

Lightsource Test Report

Product Information

Product Category: KL-WL155S-12W

Product Number: 2000K

Manufacturer:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5075$ $y=0.4257$ $u(u')=0.2861$ $v=0.3601$ $v'=0.5401$

CCT: $T_c=2152K$ ($duv=0.00308$)

Color Ratio: $R=0.307$ $G=0.677$ $B=0.017$

Peak Wavelength: 627nm

Half Bandwidth: 123.8nm

Dominant Wavelength: 585.9nm

Color Purity: 0.802

Color Render Index: $R_a=91.6$, $CRI=89.1$

$R1=91$ $R2=96$ $R3=98$ $R4=92$

$R5=92$

$R6=99$

$R7=89$

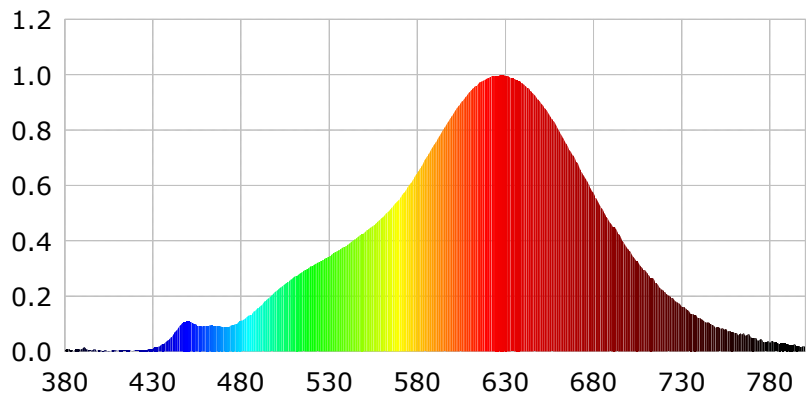
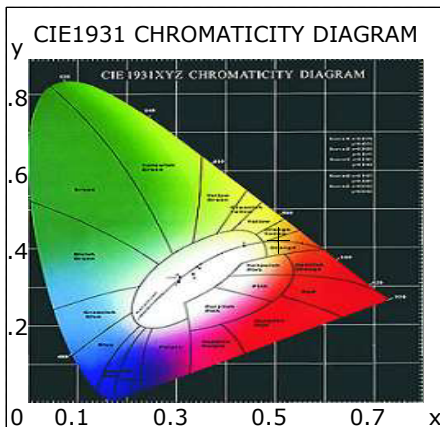
$R8=76$

$R9=50$ $R10=91$ $R11=95$ $R12=91$

$R13=92$

$R14=99$

$R15=84$



Photometric Parameters

Luminous Flux: 475.31 lm

Efficiency: 77.41 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: 47307 (5573)

CCD Integration Time: 1741.85 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: 2025-01-16 11:04:27

Inspector:

Lightsource Test Report

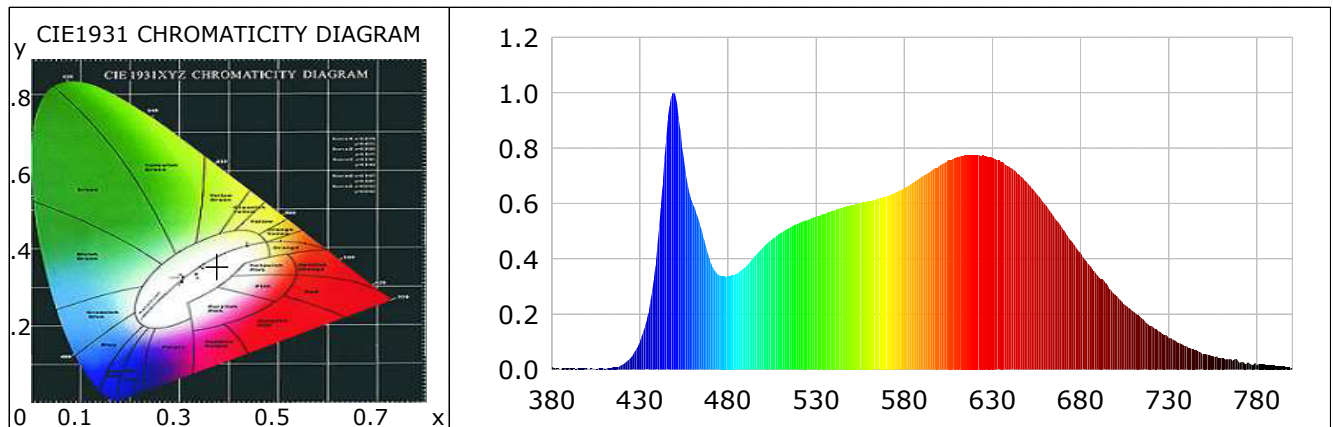
Product Information

Product Category: KL-WL155S-12W
Manufacturer:

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3766$ $y=0.3557$ $u(u')=0.2312$ $v=0.3276$ $v'=0.4914$
CCT: $T_c=3944K$ ($duv=-0.00907$) Color Ratio: $R=0.214$ $G=0.740$ $B=0.046$
Peak Wavelength: 449nm Half Bandwidth: 24.4nm
Dominant Wavelength: 586.2nm Color Purity: 0.197
Color Render Index: $R_a=96.3$, $CRI=95.2$
 $R1=97$ $R2=97$ $R3=97$ $R4=97$ $R5=98$ $R6=94$ $R7=95$ $R8=96$
 $R9=93$ $R10=96$ $R11=95$ $R12=82$ $R13=97$ $R14=98$ $R15=98$



Photometric Parameters

Luminous Flux: 1099.79 lm Efficiency: 89.85 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, 4 π
Max of Signal: 44950 (5120) CCD Integration Time: 784.38 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: 2025-01-16 11:05:16
Inspector:

Lightsource Test Report

Product Information

Product Category: KL-WL155S-12W

Manufacturer:

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3026$ $y=0.3167$ $u(u')=0.1954$ $v=0.3067$ $v'=0.4601$

CCT: $T_c=6142K$ ($duv=0.00204$)

Color Ratio: $R=0.143$ $G=0.789$ $B=0.068$

Peak Wavelength: 449nm

Half Bandwidth: 23.5nm

Dominant Wavelength: 484.4nm

Color Purity: 0.117

Color Render Index: $R_a=93.3$, $CRI=90.6$

$R1=95$

$R2=93$

$R3=85$

$R4=99$

$R5=93$

$R6=86$

$R7=97$

$R8=99$

$R9=91$

$R10=80$

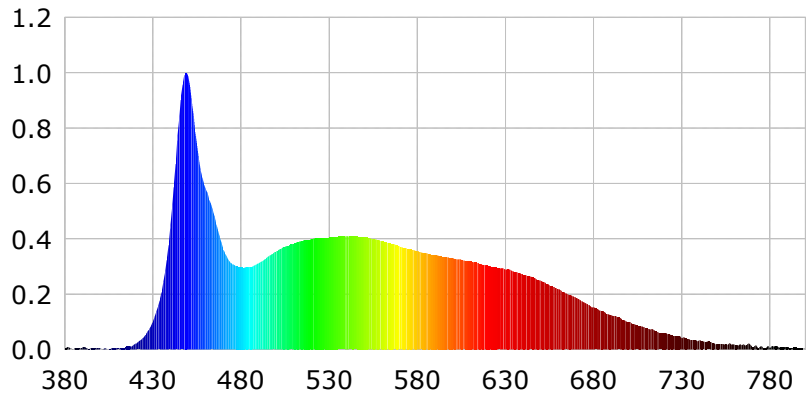
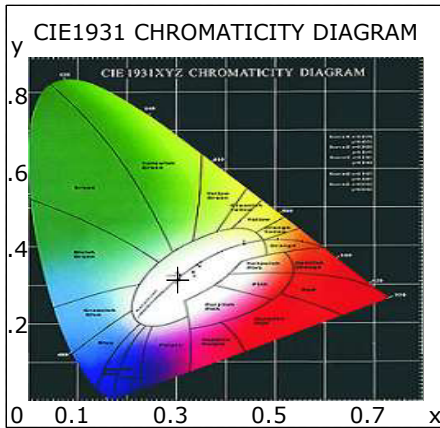
$R11=97$

$R12=60$

$R13=95$

$R14=92$

$R15=97$



Photometric Parameters

Luminous Flux: 635.02 lm

Efficiency: 103.42 lm/W

Radiant Power: 2.310 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: 43187 (5179)

CCD Integration Time: 784.38 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: 2025-01-16 11:06:11

Inspector: