

Lightsource Test Report

Product Information

Product Spec: KL-LP120S-6W-WH

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5335$ $y=0.4163$ $u(u')=0.3080$ $v=0.3605$ $v'=0.5407$

CCT: $T_c=1971K$ ($duv=0.00119$)

Color Ratio: $R=0.353$ $G=0.633$ $B=0.014$

Peak Wavelength: 631nm

Half Bandwidth: 109.9nm

Dominant Wavelength: 588.9nm

Color Purity: 0.851

Color Render Index: $R_a=92.3$, $CRI=90.2$

$R1=93$

$R2=98$

$R3=97$

$R4=94$

$R5=95$

$R6=95$

$R7=87$

$R8=76$

$R9=54$

$R10=96$

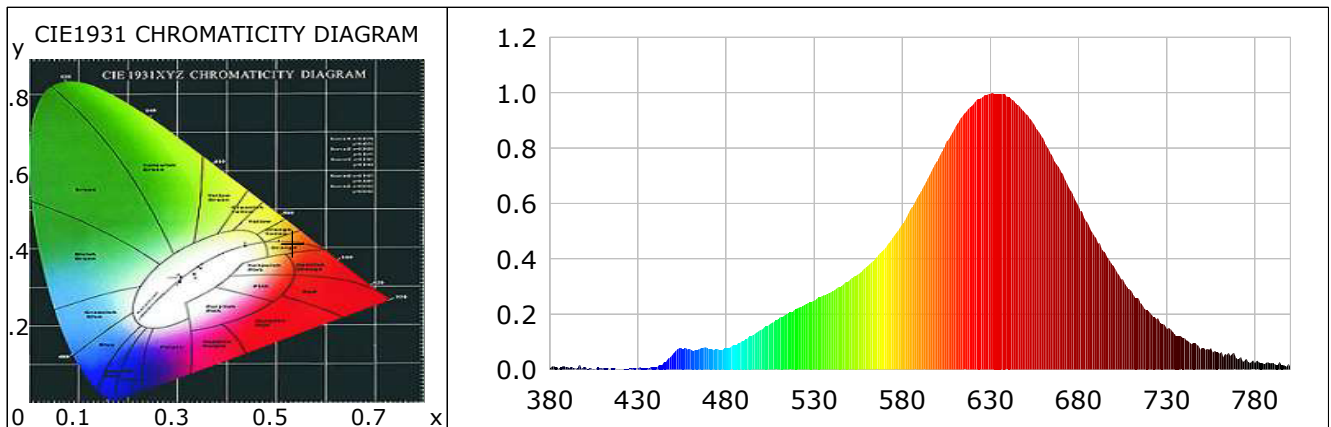
$R11=98$

$R12=93$

$R13=95$

$R14=99$

$R15=86$



Photometric Parameters

Luminous Flux: 207.03 lm

Efficiency: 67.66 lm/W

Radiant Power: 0.783 W

Electric Parameters

Voltage: 24.00V

Current: 0.1275A

Power: 3.06W

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: 44079 (5350)

CCD Integration Time: 3673.93 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: 2025-08-18 11:32:54

Inspector:

Lightsource Test Report

Product Information

Product Spec: KL-LP120S-6W-WH

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4045$ $y=0.3679$ $u(u')=0.2450$ $v=0.3342$ $v'=0.5013$

CCT: $T_c=3499K$ ($duv=-0.01015$)

Color Ratio: $R=0.245$ $G=0.712$ $B=0.043$

Peak Wavelength: 629nm

Half Bandwidth: 173.4nm

Dominant Wavelength: 587.0nm

Color Purity: 0.318

Color Render Index: $R_a=94.1$, $CRI=92.3$

$R1=93$

$R2=93$

$R3=96$

$R4=97$

$R5=93$

$R6=88$

$R7=93$

$R8=97$

$R9=96$

$R10=87$

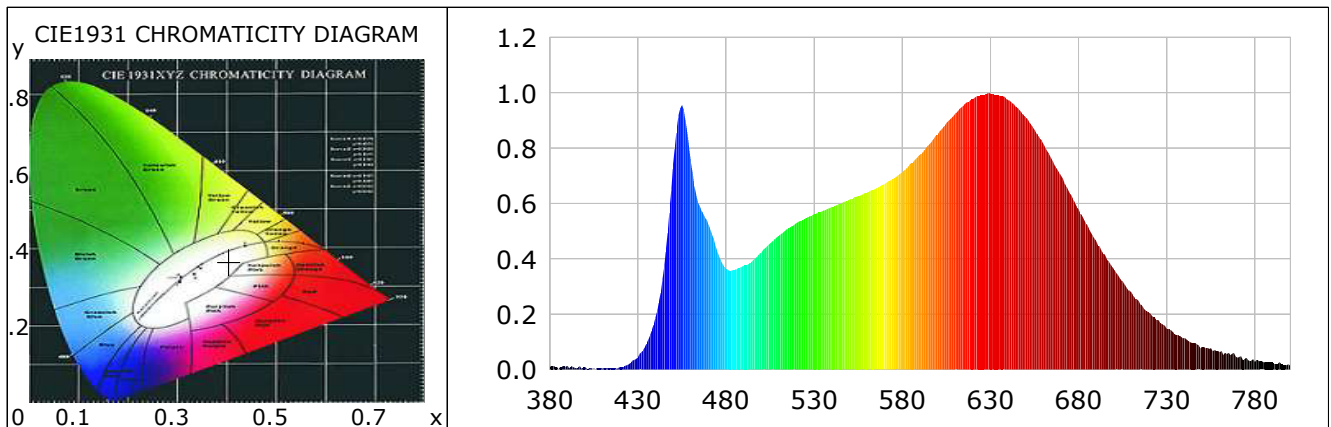
$R11=94$

$R12=77$

$R13=92$

$R14=99$

$R15=93$



Photometric Parameters

Luminous Flux: 450.13 lm

Efficiency: 74.28 lm/W

Radiant Power: 1.659 W

Electric Parameters

Voltage: 24.00V

Current: 0.2460A

Power: 6.06W

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: 42450 (5460)

CCD Integration Time: 2308.13 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: 2025-08-18 11:39:18

Inspector:

Lightsource Test Report

Product Information

Product Spec: KL-LP120S-6W-WH

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3279$ $y=0.3415$ $u(u')=0.2036$ $v=0.3181$ $v'=0.4771$

CCT: $T_c=5699K$ ($duv=0.00231$)

Color Ratio: $R=0.163$ $G=0.773$ $B=0.064$

Peak Wavelength: 454nm

Half Bandwidth: 24.2nm

Dominant Wavelength: 513.2nm

Color Purity: 0.018

Color Render Index: $R_a=93.2$, $CRI=91.2$

$R1=95$ $R2=97$ $R3=90$ $R4=92$

$R5=92$

$R6=90$

$R7=95$

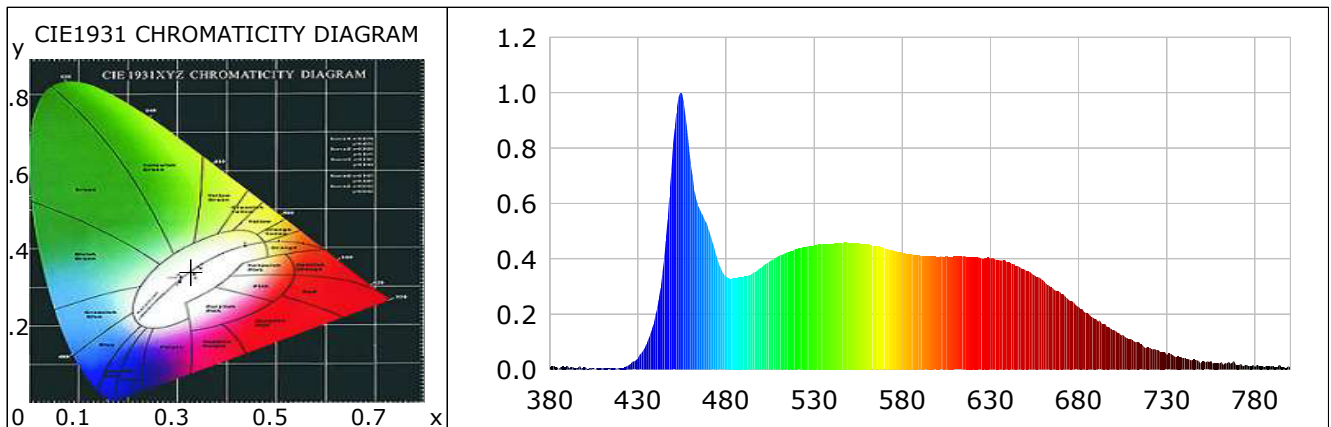
$R8=93$

$R9=92$ $R10=90$ $R11=95$ $R12=59$

$R13=98$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 261.62 lm

Efficiency: 86.92 lm/W

Radiant Power: 0.921 W

Electric Parameters

Voltage: 24.00V

Current: 0.1254A

Power: 3.01W

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 π

Max of Signal: 45356 (5175)

CCD Integration Time: 2649.15 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: 2025-08-18 11:34:41

Inspector: