

Lightsource Test Report

Product Information

Product Spec: KL-PS-LEG-12W-WH

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5331$ $y=0.4191$ $u(u')=0.3062$ $v=0.3612$ $v'=0.5417$

CCT: $T_c=2055K$ ($duv=0.00203$)

Color Ratio: $R=0.354$ $G=0.634$ $B=0.013$

Peak Wavelength: 646nm

Half Bandwidth: 114.6nm

Dominant Wavelength: 588.5nm

Color Purity: 0.858

Color Render Index: $R_a=97.0$, $CRI=95.9$

$R1=99$

$R2=99$

$R3=96$

$R4=96$

$R5=98$

$R6=96$

$R7=96$

$R8=94$

$R9=86$

$R10=98$

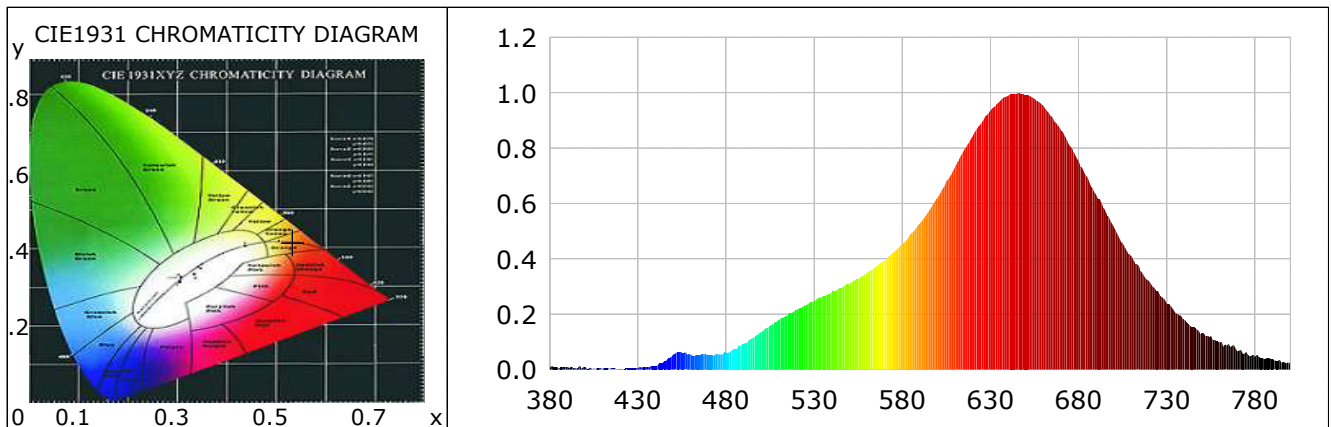
$R11=91$

$R12=95$

$R13=99$

$R14=96$

$R15=96$



Photometric Parameters

Luminous Flux: 417.64 lm

Efficiency: 68.02 lm/W

Radiant Power: 1.772 W

Electric Parameters

Voltage: 24.00V

Current: 0.2560A

Power: 6.14W

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: 43240 (6432)

CCD Integration Time: 2785.67 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: 2025-06-29 18:17:09

Inspector:

Lightsource Test Report

Product Information

Product Number: KL-PS-LEG-12W-WH

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3948$ $y=0.3668$ $u(u')=0.2388$ $v=0.3328$ $v'=0.4993$

CCT: $T_c=3992K$ ($duv=-0.00854$)

Color Ratio: $R=0.237$ $G=0.717$ $B=0.046$

Peak Wavelength: 646nm

Half Bandwidth: 196.4nm

Dominant Wavelength: 585.6nm

Color Purity: 0.286

Color Render Index: $R_a=91.7$, $CRI=88.2$

$R1=89$

$R2=92$

$R3=98$

$R4=92$

$R5=89$

$R6=90$

$R7=97$

$R8=86$

$R9=64$

$R10=85$

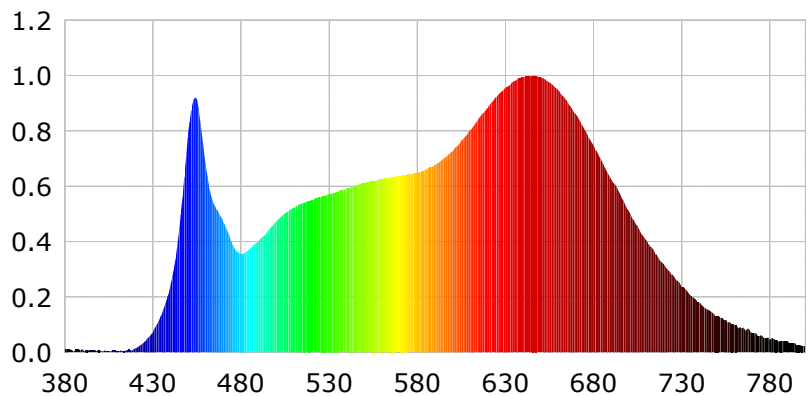
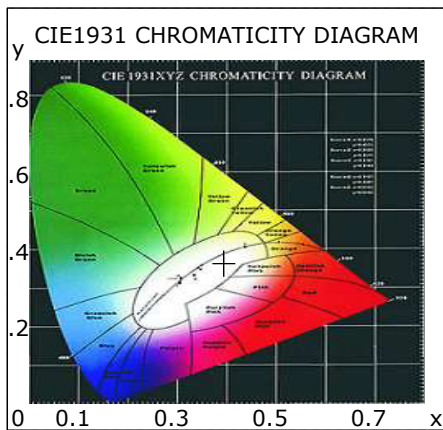
$R11=88$

$R12=80$

$R13=89$

$R14=98$

$R15=85$



Photometric Parameters

Luminous Flux: 1018.61 lm

Efficiency: 83.22 lm/W

Radiant Power: 4.020 W

Electric Parameters

Voltage: 24.00V

Current: 0.5100A

Power: 12.24W

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, 4T

Max of Signal: 44554 (6236)

CCD Integration Time: 1765.17 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: 2025-06-29 18:18:19

Inspector:

Lightsource Test Report

Product Information

Product Number: KL-PS-LEG-12W-WH

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3237$ $y=0.3397$ $u(u')=0.2013$ $v=0.3170$ $v'=0.4756$

CCT: $T_c=6089K$ ($duv=0.00328$)

Color Ratio: $R=0.163$ $G=0.770$ $B=0.067$

Peak Wavelength: 454nm

Half Bandwidth: 24.6nm

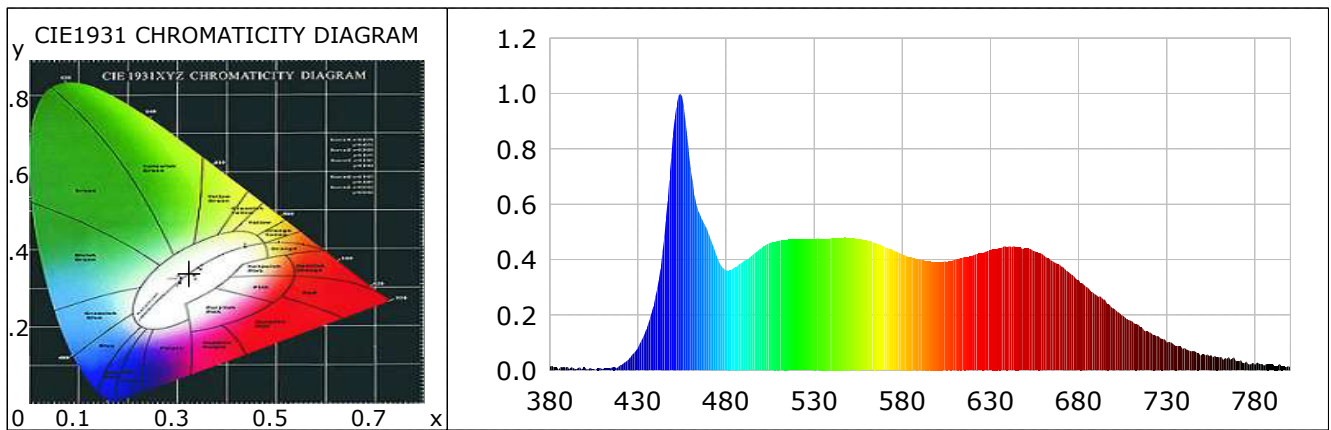
Dominant Wavelength: 500.5nm

Color Purity: 0.030

Color Render Index: $R_a=92.4$, $CRI=89.4$

$R1=94$ $R2=99$ $R3=90$ $R4=92$ $R5=93$ $R6=93$ $R7=93$ $R8=86$

$R9=69$ $R10=94$ $R11=94$ $R12=64$ $R13=97$ $R14=94$ $R15=90$



Photometric Parameters

Luminous Flux: 572.01 lm

Efficiency: 93.01 lm/W

Radiant Power: 2.310 W

Electric Parameters

Voltage: 24.00V

Current: 0.2562A

Power: 6.15W

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, 4T

Max of Signal: 40283 (6348)

CCD Integration Time: 1765.17 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: 2025-06-29 18:19:02

Inspector: