

Lightsource Test Report

Product Information

Product Type: KL-SH-D800-100W-WH

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: $T_c=2028K$ ($duv=0.00166$)

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: $R_a=92.1$, $CRI=91.3$

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

$R5=94$

$R6=98$

$R7=88$

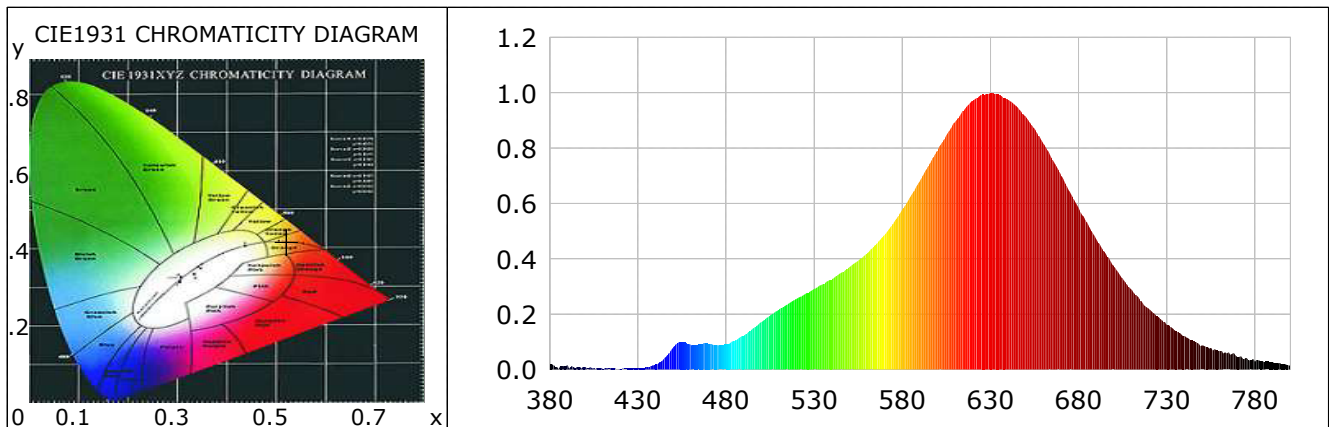
$R8=77$

$R9=57$ $R10=94$ $R11=97$ $R12=93$

$R13=94$

$R14=99$

$R15=86$



Photometric Parameters

Luminous Flux: 4354.29 lm

Efficiency: 86.86 lm/W

Radiant Power: 9.058 W

Electric Parameters

Voltage: 24.00V

Current: 2.0887A

Power: 50.13W

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: 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: 2025-08-16 11:11:54

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SH-D800-100W-WH

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: $T_c=3907K$ ($duv=-0.00721$)

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: $R_a=95.1$, $CRI=94.1$

$R1=96$ $R2=96$ $R3=98$ $R4=99$

$R5=96$

$R6=93$

$R7=95$

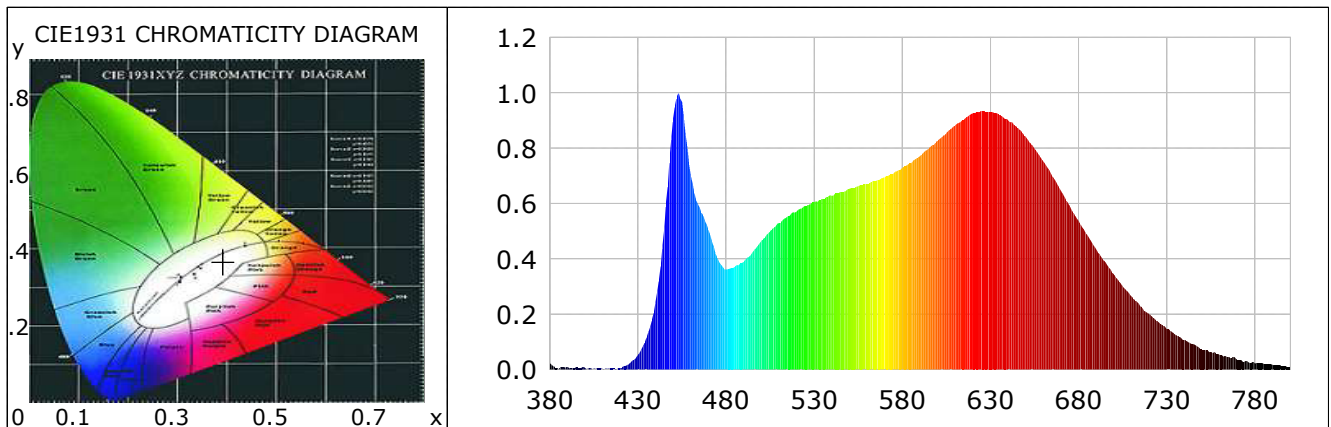
$R8=97$

$R9=95$ $R10=94$ $R11=96$ $R12=79$

$R13=95$

$R14=99$

$R15=96$



Photometric Parameters

Luminous Flux: 9953.95 lm

Efficiency: 98.73 lm/W

Radiant Power: 18.684 W

Electric Parameters

Voltage: 24.00V

Current: 4.2008A

Power: 100.82W

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: 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: 2025-08-16 11:12:47

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SH-D800-100W-WH

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: $T_c=6188K$ ($duv=0.00654$)

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: $R_a=92.3$, $CRI=90.3$

$R1=94$ $R2=94$ $R3=89$ $R4=93$

$R5=90$

$R6=87$

$R7=97$

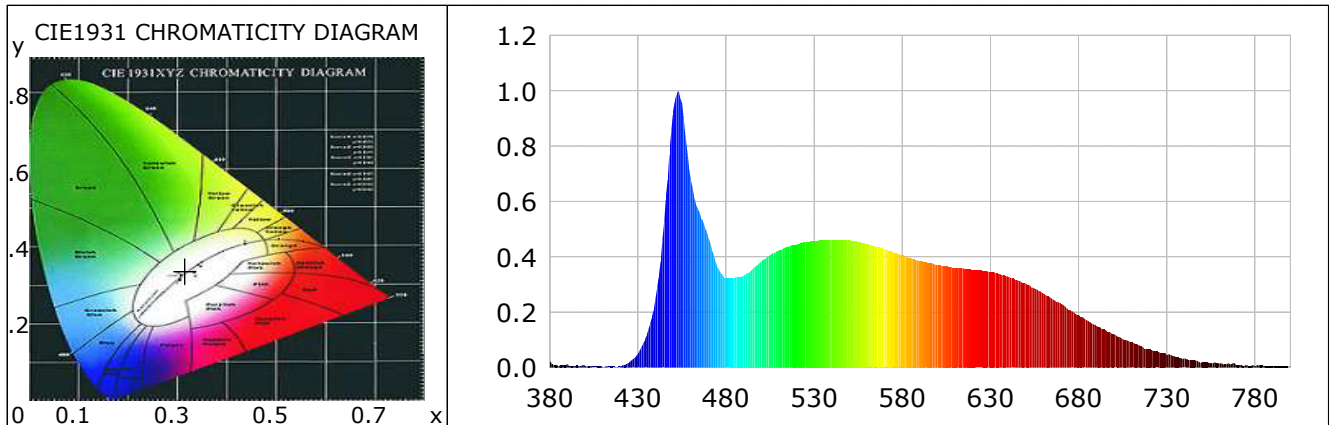
$R8=95$

$R9=91$ $R10=82$ $R11=96$ $R12=55$

$R13=95$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 5418.28 lm

Efficiency: 108.02 lm/W

Radiant Power: 9.569 W

Electric Parameters

Voltage: 24.00V

Current: 2.0900A

Power: 50.16W

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: 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: 2025-08-16 11:13:50

Inspector: