

Lightsource Test Report

Product Information

Product Type: KL-T1001AJ-C5-10W

Product Spec: 2000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5204$ $y=0.4156$ $u(u')=0.2997$ $v=0.3590$ $v'=0.5385$

CCT: $T_c=2086K$ ($duv=0.00045$)

Color Ratio: $R=0.338$ $G=0.646$ $B=0.016$

Peak Wavelength: 634nm

Half Bandwidth: 112.7nm

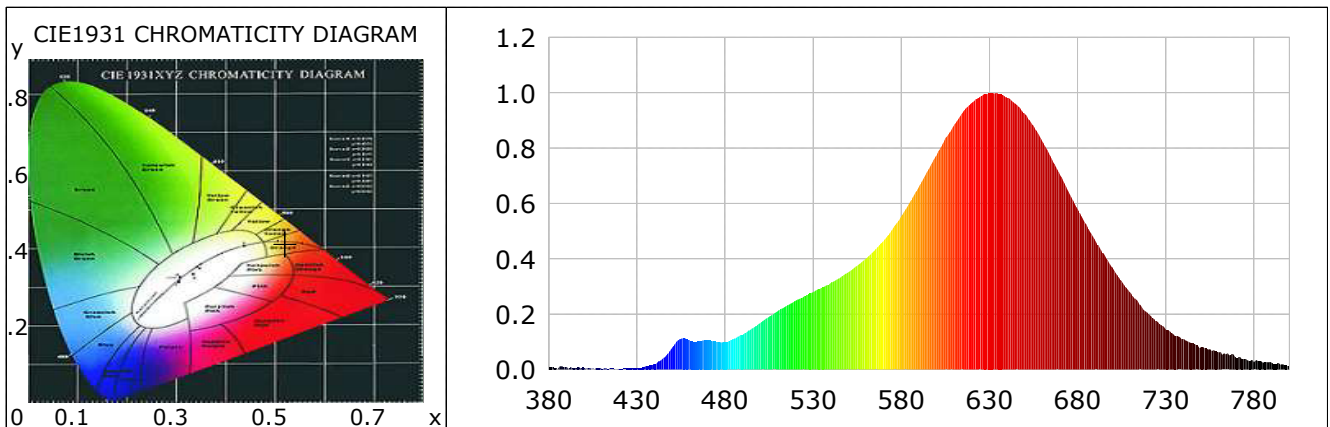
Dominant Wavelength: 588.2nm

Color Purity: 0.810

Color Render Index: $R_a=92.8$, $CRI=91.4$

$R1=94$ $R2=99$ $R3=97$ $R4=95$ $R5=96$ $R6=95$ $R7=88$ $R8=78$

$R9=58$ $R10=98$ $R11=99$ $R12=91$ $R13=96$ $R14=99$ $R15=88$



Photometric Parameters

Luminous Flux: 413.29 lm

Efficiency: 82.33 lm/W

Radiant Power: 1.612 W

Electric Parameters

Voltage: 24.00V

Current: 0.2083A

Power: 5.02W

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: 44407 (5297)

CCD Integration Time: 1758.45 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 16:48:40

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-T1001AJ-C5-10W

Product Spec: 4000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3988$ $y=0.3666$ $u(u')=0.2416$ $v=0.3332$ $v'=0.4998$

CCT: $T_c=4039K$ ($duv=-0.00954$)

Color Ratio: $R=0.238$ $G=0.717$ $B=0.045$

Peak Wavelength: 630nm

Half Bandwidth: 179.7nm

Dominant Wavelength: 586.5nm

Color Purity: 0.297

Color Render Index: $R_a=94.1$, $CRI=92.7$

$R1=93$

$R2=93$

$R3=96$

$R4=97$

$R5=93$

$R6=89$

$R7=94$

$R8=97$

$R9=93$

$R10=88$

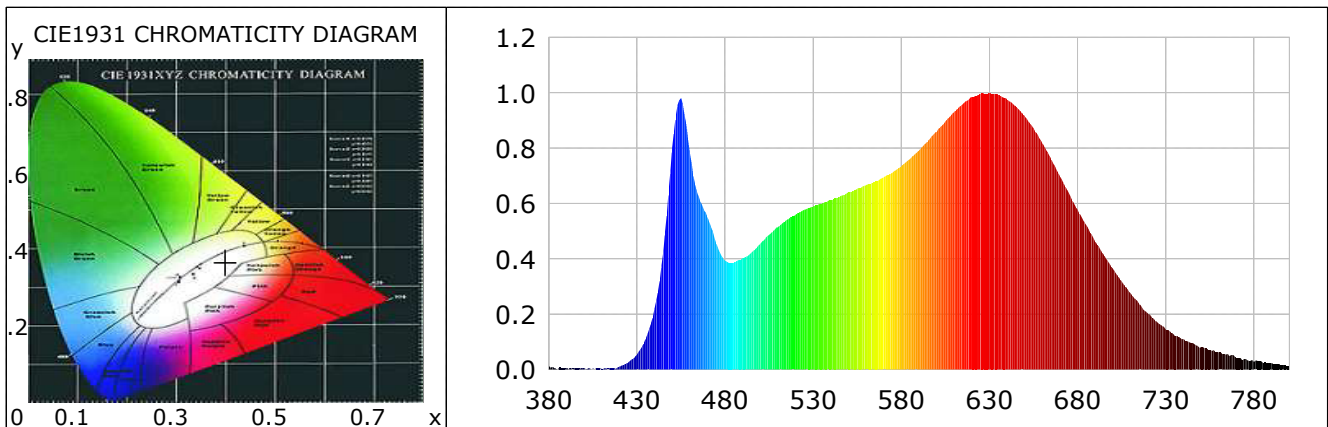
$R11=94$

$R12=78$

$R13=92$

$R14=99$

$R15=93$



Photometric Parameters

Luminous Flux: 912.48 lm

Efficiency: 89.11 lm/W

Radiant Power: 3.760 W

Electric Parameters

Voltage: 24.00V

Current: 0.4266A

Power: 10.24W

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 π

Max of Signal: 49990 (4926)

CCD Integration Time: 1211.54 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 16:50:31

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-T1001AJ-C5-10W

Product Spec: 6000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3242$ $y=0.3370$ $u(u')=0.2027$ $v=0.3161$ $v'=0.4742$

CCT: $T_c=6184K$ ($duv=0.00171$)

Color Ratio: $R=0.162$ $G=0.773$ $B=0.066$

Peak Wavelength: 455nm

Half Bandwidth: 25.3nm

Dominant Wavelength: 496.9nm

Color Purity: 0.029

Color Render Index: $R_a=93.2$, $CRI=91.2$

$R1=94$

$R2=98$

$R3=91$

$R4=92$

$R5=92$

$R6=91$

$R7=95$

$R8=93$

$R9=91$

$R10=91$

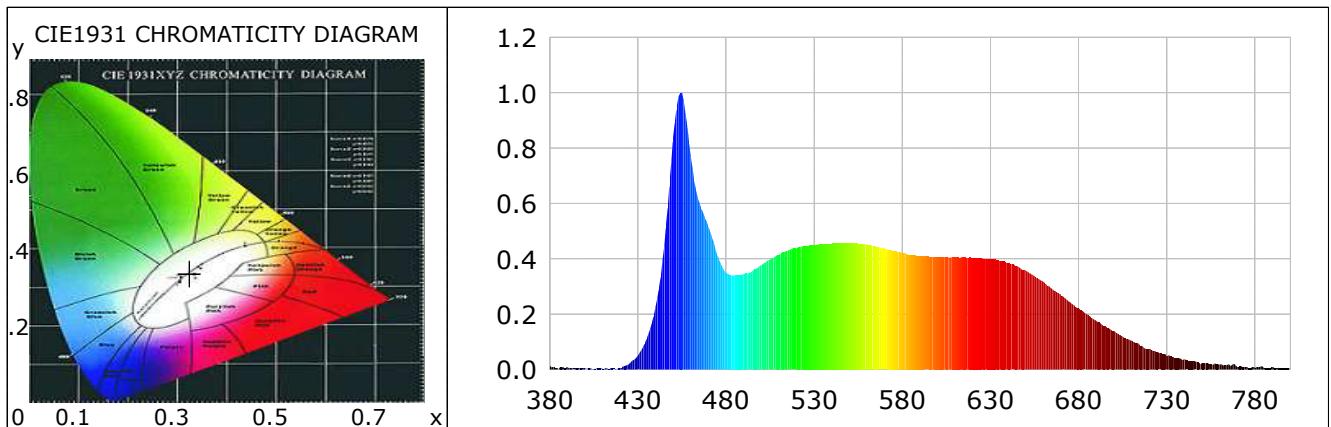
$R11=95$

$R12=60$

$R13=98$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 470.30 lm

Efficiency: 90.27 lm/W

Radiant Power: 2.028 W

Electric Parameters

Voltage: 24.00V

Current: 0.2170A

Power: 5.21W

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, 4 π

Max of Signal: 45499 (4838)

CCD Integration Time: 1211.54 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 16:49:40

Inspector: