

Lightsource Test Report

Product Information

Product Category: KL-SD-D96-15W-BK

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5292$ $y=0.4215$ $u(u')=0.3024$ $v=0.3613$ $v'=0.5420$

CCT: $T_c=2121K$ ($duv=0.00229$)

Color Ratio: $R=0.341$ $G=0.646$ $B=0.013$

Peak Wavelength: 636nm

Half Bandwidth: 113.6nm

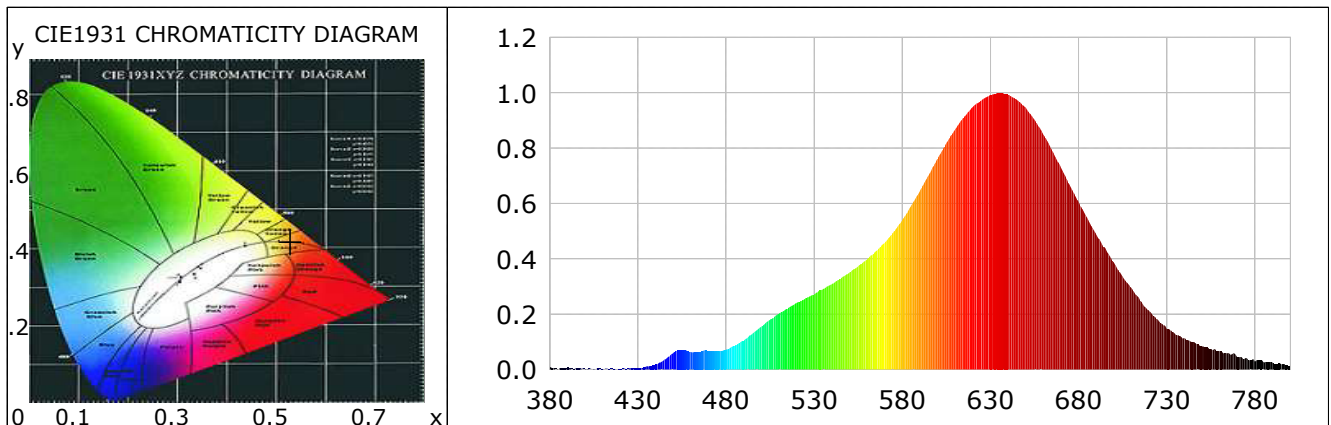
Dominant Wavelength: 587.9nm

Color Purity: 0.854

Color Render Index: $R_a=93.8$, $CRI=91.1$

$R1=95$ $R2=98$ $R3=99$ $R4=96$ $R5=94$ $R6=98$ $R7=90$ $R8=82$

$R9=59$ $R10=93$ $R11=99$ $R12=95$ $R13=96$ $R14=98$ $R15=89$



Photometric Parameters

Luminous Flux: 628.72 lm

Efficiency: 84.62 lm/W

Radiant Power: 2.957 W

Electric Parameters

Voltage: 24.00V

Current: 0.3095A

Power: 7.43W

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, 4π

Max of Signal: 44383 (5472)

CCD Integration Time: 765.56 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: 2026-03-13 09:52:21

Inspector:

Lightsource Test Report

Product Information

Product Category: KL-SD-D96-15W-BK

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4033$ $y=0.3742$ $u(u')=0.2414$ $v=0.3359$ $v'=0.5039$

CCT: $T_c=3879K$ ($duv=-0.00690$)

Color Ratio: $R=0.237$ $G=0.720$ $B=0.043$

Peak Wavelength: 631nm

Half Bandwidth: 180.3nm

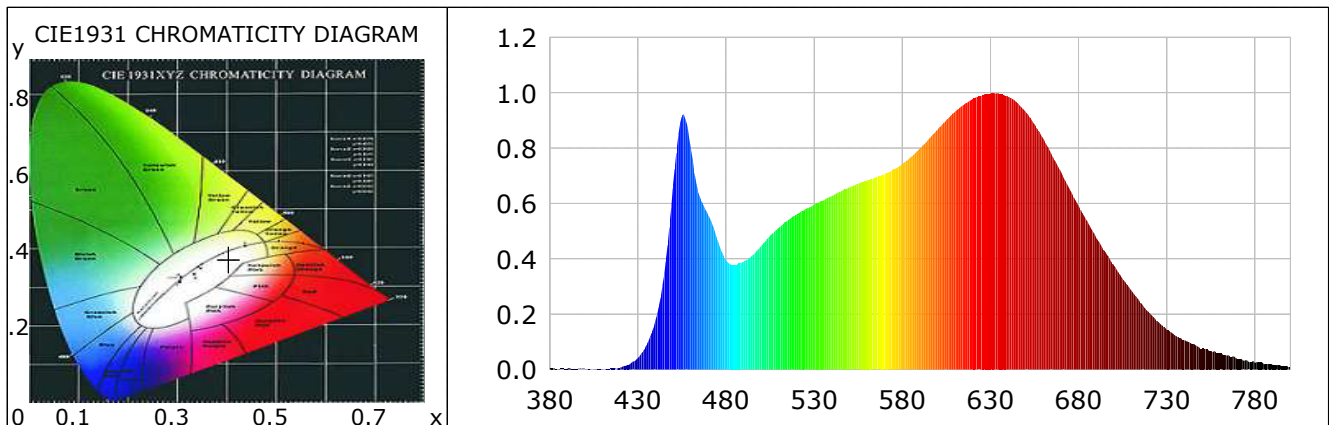
Dominant Wavelength: 584.8nm

Color Purity: 0.334

Color Render Index: $R_a=94.7$, $CRI=91.3$

$R1=96$ $R2=94$ $R3=98$ $R4=98$ $R5=95$ $R6=93$ $R7=94$ $R8=88$

$R9=95$ $R10=93$ $R11=97$ $R12=80$ $R13=94$ $R14=99$ $R15=96$



Photometric Parameters

Luminous Flux: 1423.31 lm

Efficiency: 96.89 lm/W

Radiant Power: 8.114 W

Electric Parameters

Voltage: 24.00V

Current: 0.6120A

Power: 14.69W

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, 4π

Max of Signal: 44347 (5213)

CCD Integration Time: 503.09 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: 2026-03-13 09:54:03

Inspector:

Lightsource Test Report

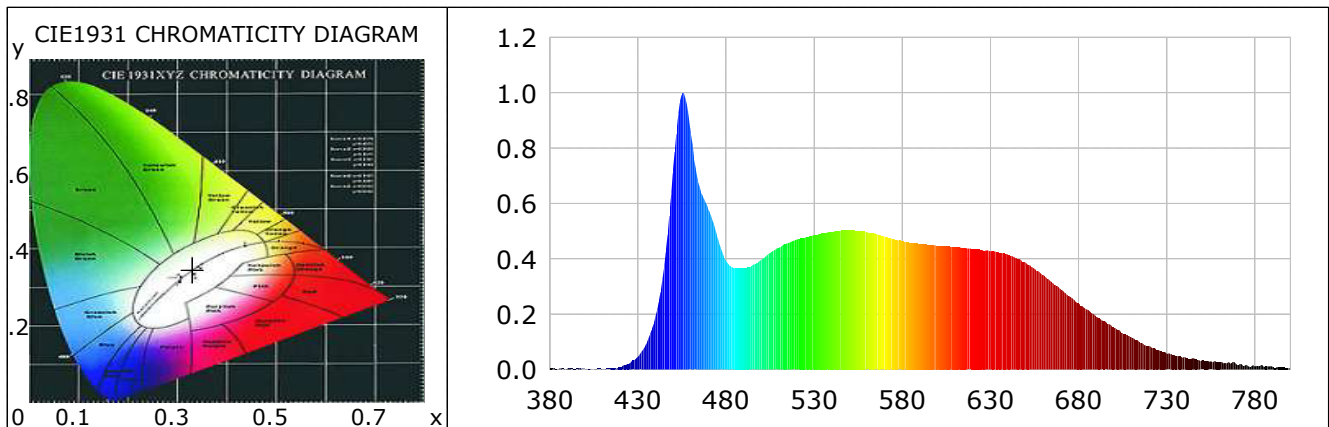
Product Information

Product Category: KL-SD-D96-15W-BK

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3298$ $y=0.3462$ $u(u')=0.2042$ $v=0.3208$ $v'=0.4803$
 CCT: $T_c=5987K$ ($duv=0.00449$) Color Ratio: $R=0.161$ $G=0.775$ $B=0.064$
 Peak Wavelength: 456nm Half Bandwidth: 27.2nm
 Dominant Wavelength: 541.2nm Color Purity: 0.034
 Color Render Index: $R_a=92.9$, $CRI=92.1$
 $R1=95$ $R2=96$ $R3=93$ $R4=90$ $R5=91$ $R6=91$ $R7=94$ $R8=93$
 $R9=94$ $R10=92$ $R11=93$ $R12=61$ $R13=98$ $R14=96$ $R15=96$



Photometric Parameters

Luminous Flux: 794.86 lm

Efficiency: 106.98 lm/W

Radiant Power: 3.223 W

Electric Parameters

Voltage: 24.00V

Current: 0.3095A

Power: 7.43W

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, 4π

Max of Signal: 43027 (5256)

CCD Integration Time: 503.09 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: 2026-03-13 09:56:51

Inspector: