

# Lightsource Test Report

## Product Information

Product Category: KL-WL155R-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:  $T_c=2183K$  ( $duv=0.00308$ )

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: Ra= 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

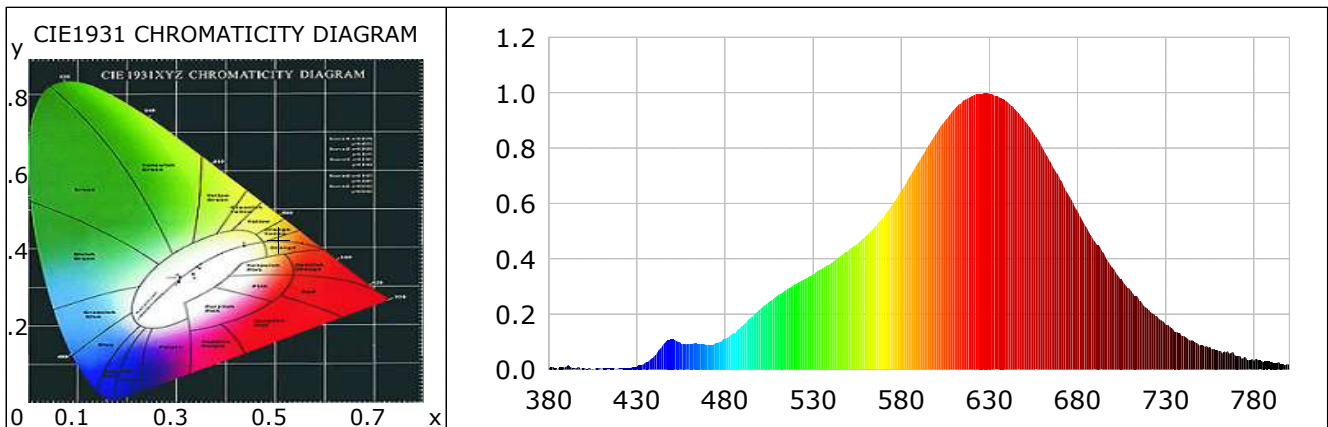
R11=95

R12=91

R13=92

R14=99

R15=84



## Photometric Parameters

Luminous Flux: 476.25 lm

Efficiency: 77.82 lm/W

Radiant Power: 1.771 W

## Electric Parameters

Voltage: 24.00V

Current: 0.2560A

Power: 6.12W

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 $\pi$

Max of Signal: 47307 (5573)

CCD Integration Time: 1741.85 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 11:14:21

Inspector:

# Lightsource Test Report

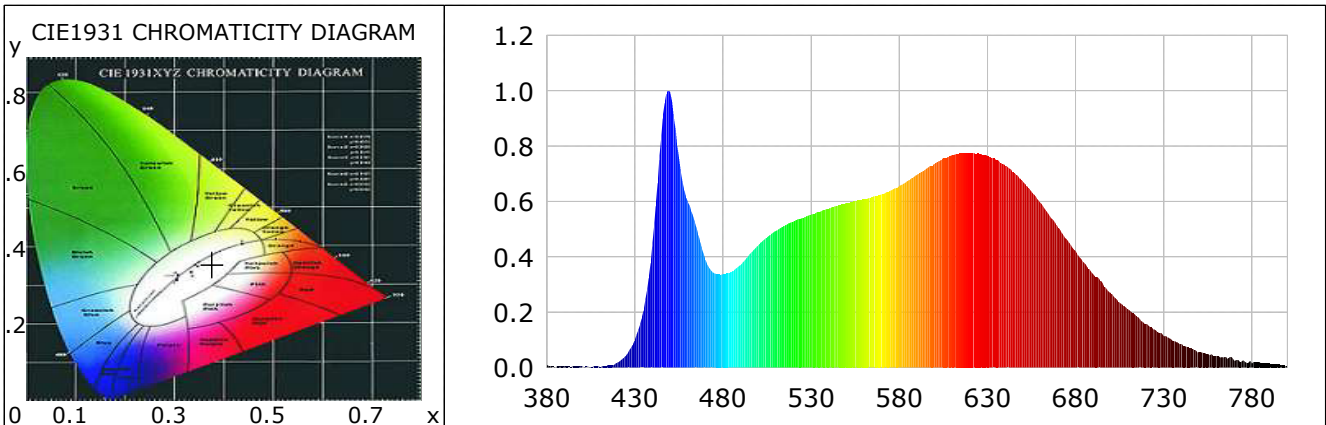
## Product Information

Product Category: KL-WL155R-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: Ra= 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: 1090.96 lm Efficiency: 89.35 lm/W Radiant Power: 4.019 W

## Electric Parameters

Voltage: 24.00V Current: 0.5100A Power: 12.21W  
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, 4π  
Max of Signal: 44950 (5120) CCD Integration Time: 784.38 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 11:14:16  
Inspector:

# Lightsource Test Report

## Product Information

Product Category: KL-WL155R-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:  $T_c=6102K$  ( $duv=0.00204$ )

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:  $R_a=93.3$ ,  $CRI=90.6$

$R_1=95$

$R_2=93$

$R_3=85$

$R_4=99$

$R_5=93$

$R_6=86$

$R_7=97$

$R_8=99$

$R_9=91$

$R_{10}=80$

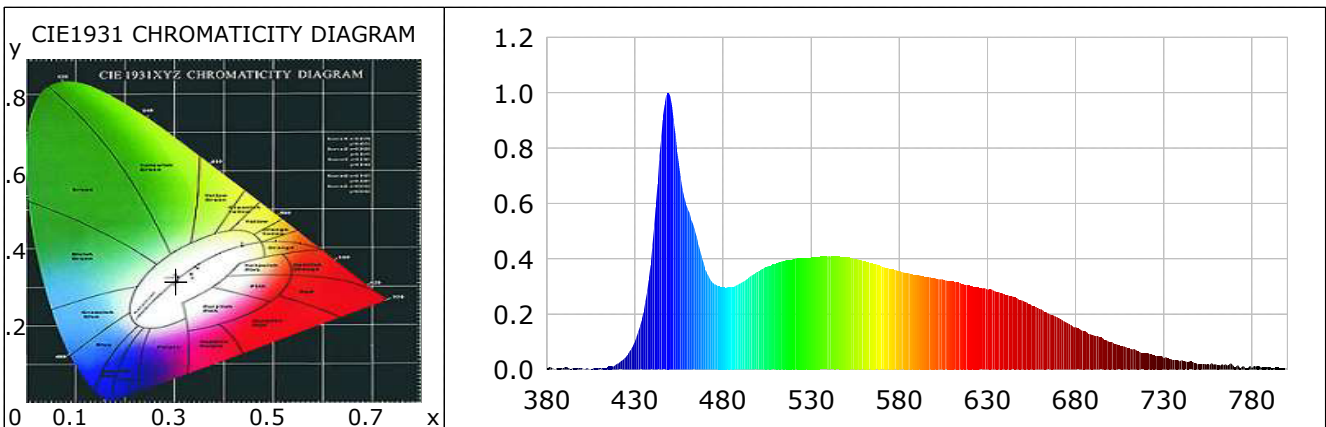
$R_{11}=97$

$R_{12}=60$

$R_{13}=95$

$R_{14}=92$

$R_{15}=97$



## Photometric Parameters

Luminous Flux: 630.28 lm

Efficiency: 102.82 lm/W

Radiant Power: 2.309 W

## Electric Parameters

Voltage: 24.00V

Current: 0.2560A

Power: 6.13W

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 $\pi$

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 11:14:11

Inspector: