

Lightsource Test Report

Product Information

Product Type: KL-SD-D73-18W-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: $T_c=2098K$ ($duv=0.00185$)

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: $R_a=92.2$, $CRI=90.3$

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

$R5=94$

$R6=98$

$R7=88$

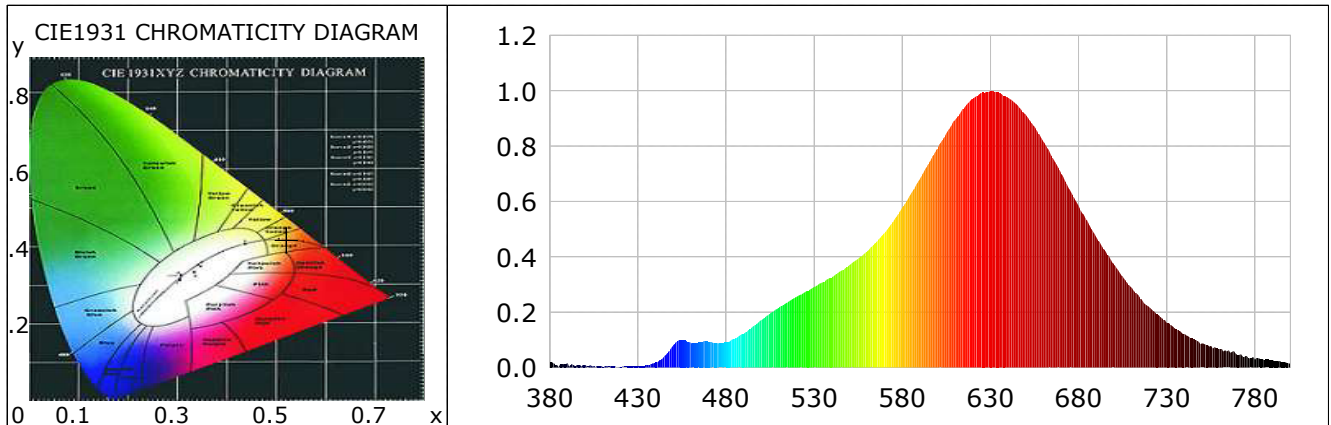
$R8=77$

$R9=54$ $R10=94$ $R11=97$ $R12=93$

$R13=94$

$R14=99$

$R15=86$



Photometric Parameters

Luminous Flux: 710.21 lm

Efficiency: 80.16 lm/W

Radiant Power: 3.058 W

Electric Parameters

Voltage: 24.00V

Current: 0.3690A

Power: 8.86W

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: 2025-06-20 10:10:54

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SD-D73-18W-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: $T_c=3999K$ ($duv=-0.00731$)

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: $R_a=96.2$, $CRI=95.1$

$R1=96$

$R2=96$

$R3=98$

$R4=99$

$R5=96$

$R6=93$

$R7=95$

$R8=97$

$R9=97$

$R10=94$

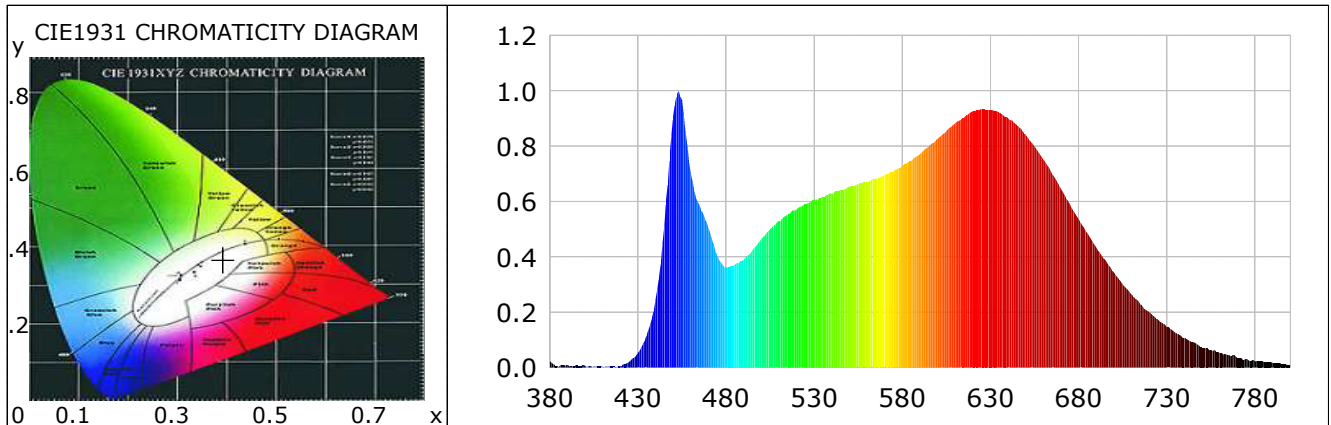
$R11=96$

$R12=79$

$R13=95$

$R14=99$

$R15=96$



Photometric Parameters

Luminous Flux: 1716.17 lm

Efficiency: 96.36 lm/W

Radiant Power: 6.685 W

Electric Parameters

Voltage: 24.00V

Current: 0.7420A

Power: 17.81W

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: 2025-06-20 10:11:47

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SD-D73-18W-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: $T_c=6119K$ ($duv=0.00661$)

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: $R_a=92.5$, $CRI=89.3$

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

$R5=90$

$R6=87$

$R7=97$

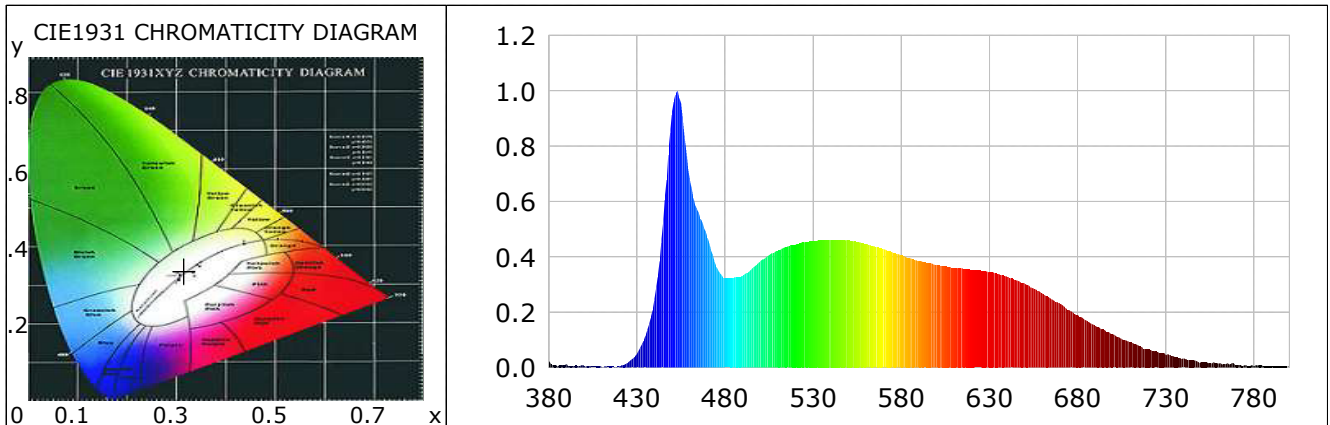
$R8=95$

$R9=86$ $R10=82$ $R11=96$ $R12=55$

$R13=95$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 940.48 lm

Efficiency: 106.03 lm/W

Radiant Power: 3.569 W

Electric Parameters

Voltage: 24.00V

Current: 0.3740A

Power: 8.87W

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: 2025-06-20 10:09:50

Inspector: