

Lightsource Test Report

Product Information

Product Type: KL-SD-D113-30W-WH

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5179$ $y=0.4164$ $u(u')=0.2924$ $v=0.3581$ $v'=0.5372$

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: $R_a=92.8$, $CRI=90.7$

$R1=98$ $R2=96$ $R3=98$ $R4=93$

$R5=94$

$R6=98$

$R7=88$

$R8=80$

$R9=55$

$R10=91$

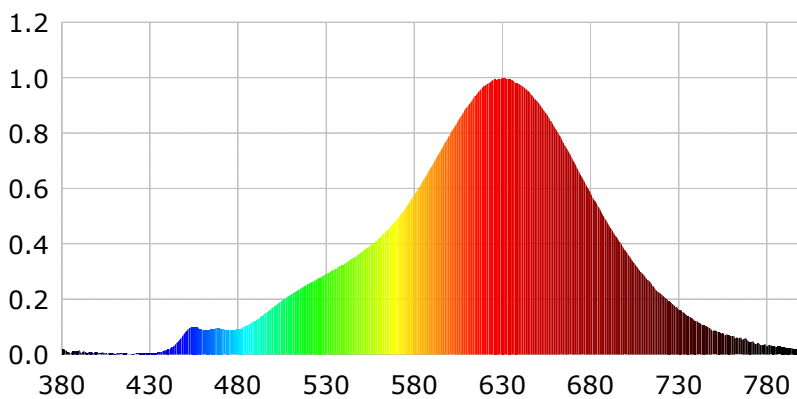
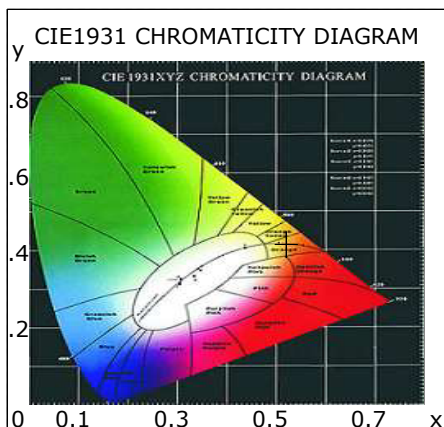
$R11=97$

$R12=88$

$R13=96$

$R14=99$

$R15=90$



Photometric Parameters

Luminous Flux: 1169.78 lm

Efficiency: 78.09 lm/W

Radiant Power: 3.621 W

Electric Parameters

Voltage: 24.00V

Current: 0.6241A

Power: 14.98W

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 11:30:54

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SD-D113-30W-WH

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3871$ $y=0.3666$ $u(u')=0.2312$ $v=0.3319$ $v'=0.4919$

CCT: $T_c=3935K$ ($duv=-0.00879$)

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: $R_a=92.3$, $CRI=91.9$

$R1=90$

$R2=90$

$R3=95$

$R4=94$

$R5=89$

$R6=93$

$R7=95$

$R8=97$

$R9=90$

$R10=83$

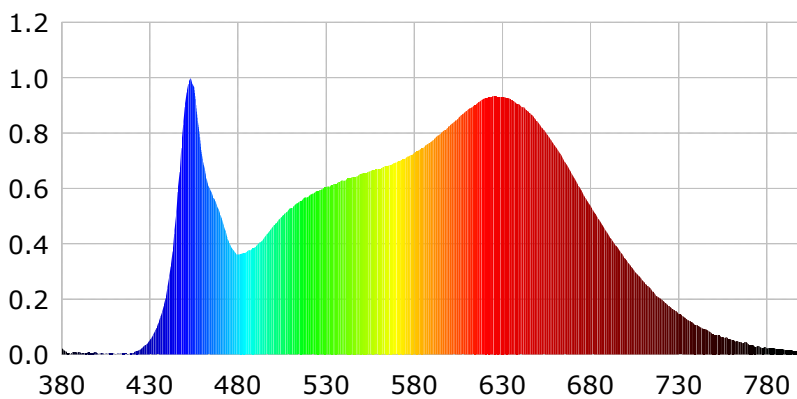
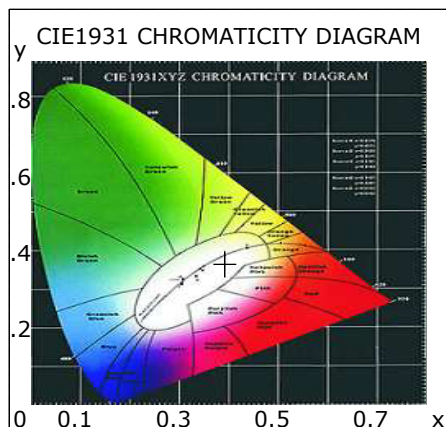
$R11=89$

$R12=76$

$R13=88$

$R14=99$

$R15=90$



Photometric Parameters

Luminous Flux: 2835.68 lm

Efficiency: 94.46 lm/W

Radiant Power: 8.619 W

Electric Parameters

Voltage: 24.00V

Current: 1.2508A

Power: 30.02W

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 11:31:47

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SD-D113-30W-WH

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3075$ $y=0.3251$ $u(u')=0.1957$ $v=0.3157$ $v'=0.4655$

CCT: $T_c=6432K$ ($duv=0.00383$)

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: $R_a=94.3$, $CRI=91.0$

$R1=95$ $R2=98$ $R3=96$ $R4=90$

$R5=92$

$R6=94$

$R7=97$

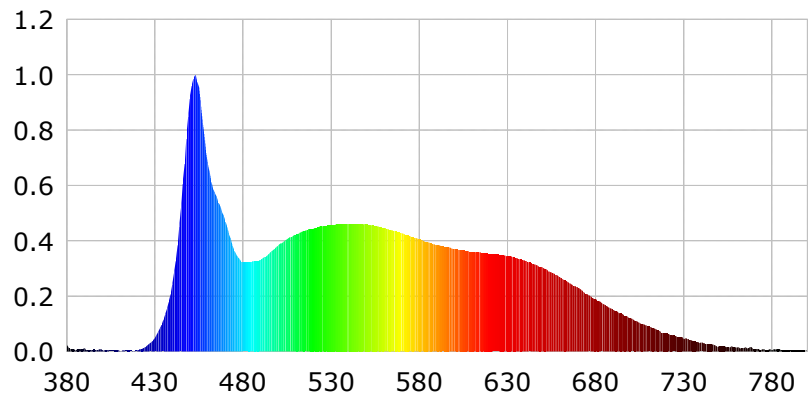
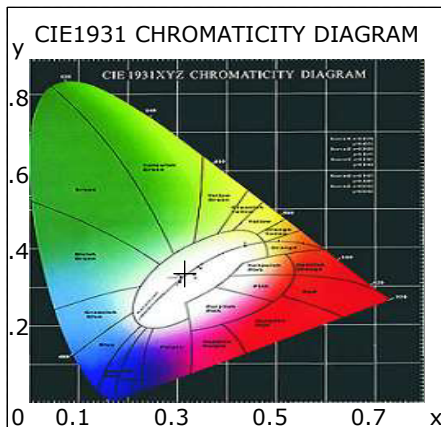
$R8=88$

$R9=81$ $R10=98$ $R11=94$ $R12=67$

$R13=98$

$R14=98$

$R15=92$



Photometric Parameters

Luminous Flux: 1546.75 lm

Efficiency: 102.98 lm/W

Radiant Power: 5.016 W

Electric Parameters

Voltage: 24.00V

Current: 0.6258A

Power: 15.02W

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 11:29:50

Inspector: