

Lightsource Test Report

Product Information

Product Type: KL-WL205S-18W-BK

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5154$ $y=0.4191$ $u(u')=0.2946$ $v=0.3593$ $v'=0.5390$

CCT: $T_c=2135K$ ($duv=0.00135$)

Color Ratio: $R=0.331$ $G=0.654$ $B=0.015$

Peak Wavelength: 635.6nm

Half Bandwidth: 115.8nm

Dominant Wavelength: 587.6nm

Color Purity: 0.825

Color Render Index: $R_a=94.7$, $CRI=93.9$

$R1=94$

$R2=96$

$R3=99$

$R4=95$

$R5=94$

$R6=98$

$R7=90$

$R8=82$

$R9=64$

$R10=94$

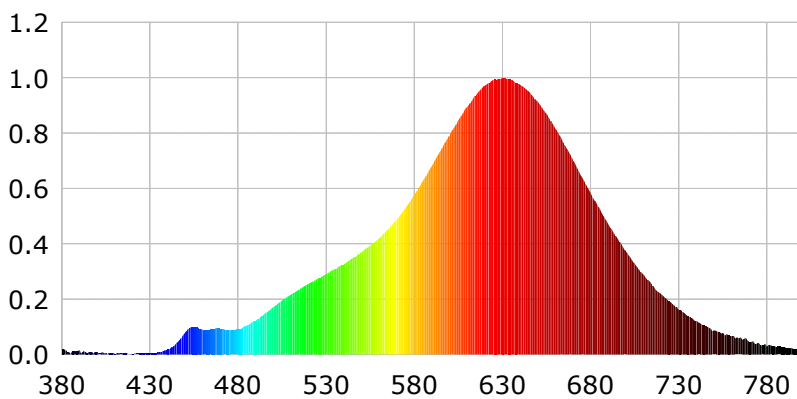
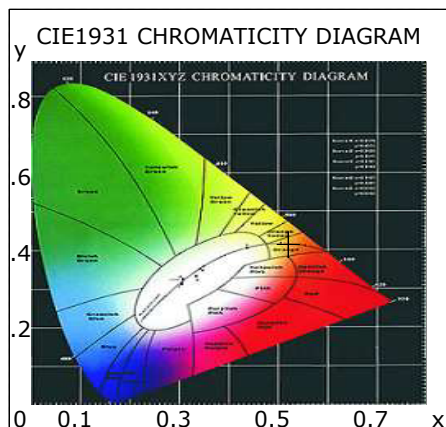
$R11=99$

$R12=94$

$R13=95$

$R14=98$

$R15=89$



Photometric Parameters

Luminous Flux: 686.62 lm

Efficiency: 74.31 lm/W

Radiant Power: 3.086 W

Electric Parameters

Voltage: 24.00V

Current: 0.3850A

Power: 9.24W

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: 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: 2025-12-29 09:20:51

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-WL205S-18W-BK

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3963$ $y=0.3659$ $u(u')=0.2335$ $v=0.3317$ $v'=0.4976$

CCT: $T_c=3754K$ ($duv=-0.00679$)

Color Ratio: $R=0.226$ $G=0.730$ $B=0.044$

Peak Wavelength: 450nm

Half Bandwidth: 25.6nm

Dominant Wavelength: 584.5nm

Color Purity: 0.284

Color Render Index: $R_a=94.1$, $CRI=92.8$

$R1=92$ $R2=96$ $R3=92$ $R4=99$

$R5=96$

$R6=93$

$R7=95$

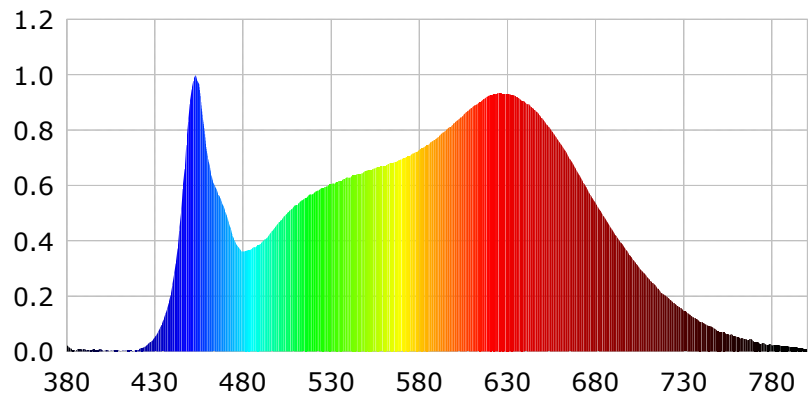
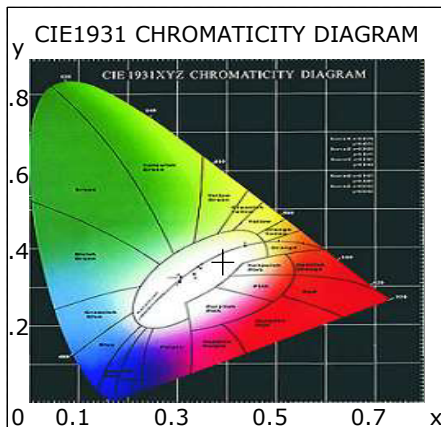
$R8=94$

$R9=91$ $R10=96$ $R11=83$ $R12=82$

$R13=95$

$R14=94$

$R15=92$



Photometric Parameters

Luminous Flux: 1642.01 lm

Efficiency: 89.24 lm/W

Radiant Power: 6.692 W

Electric Parameters

Voltage: 24.00V

Current: 0.7666A

Power: 18.40W

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: 2025-12-29 09:21:22

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-WL205S-18W-BK

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3146$ $y=0.3369$ $u(u')=0.1962$ $v=0.3186$ $v'=0.4728$

CCT: $T_c=6354K$ ($duv=0.00624$)

Color Ratio: $R=0.147$ $G=0.788$ $B=0.065$

Peak Wavelength: 450nm

Half Bandwidth: 23.9nm

Dominant Wavelength: 495.2nm

Color Purity: 0.059

Color Render Index: $R_a=93.5$, $CRI=92.6$

$R1=98$ $R2=93$ $R3=87$ $R4=91$

$R5=90$

$R6=88$

$R7=94$

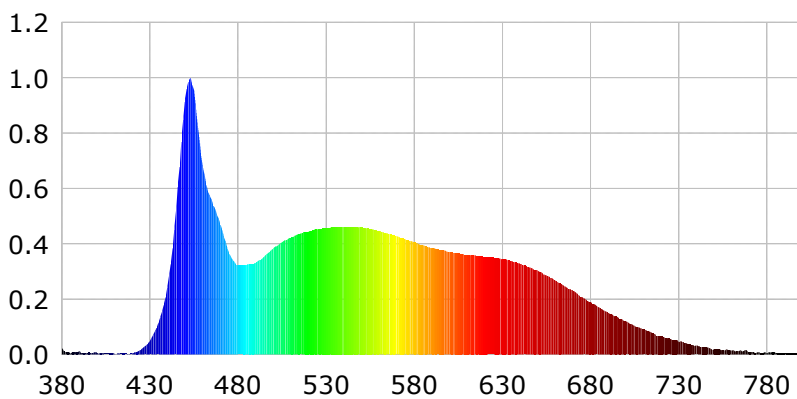
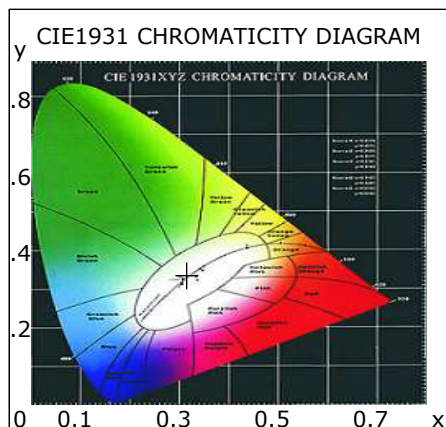
$R8=94$

$R9=81$ $R10=82$ $R11=86$ $R12=65$

$R13=95$

$R14=91$

$R15=95$



Photometric Parameters

Luminous Flux: 952.11 lm

Efficiency: 104.17 lm/W

Radiant Power: 3.673 W

Electric Parameters

Voltage: 24.00V

Current: 0.3808A

Power: 9.14W

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: 2025-12-29 09:19:48

Inspector: