

Lightsource Test Report

Product Information

Product Spec: KL-D55-18W-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: $T_c=2027K$ ($duv=0.00184$)

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: $R_a=91.8$, $CRI=90.1$

$R1=93$

$R2=97$

$R3=98$

$R4=93$

$R5=94$

$R6=98$

$R7=88$

$R8=77$

$R9=58$

$R10=94$

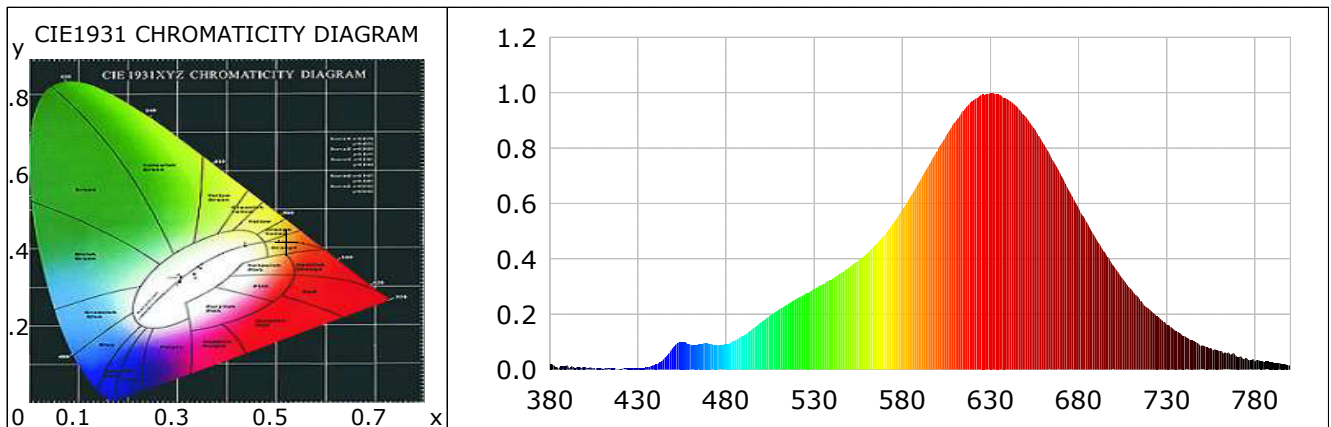
$R11=97$

$R12=93$

$R13=94$

$R14=99$

$R15=86$



Photometric Parameters

Luminous Flux: 776.66 lm

Efficiency: 87.66 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: 2025-08-18 16:10:54

Inspector:

Lightsource Test Report

Product Information

Product Spec: KL-D55-18W-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: $T_c=3922K$ ($duv=-0.00733$)

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

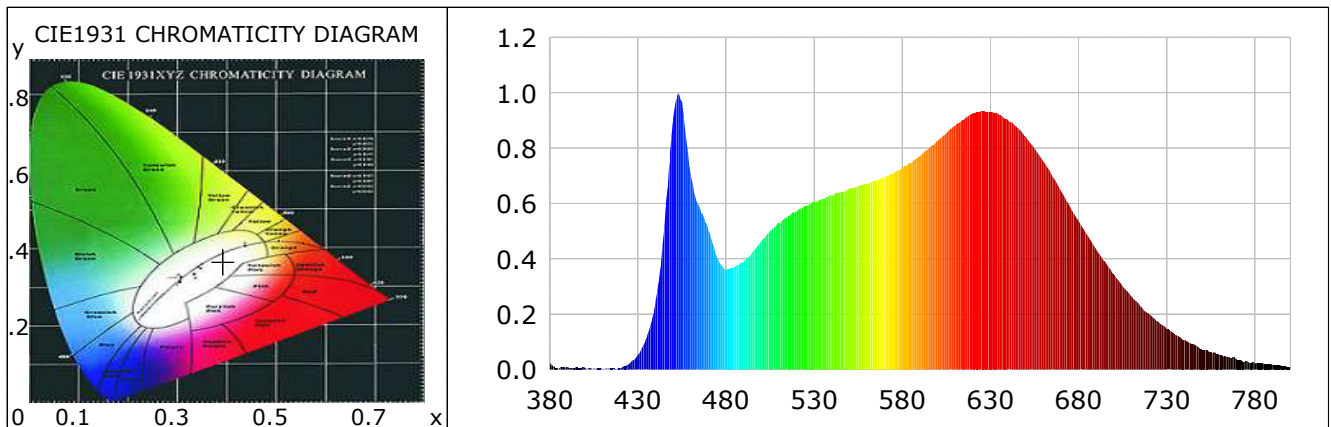
R11=96

R12=79

R13=95

R14=99

R15=96



Photometric Parameters

Luminous Flux: 1770.16 lm

Efficiency: 99.28 lm/W

Radiant Power: 6.686 W

Electric Parameters

Voltage: 24.00V

Current: 0.7429A

Power: 17.83W

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: 2025-08-18 16:12:41

Inspector:

Lightsource Test Report

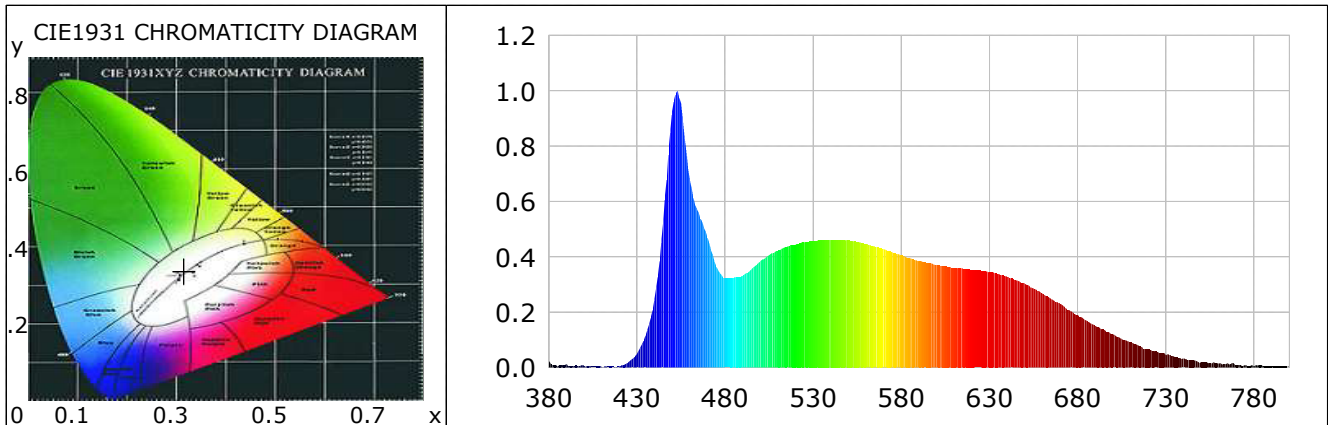
Product Information

Product Spec: KL-D55-18W-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: $T_c=6211K$ ($duv=0.00663$) 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: $R_a=92.5$, $CRI=89.3$
 $R1=94$ $R2=94$ $R3=89$ $R4=93$ $R5=90$ $R6=87$ $R7=97$ $R8=95$
 $R9=92$ $R10=82$ $R11=96$ $R12=55$ $R13=95$ $R14=94$ $R15=93$



Photometric Parameters

Luminous Flux: 1077.40 lm

Efficiency: 109.16 lm/W

Radiant Power: 3.569 W

Electric Parameters

Voltage: 24.00V

Current: 0.3737A

Power: 8.97W

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: 2025-08-18 16:13:50

Inspector: