

# Lightsource Test Report

## Product Information

Product Category: KL-T1001AT-45-12W

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:  $T_c=2252K$  ( $duv=0.00328$ )

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

Peak Wavelength: 627nm

Half Bandwidth: 123.8nm

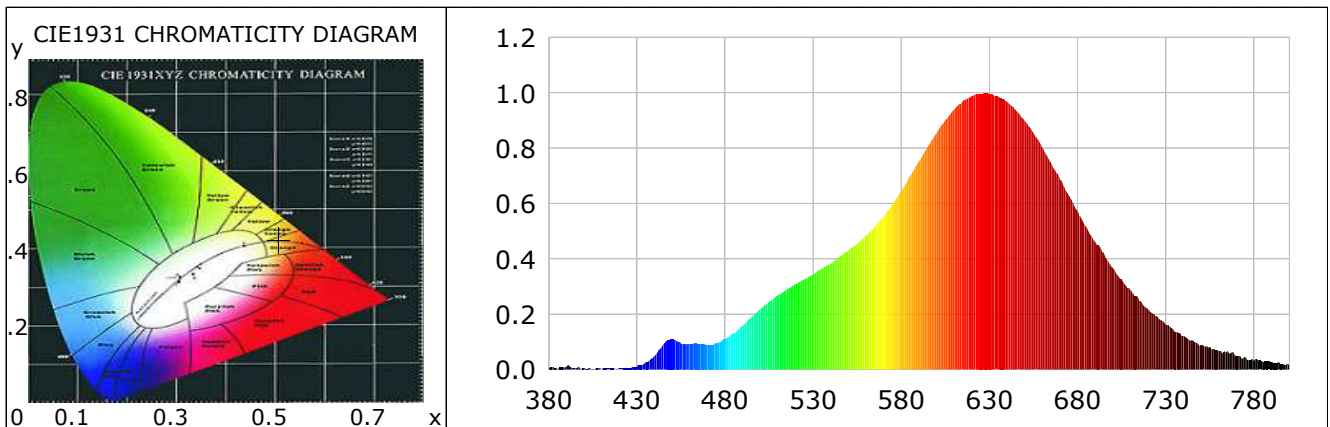
Dominant Wavelength: 585.9nm

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: 494.33 lm

Efficiency: 80.51 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 $\pi$

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: 2025-01-17 11:04:27

Inspector:

# Lightsource Test Report

## Product Information

Product Category: KL-T1001AT-45-12W

Product Number: 4000K

Manufacturer:

## 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

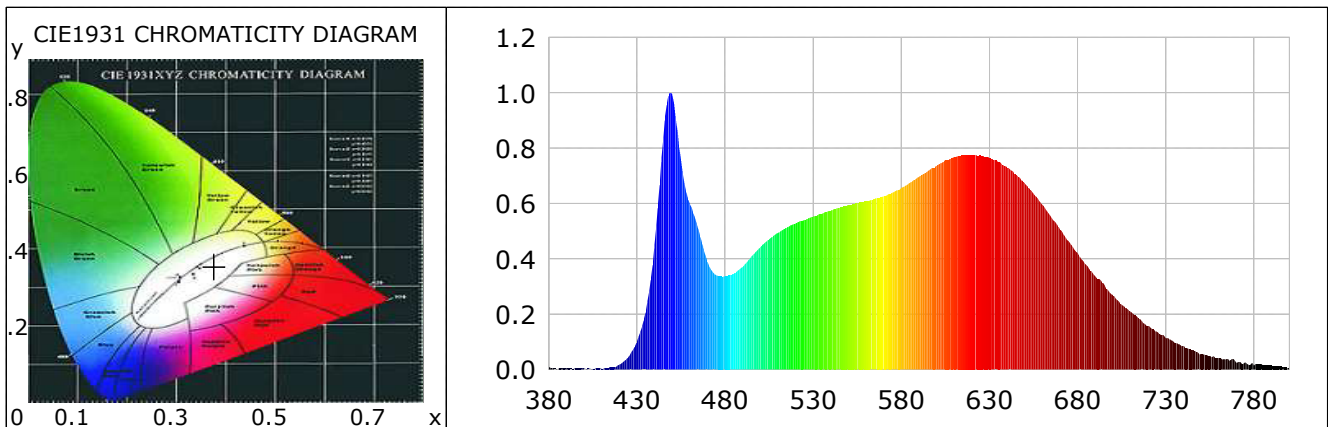
Dominant Wavelength: 586.2nm

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: 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 $\pi$

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: 2025-01-17 11:05:16

Inspector:

# Lightsource Test Report

## Product Information

Product Category: KL-T1001AT-45-12W

Product Number: 6000K

Manufacturer:

## CIE Colorimetric Parameters

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

CCT:  $T_c=6142K$  ( $duv=0.00209$ )

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

$R1=95$

$R2=93$

$R3=85$

$R4=99$

$R5=93$

$R6=86$

$R7=97$

$R8=99$

$R9=91$

$R10=80$

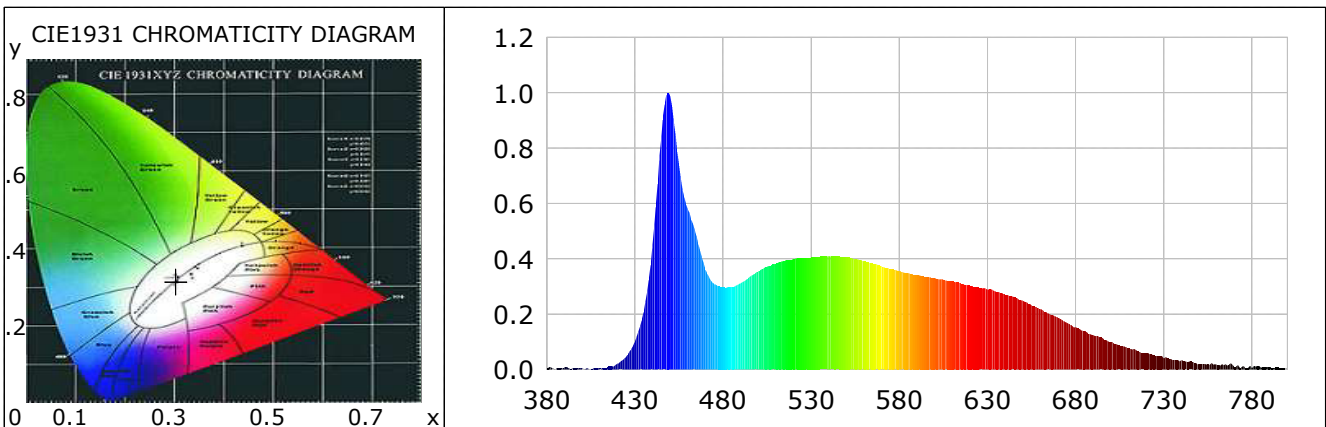
$R11=97$

$R12=60$

$R13=95$

$R14=92$

$R15=97$



## 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 $\pi$

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: 2025-01-17 11:06:11

Inspector: