

# Lightsource Test Report

## Product Information

Product Type: KL-T1001AT-55-18W

Product Number: 2000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5208$   $y=0.4203$   $u(u')=0.2975$   $v=0.3602$   $v'=0.5402$

CCT:  $T_c=2094K$  ( $duv=0.00185$ )

Color Ratio:  $R=0.331$   $G=0.654$   $B=0.015$

Peak Wavelength: 631nm

Half Bandwidth: 115.8nm

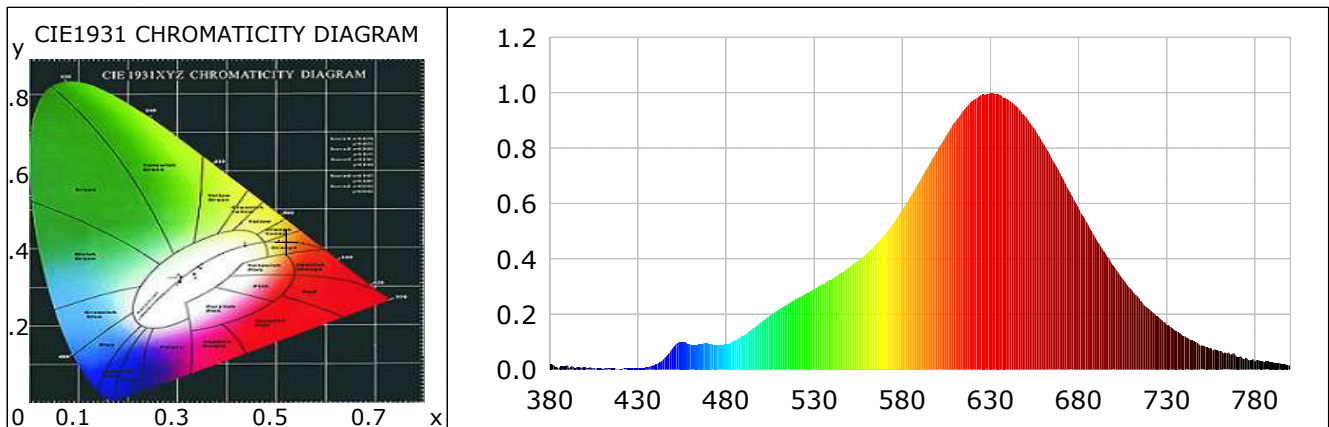
Dominant Wavelength: 587.6nm

Color Purity: 0.825

Color Render Index:  $R_a=92.2$ ,  $CRI=90.3$

$R1=93$   $R2=97$   $R3=98$   $R4=93$   $R5=94$   $R6=98$   $R7=88$   $R8=77$

$R9=54$   $R10=94$   $R11=97$   $R12=93$   $R13=94$   $R14=99$   $R15=86$



## Photometric Parameters

Luminous Flux: 781.13 lm

Efficiency: 88.16 lm/W

Radiant Power: 3.058 W

## Electric Parameters

Voltage: 24.00V

Current: 0.3690A

Power: 8.86W

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: 43069 (5427)

CCD Integration Time: 1340.17 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: 2025-01-17 11:10:54

Inspector:

# Lightsource Test Report

## Product Information

Product Type: KL-T1001AT-55-18W

Product Number: 4000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3925$   $y=0.3687$   $u(u')=0.2365$   $v=0.3332$   $v'=0.4998$

CCT:  $T_c=4013K$  ( $duv=-0.00738$ )

Color Ratio:  $R=0.226$   $G=0.730$   $B=0.044$

Peak Wavelength: 453nm

Half Bandwidth: 25.6nm

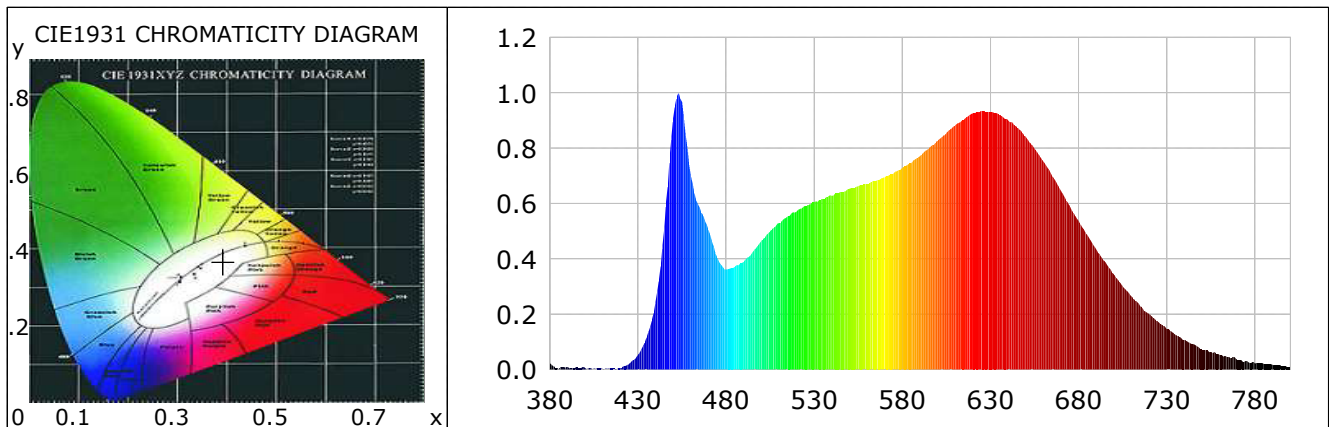
Dominant Wavelength: 584.5nm

Color Purity: 0.284

Color Render Index:  $R_a=96.2$ ,  $CRI=95.1$

$R1=96$   $R2=96$   $R3=98$   $R4=99$   $R5=96$   $R6=93$   $R7=95$   $R8=97$

$R9=97$   $R10=94$   $R11=96$   $R12=79$   $R13=95$   $R14=99$   $R15=96$



## Photometric Parameters

Luminous Flux: 1807.42 lm

Efficiency: 101.48 lm/W

Radiant Power: 6.685 W

## Electric Parameters

Voltage: 24.00V

Current: 0.7420A

Power: 17.81W

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: 44735 (5167)

CCD Integration Time: 856.52 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: 2025-01-17 11:11:47

Inspector:

# Lightsource Test Report

## Product Information

Product Type: KL-T1001AT-55-18W

Product Number: 6000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3151$   $y=0.3382$   $u(u')=0.1961$   $v=0.3157$   $v'=0.4735$

CCT:  $T_c=6322K$  ( $duv=0.00666$ )

Color Ratio:  $R=0.147$   $G=0.788$   $B=0.065$

Peak Wavelength: 453nm

Half Bandwidth: 23.9nm

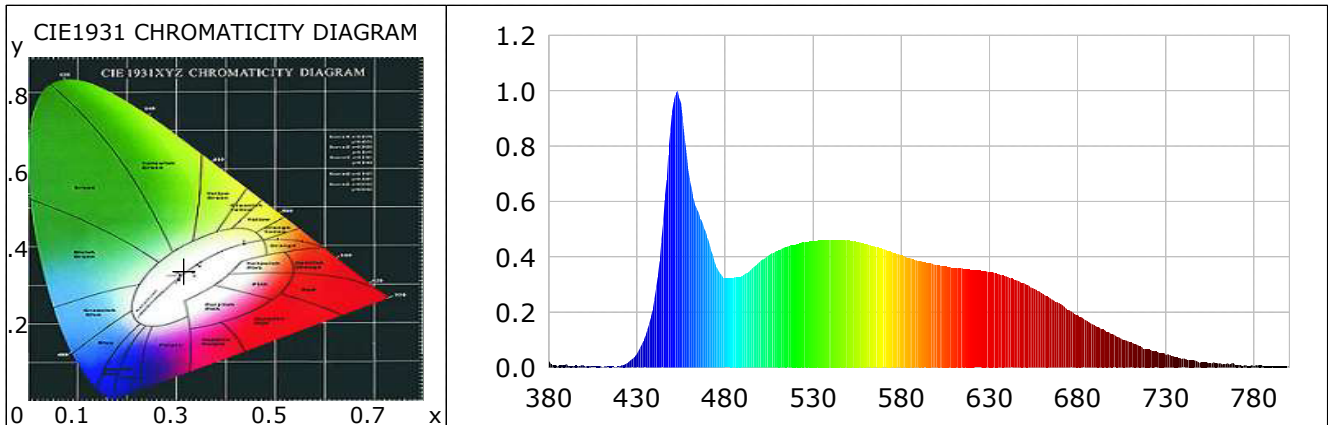
Dominant Wavelength: 495.2nm

Color Purity: 0.059

Color Render Index:  $R_a=92.5$ ,  $CRI=89.3$

$R1=94$   $R2=94$   $R3=89$   $R4=93$   $R5=90$   $R6=87$   $R7=97$   $R8=95$

$R9=86$   $R10=82$   $R11=96$   $R12=55$   $R13=95$   $R14=94$   $R15=93$



## Photometric Parameters

Luminous Flux: 1015.20 lm

Efficiency: 113.05 lm/W

Radiant Power: 3.570 W

## Electric Parameters

Voltage: 24.00V

Current: 0.3740A

Power: 8.98W

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: 46342 (5182)

CCD Integration Time: 1043.87 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: 2025-01-17 11:09:50

Inspector: