiency: 107.16 lm/W Radiant Power: 4.112 W

Electric Parameters

Voltage: 24.00V Current: 0.4175A Power: 10.02W
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∏
Max of Signal: 43027 (5256) CCD Integration Time: 503.09 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60% Test Device: Inventfine CMS-2
Test Lab: Test Time: 2025-06-19 11:46:51
Operator: Inspector: