

Lightsource Test Report

Product Information

Product Spec: KL-LP170S-12W-WH

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5279$ $y=0.4177$ $u(u')=0.3035$ $v=0.3603$ $v'=0.5404$

CCT: $T_c=1998K$ ($duv=0.00118$)

Color Ratio: $R=0.344$ $G=0.642$ $B=0.014$

Peak Wavelength: 630nm

Half Bandwidth: 111.5nm

Dominant Wavelength: 588.3nm

Color Purity: 0.839

Color Render Index: $R_a=91.8$, $CRI=91.1$

$R1=93$ $R2=98$ $R3=97$ $R4=93$

$R5=94$

$R6=96$

$R7=87$

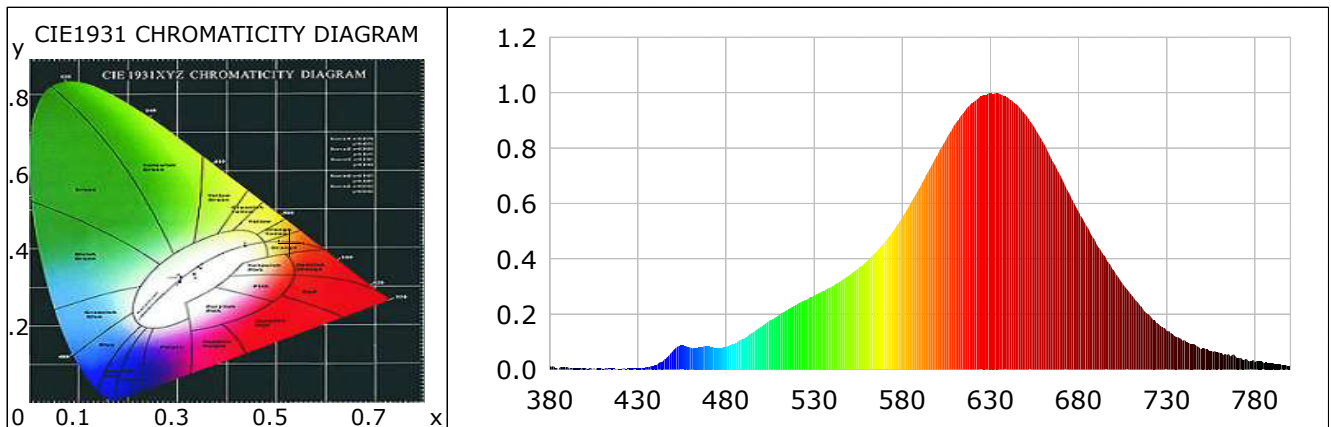
$R8=76$

$R9=53$ $R10=95$ $R11=97$ $R12=93$

$R13=94$

$R14=99$

$R15=86$



Photometric Parameters

Luminous Flux: 499.28 lm

Efficiency: 80.66 lm/W

Radiant Power: 2.030 W

Electric Parameters

Voltage: 24.00V

Current: 0.2579A

Power: 6.19W

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: 42915 (4973)

CCD Integration Time: 1406.45 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: 2025-08-18 14:55:19

Inspector:

Lightsource Test Report

Product Information

Product Spec: KL-LP170S-12W-WH

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4048$ $y=0.3730$ $u(u')=0.2429$ $v=0.3357$ $v'=0.5036$

CCT: $T_c=3457K$ ($duv=-0.00786$)

Color Ratio: $R=0.239$ $G=0.721$ $B=0.040$

Peak Wavelength: 630nm

Half Bandwidth: 178.2nm

Dominant Wavelength: 585.4nm

Color Purity: 0.334

Color Render Index: $R_a=95.1$, $CRI=92.8$

$R1=96$ $R2=96$ $R3=98$ $R4=97$

$R5=96$

$R6=92$

$R7=95$

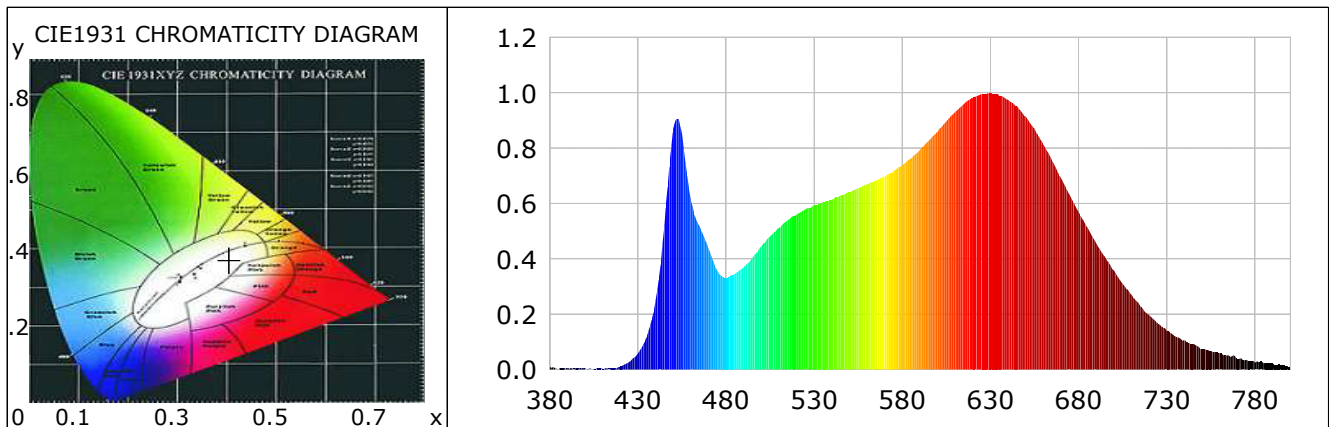
$R8=97$

$R9=97$ $R10=93$ $R11=94$ $R12=82$

$R13=95$

$R14=99$

$R15=96$



Photometric Parameters

Luminous Flux: 1142.88 lm

Efficiency: 94.22 lm/W

Radiant Power: 4.335 W

Electric Parameters

Voltage: 24.00V

Current: 0.5054A

Power: 12.13W

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 π

Max of Signal: 49902 (4827)

CCD Integration Time: 1029.80 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: 2025-08-18 14:53:24

Inspector:

Lightsource Test Report

Product Information

Product Spec: KL-LP170S-12W-WH

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3287$ $y=0.3449$ $u(u')=0.2028$ $v=0.3193$ $v'=0.4789$

CCT: $T_c=5688K$ ($duv=0.00364$)

Color Ratio: $R=0.160$ $G=0.780$ $B=0.060$

Peak Wavelength: 452nm

Half Bandwidth: 23.9nm

Dominant Wavelength: 528.6nm

Color Purity: 0.024

Color Render Index: $R_a=93.5$, $CRI=91.1$

$R1=95$ $R2=94$ $R3=88$ $R4=96$

$R5=93$

$R6=88$

$R7=97$

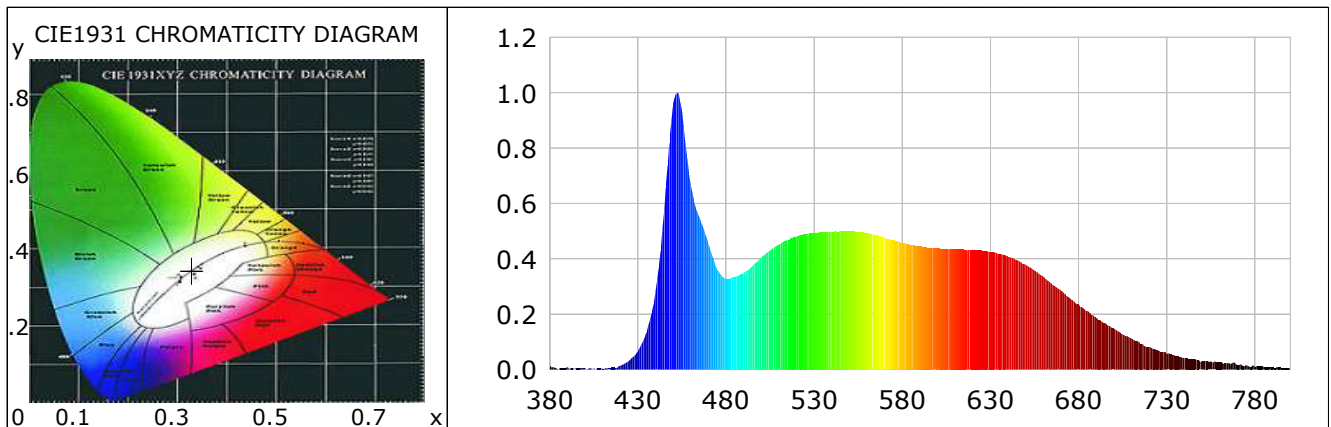
$R8=97$

$R9=94$ $R10=83$ $R11=98$ $R12=59$

$R13=96$

$R14=93$

$R15=96$



Photometric Parameters

Luminous Flux: 639.30 lm

Efficiency: 103.28 lm/W

Radiant Power: 2.369 W

Electric Parameters

Voltage: 24.00V

Current: 0.2579A

Power: 6.19W

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: 49064 (4894)

CCD Integration Time: 1195.48 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: 2025-08-18 14:56:10

Inspector: