

Lightsource Test Report

Product Information

Product Type: KL-CL-D400-UAD-67W-BK

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: $T_c=2098K$ ($duv=0.00106$)

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

Peak Wavelength: 641nm

Half Bandwidth: 115.8nm

Dominant Wavelength: 587.6nm

Color Purity: 0.825

Color Render Index: $R_a=94.1$, $CRI=93.5$

$R1=93$

$R2=97$

$R3=98$

$R4=94$

$R5=94$

$R6=98$

$R7=88$

$R8=81$

$R9=63$

$R10=94$

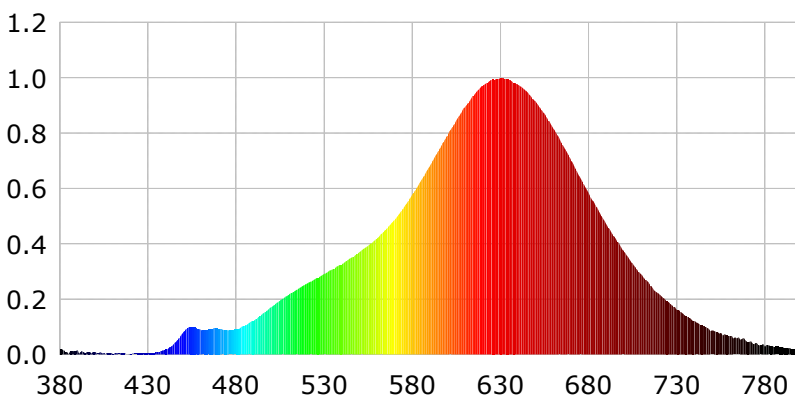
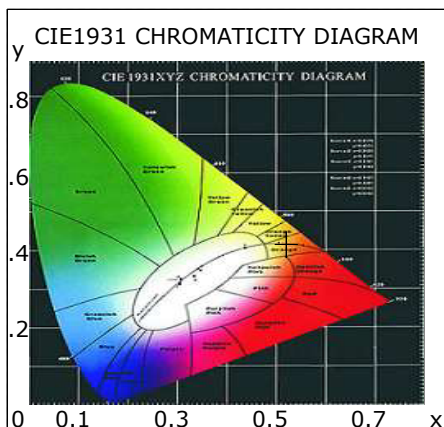
$R11=97$

$R12=94$

$R13=95$

$R14=99$

$R15=88$



Photometric Parameters

Luminous Flux: 2549.16 lm

Efficiency: 76.14 lm/W

Radiant Power: 9.0297 W

Electric Parameters

Voltage: 24.00V

Current: 1.3950A

Power: 33.48W

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: 2025-11-25 10:03:22

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-CL-D400-UAD-67W-BK

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: $T_c=3563K$ ($duv=-0.00990$)

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

Peak Wavelength: 451nm

Half Bandwidth: 25.6nm

Dominant Wavelength: 584.5nm

Color Purity: 0.284

Color Render Index: $R_a=94.0$, $CRI=92.5$

$R1=91$ $R2=95$ $R3=90$ $R4=99$

$R5=96$

$R6=93$

$R7=95$

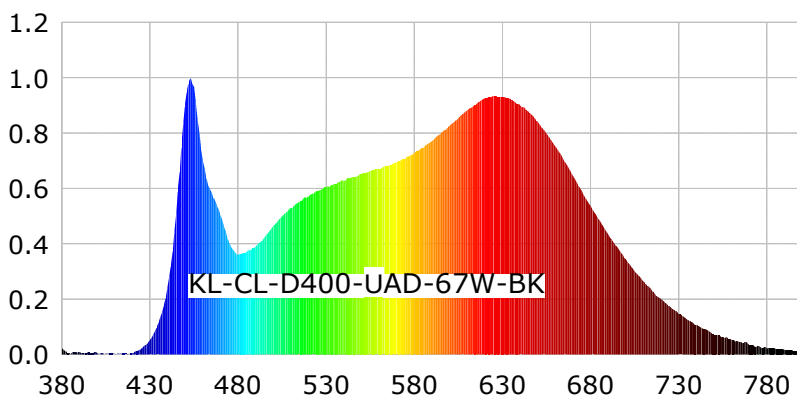
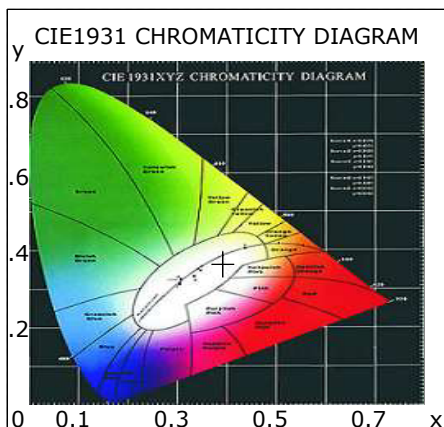
$R8=96$

$R9=90$ $R10=93$ $R11=96$ $R12=83$

$R13=95$

$R14=96$

$R15=92$



Photometric Parameters

Luminous Flux: 5874.92 lm

Efficiency: 87.62 lm/

Radiant Power: 14.986 W

Electric Parameters

Voltage: 24.00V

Current: 2.7937A

Power: 67.05W

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: 2025-11-25 10:06:12

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-CL-D400-UAD-67W-BK

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: $T_c=6154K$ ($duv=0.00173$)

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

Peak Wavelength: 451nm

Half Bandwidth: 23.9nm

Dominant Wavelength: 495.2nm

Color Purity: 0.059

Color Render Index: $R_a=93.3$, $CRI=91.3$

$R1=97$

$R2=94$

$R3=88$

$R4=93$

$R5=90$

$R6=87$

$R7=97$

$R8=95$

$R9=89$

$R10=88$

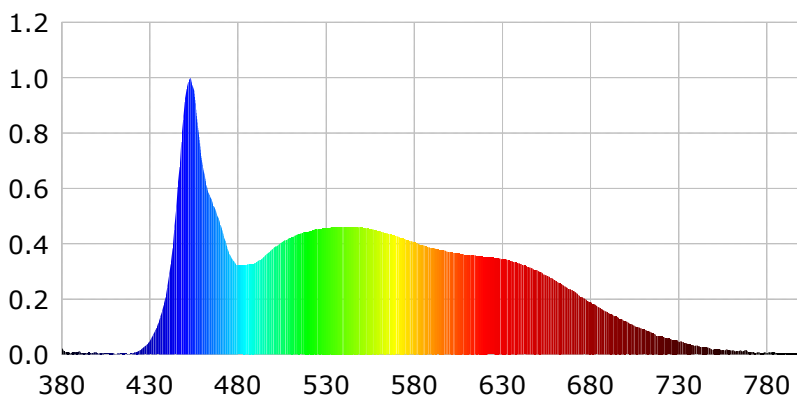
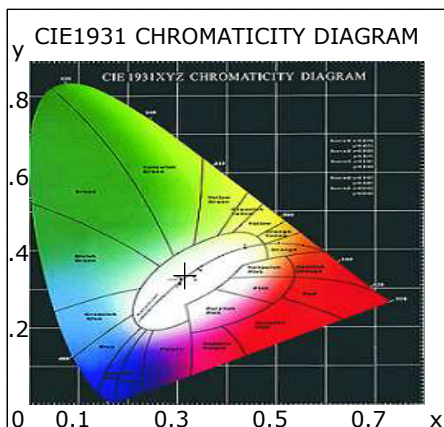
$R11=87$

$R12=70$

$R13=95$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 3238.78 lm

Efficiency: 96.68 lm/W

Radiant Power: 12.570 W

Electric Parameters

Voltage: 24.00V

Current: 1.3958A

Power: 33.50W

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: 2025-11-25 10:11:27

Inspector: