

Lightsource Test Report

Product Information

Product Type: KL-WL175S-12W-BK

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5222$ $y=0.4171$ $u(u')=0.3001$ $v=0.3595$ $v'=0.5393$

CCT: $T_c=2062K$ ($duv=0.00093$)

Color Ratio: $R=0.346$ $G=0.635$ $B=0.019$

Peak Wavelength: 638nm

Half Bandwidth: 111.6nm

Dominant Wavelength: 588.1nm

Color Purity: 0.819

Color Render Index: $R_a=95.1$, $CRI=94.2$

$R1=97$

$R2=96$

$R3=98$

$R4=94$

$R5=95$

$R6=90$

$R7=93$

$R8=93$

$R9=88$

$R10=94$

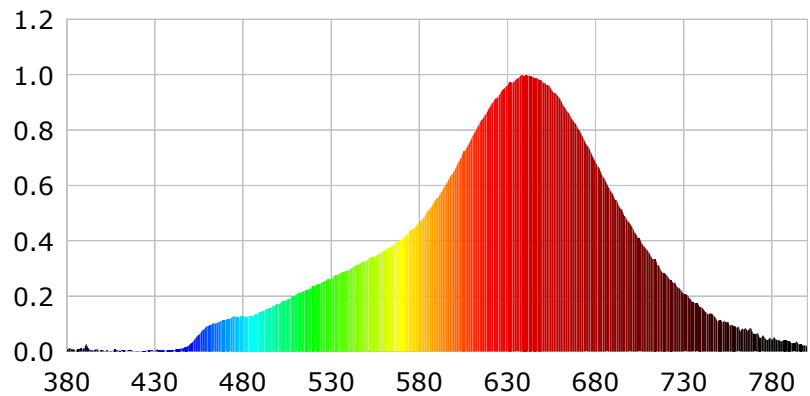
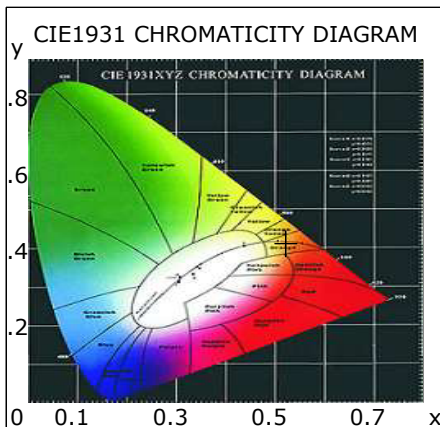
$R11=90$

$R12=89$

$R13=96$

$R14=99$

$R15=97$



Photometric Parameters

Luminous Flux: 238.88 lm

Efficiency: 39.88 lm/W

Radiant Power: 1.011 W

Electric Parameters

Voltage: 24.00V

Current: 0.2495A

Power: 5.99W

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: 42358 (5762)

CCD Integration Time: 2707.53 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: 2025-11-05 11:27:10

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-WL175S-12W-BK

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3913$ $y=0.3638$ $u(u')=0.2377$ $v=0.3316$ $v'=0.4974$

CCT: $T_c=3512K$ ($duv=-0.00891$)

Color Ratio: $R=0.227$ $G=0.727$ $B=0.046$

Peak Wavelength: 458nm

Half Bandwidth: 25.3nm

Dominant Wavelength: 605.6nm

Color Purity: 0.266

Color Render Index: $R_a=96.6$, $CRI=93.8$

$R1=95$

$R2=96$

$R3=98$

$R4=96$

$R5=95$

$R6=92$

$R7=93$

$R8=96$

$R9=96$

$R10=93$

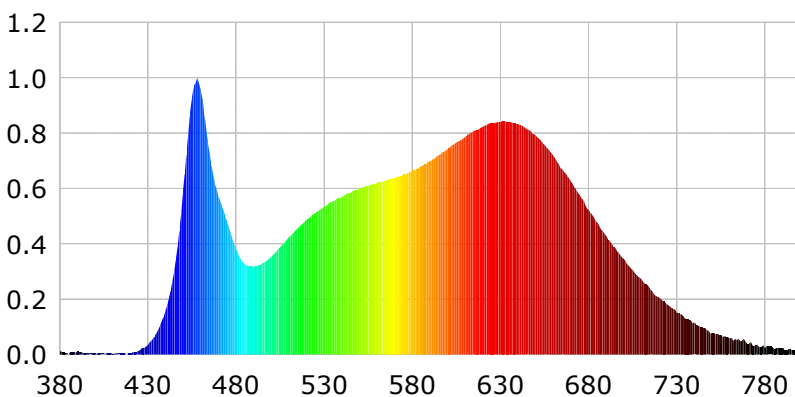
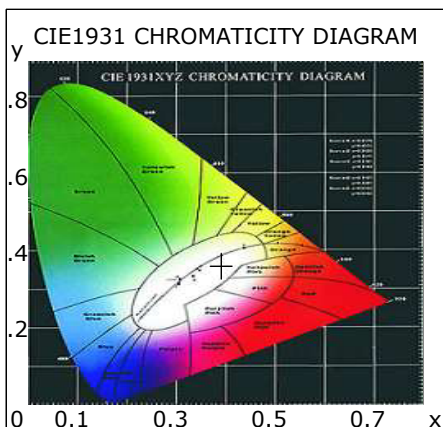
$R11=96$

$R12=78$

$R13=95$

$R14=99$

$R15=94$



Photometric Parameters

Luminous Flux: 641.93 lm

Efficiency: 53.45 lm/W

Radiant Power: 2.397 W

Electric Parameters

Voltage: 24.00V

Current: 0.5010A

Power: 12.01W

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: 43065 (5365)

CCD Integration Time: 1232.09 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: 2025-11-05 11:30:13

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-WL175S-12W-BK

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3322$ $y=0.3398$ $u(u')=0.2072$ $v=0.3179$ $v'=0.4769$

CCT: $T_c=5609K$ ($duv=-0.00057$)

Color Ratio: $R=0.161$ $G=0.778$ $B=0.061$

Peak Wavelength: 458nm

Half Bandwidth: 23.3nm

Dominant Wavelength: 545.5nm

Color Purity: 0.017

Color Render Index: $R_a=92.6$, $CRI=91.2$

$R1=92$

$R2=95$

$R3=90$

$R4=90$

$R5=87$

$R6=88$

$R7=94$

$R8=92$

$R9=79$

$R10=88$

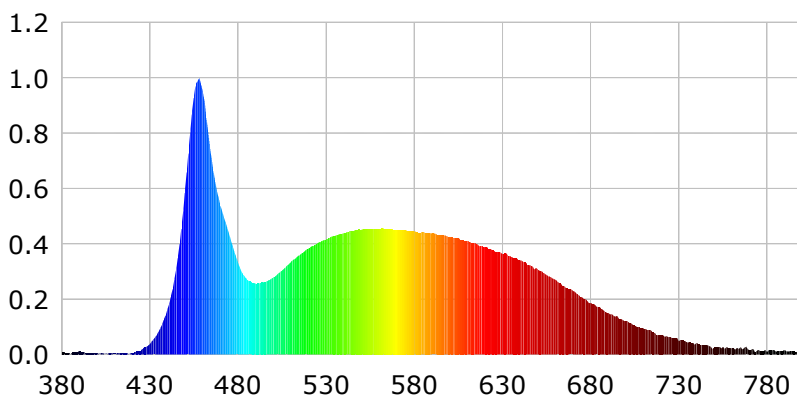
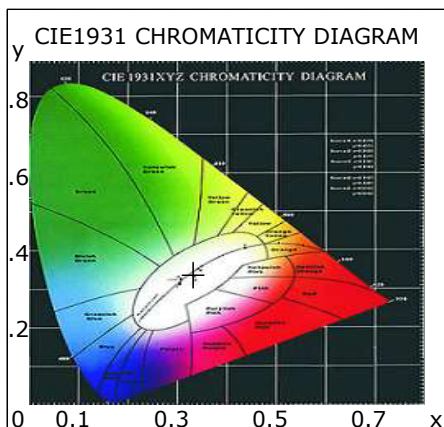
$R11=92$

$R12=61$

$R13=95$

$R14=94$

$R15=94$



Photometric Parameters

Luminous Flux: 414.16 lm

Efficiency: 68.12 lm/W

Radiant Power: 1.421 W

Electric Parameters

Voltage: 24.00V

Current: 0.2533A

Power: 6.08W

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: 41247 (5402)

CCD Integration Time: 1232.09 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: 2025-11-05 11:34:01

Inspector: