

Lightsource Test Report

Product Information

Product Category: KL-WL135R-12W

Product Number: 2000K

Manufacturer:

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: $R_a=94.5$, $CRI=93.2$

$R1=97$

$R2=96$

$R3=98$

$R4=94$

$R5=95$

$R6=90$

$R7=93$

$R8=93$

$R9=87$

$R10=93$

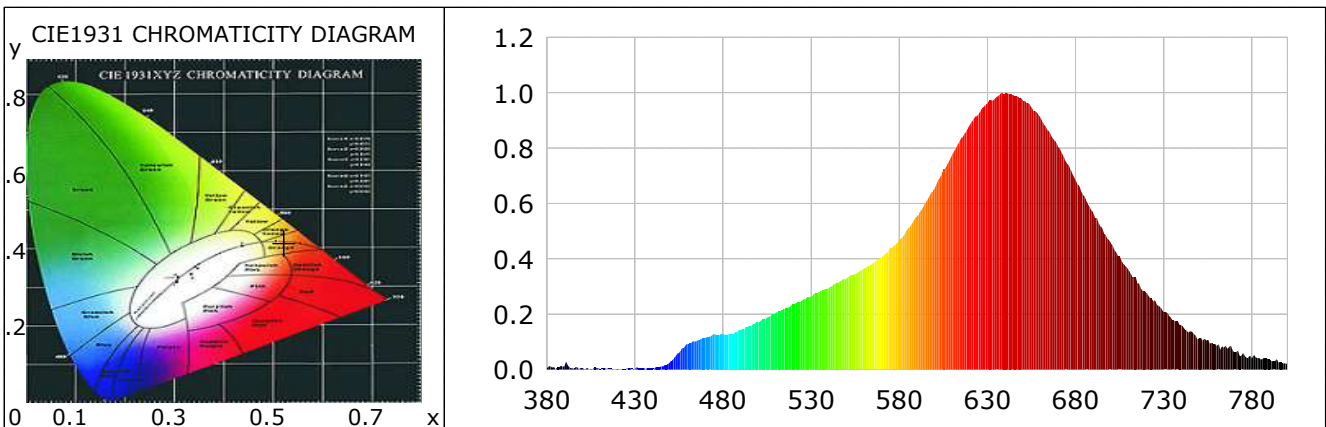
$R11=89$

$R12=82$

$R13=96$

$R14=99$

$R15=97$



Photometric Parameters

Luminous Flux: 238.86 lm

Efficiency: 40.28 lm/W

Radiant Power: 1.001 W

Electric Parameters

Voltage: 24.00V

Current: 0.2470A

Power: 5.93W

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: 2025-01-16 14:43:10

Inspector:

Lightsource Test Report

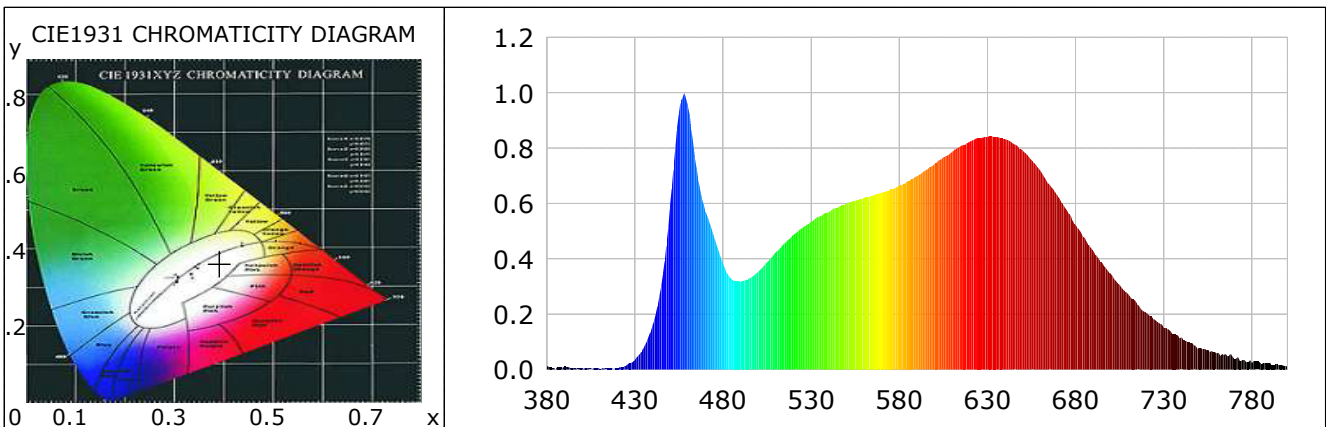
Product Information

Product Category: KL-WL135R-12W
Manufacturer:

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: $T_c=3602K$ ($duv=-0.00909$) 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: Ra= 94.9, CRI= 93.7
R1 =95 R2 =95 R3 =97 R4 =96 R5 =95 R6 =92 R7 =93 R8 =96
R9 =95 R10=93 R11=96 R12=74 R13=95 R14=99 R15=94



Photometric Parameters

Luminous Flux: 655.62 lm

Efficiency: 54.59 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: Tx:0.0'C, Ti:0.0'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2025-01-16 14:44:30

Inspector:

Lightsource Test Report

Product Information

Product Category: KL-WL135R-12W
Manufacturer:

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: $T_c=5510K$ ($duv=-0.00056$)

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

Peak Wavelength: 458nm

Half Bandwidth: 23.3nm

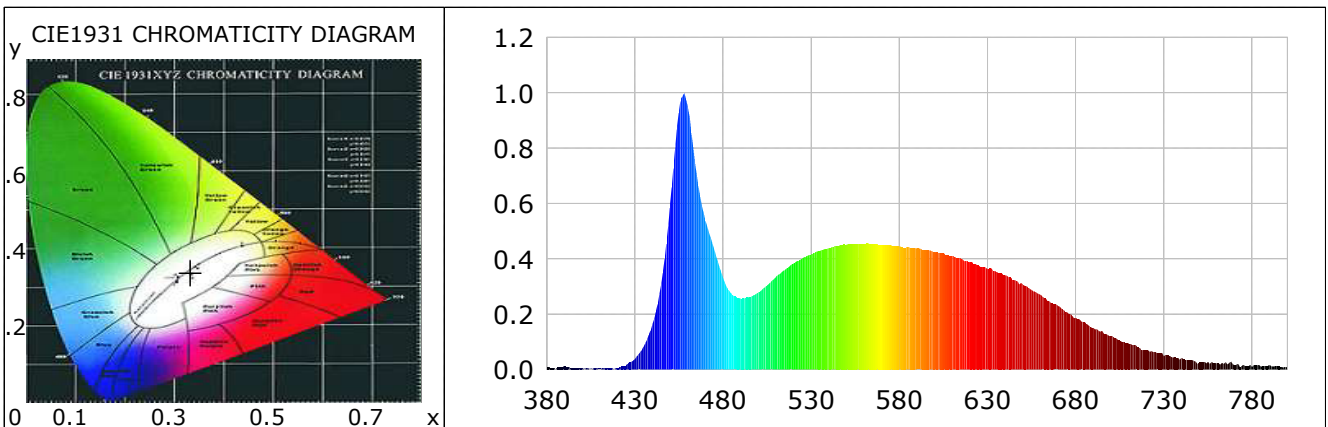
Dominant Wavelength: 545.5nm

Color Purity: 0.017

Color Render Index: Ra= 90.6, CRI= 87.2

R1 =92 R2 =95 R3 =90 R4 =88 R5 =87 R6 =87 R7 =94 R8 =91

R9 =77 R10=83 R11=88 R12=53 R13=95 R14=94 R15=94



Photometric Parameters

Luminous Flux: 420.96 lm

Efficiency: 69.01 lm/W

Radiant Power: 1.423 W

Electric Parameters

Voltage: 24.00V

Current: 0.2540A

Power: 6.10W

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: Tx:0.0'C, Ti:0.0'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2025-01-16 14:45:22

Inspector: