

# Lightsource Test Report

## Product Information

Product Category: KL-T1001AJ-900-30W

Product number: 2000K

Manufacturer:

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5290$   $y=0.4208$   $u(u')=0.3027$   $v=0.3611$   $v'=0.5417$

CCT:  $T_c=2087K$  ( $duv=0.00229$ )

Color Ratio:  $R=0.342$   $G=0.644$   $B=0.013$

Peak Wavelength: 636nm

Half Bandwidth: 112.8nm

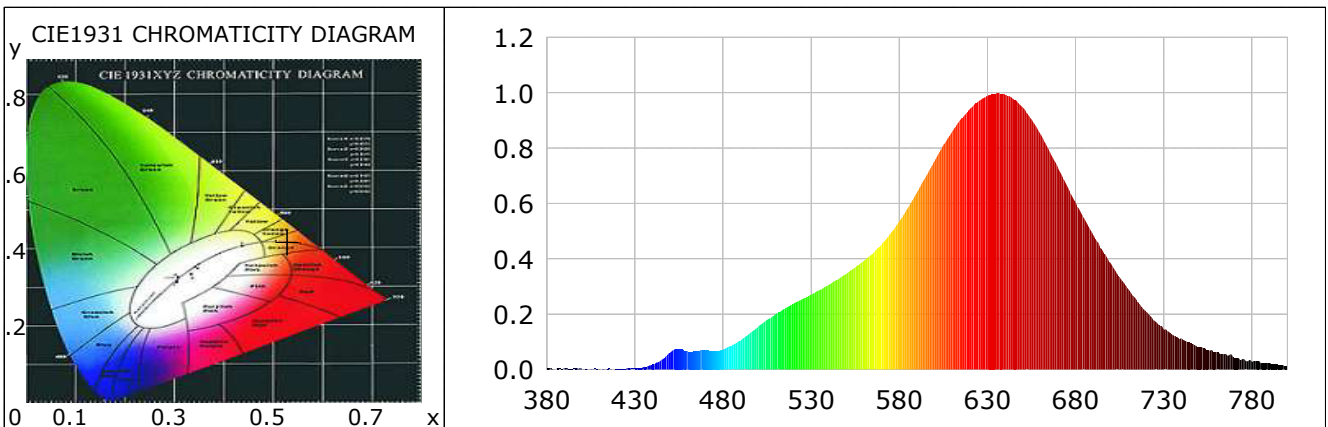
Dominant Wavelength: 607.8nm

Color Purity: 0.851

Color Render Index:  $R_a=93.5$ ,  $CRI=91.8$

$R1=94$   $R2=98$   $R3=99$   $R4=95$   $R5=95$   $R6=97$   $R7=90$   $R8=80$

$R9=60$   $R10=95$   $R11=98$   $R12=95$   $R13=95$   $R14=98$   $R15=87$



## Photometric Parameters

Luminous Flux: 1086.97 lm

Efficiency: 86.27 lm/W

Radiant Power: 4.865 W

## Electric Parameters

Voltage: 24.00V

Current: 0.6500A

Power: 15.60W

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: 43333 (5330)

CCD Integration Time: 620.58 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 16:18:53

Inspector:

# Lightsource Test Report

## Product Information

Product Category: KL-T1001AJ-900-30W

Product number: 4000K

Manufacturer:

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4036$   $y=0.3715$   $u(u')=0.2427$   $v=0.3352$   $v'=0.5027$

CCT:  $T_c=3871K$  ( $duv=-0.00833$ )

Color Ratio:  $R=0.240$   $G=0.715$   $B=0.044$

Peak Wavelength: 634nm

Half Bandwidth: 176.8nm

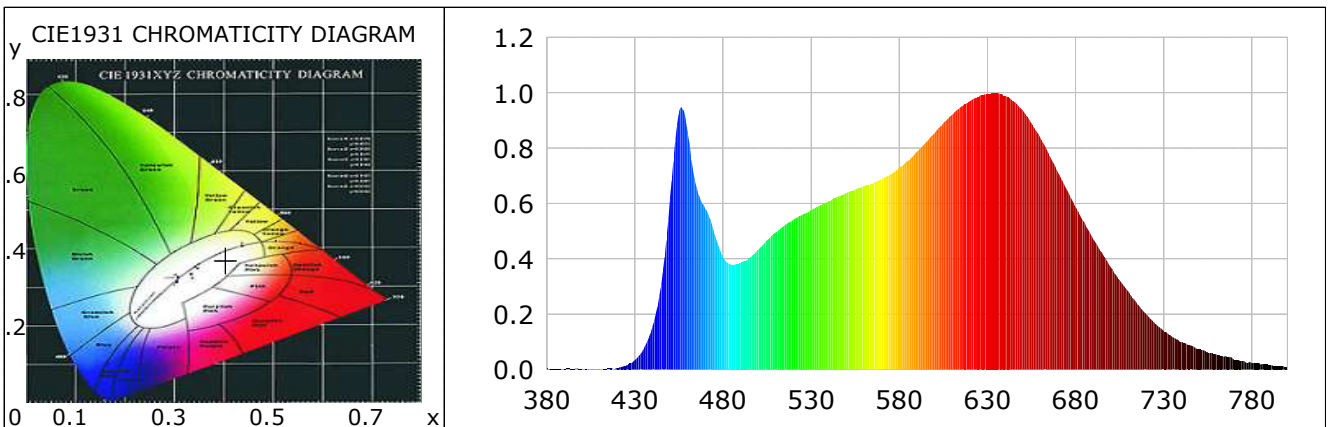
Dominant Wavelength: 585.6nm

Color Purity: 0.327

Color Render Index:  $R_a=94.0$ ,  $CRI=92.7$

$R1=94$   $R2=93$   $R3=96$   $R4=98$   $R5=93$   $R6=89$   $R7=93$   $R8=96$

$R9=94$   $R10=88$   $R11=96$   $R12=76$   $R13=93$   $R14=99$   $R15=93$



## Photometric Parameters

Luminous Flux: 2931.34 lm

Efficiency: 97.45 lm/W

Radiant Power: 9.855 W

## Electric Parameters

Voltage: 24.00V

Current: 1.2591A

Power: 30.22W

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: 44536 (5100)

CCD Integration Time: 385.74 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 16:19:45

Inspector:

# Lightsource Test Report

## Product Information

Product Category: KL-T1001AJ-900-30W

Product number: 6000K

Manufacturer:

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3263$   $y=0.3411$   $u(u')=0.2027$   $v=0.3178$   $v'=0.4766$

CCT:  $T_c=6074K$  ( $duv=0.00283$ )

Color Ratio:  $R=0.162$   $G=0.770$   $B=0.068$

Peak Wavelength: 456nm

Half Bandwidth: 26.8nm

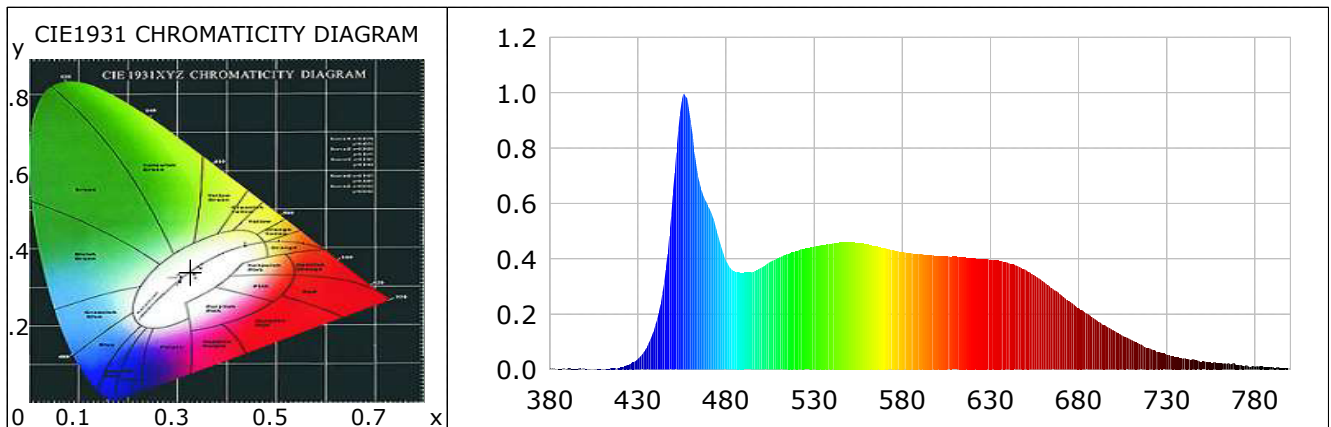
Dominant Wavelength: 507.1nm

Color Purity: 0.021

Color Render Index:  $R_a=92.5$ ,  $CRI=90.9$

$R1=94$   $R2=99$   $R3=94$   $R4=88$   $R5=90$   $R6=92$   $R7=92$   $R8=91$

$R9=93$   $R10=94$   $R11=92$   $R12=59$   $R13=98$   $R14=95$   $R15=92$



## Photometric Parameters

Luminous Flux: 1635.00 lm

Efficiency: 102.96 lm/W

Radiant Power: 5.588 W

## Electric Parameters

Voltage: 24.00V

Current: 0.5370A

Power: 15.88W

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: 42894 (5139)

CCD Integration Time: 385.74 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 16:20:45

Inspector: