

Lightsource Test Report

Product Information

Product Category: KL-RD-D88-15W-WH

Product Number: 2000K

Manufacturer:

CIE Colorimetric Parameters

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

CCT: $T_c=2098K$ ($duv=0.00239$)

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: $R_a=93.6$, $CRI=92.1$

$R1=94$ $R2=98$ $R3=98$ $R4=96$

$R5=94$

$R6=98$

$R7=90$

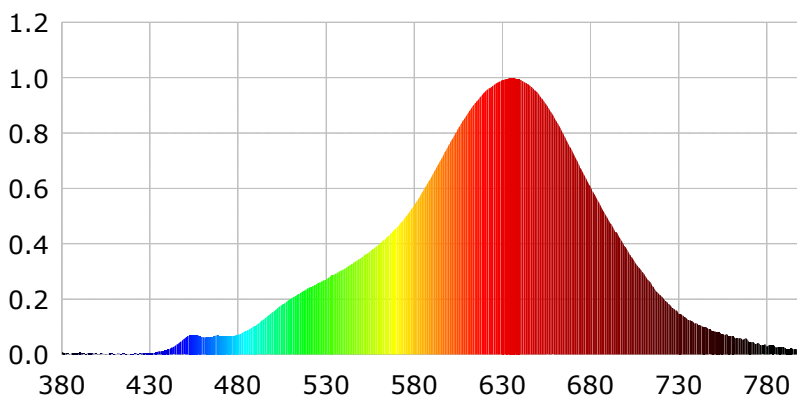
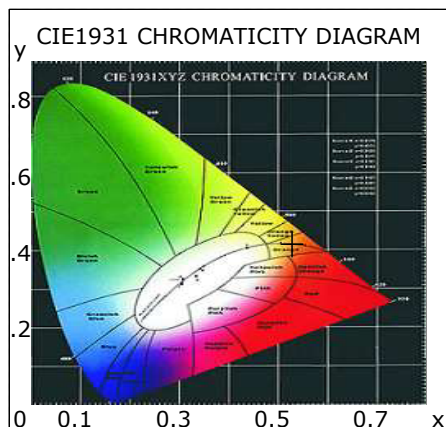
$R8=82$

$R9=59$ $R10=93$ $R11=98$ $R12=95$

$R13=95$

$R14=98$

$R15=89$



Photometric Parameters

Luminous Flux: 629.65 lm

Efficiency: 83.62 lm/W

Radiant Power: 2.987 W

Electric Parameters

Voltage: 24.00V

Current: 0.3137A

Power: 7.53W

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: 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: 2025-10-20 09:22:21

Inspector:

Lightsource Test Report

Product Information

Product Category: KL-RD-D88-15W-WH

Product Number: 4000K

Manufacturer:

CIE Colorimetric Parameters

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

CCT: $T_c=3866K$ ($duv=-0.00687$)

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: $R_a=94.8$, $CRI=91.1$

$R1=95$ $R2=94$ $R3=98$ $R4=98$

$R5=95$

$R6=91$

$R7=94$

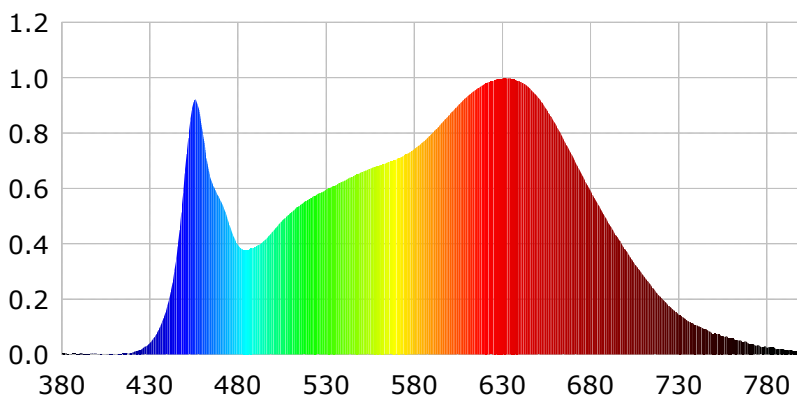
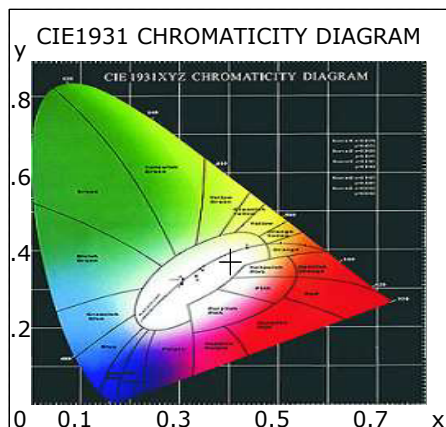
$R8=88$

$R9=96$ $R10=91$ $R11=97$ $R12=79$

$R13=94$

$R14=99$

$R15=95$



Photometric Parameters

Luminous Flux: 1443.14 lm

Efficiency: 95.89 lm/W

Radiant Power: 8.116 W

Electric Parameters

Voltage: 24.00V

Current: 0.6270A

Power: 15.05W

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: 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: 2025-10-20 09:24:03

Inspector:

Lightsource Test Report

Product Information

Product Category: KL-RD-D88-15W-WH

Product Number: 6000K

Manufacturer:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3301$ $y=0.3472$ $u(u')=0.2030$ $v=0.3202$ $v'=0.4803$

CCT: $T_c=5963K$ ($duv=0.00501$)

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: $R_a=93.1$, $CRI=92.3$

$R1=95$

$R2=96$

$R3=92$

$R4=90$

$R5=91$

$R6=91$

$R7=94$

$R8=93$

$R9=94$

$R10=90$

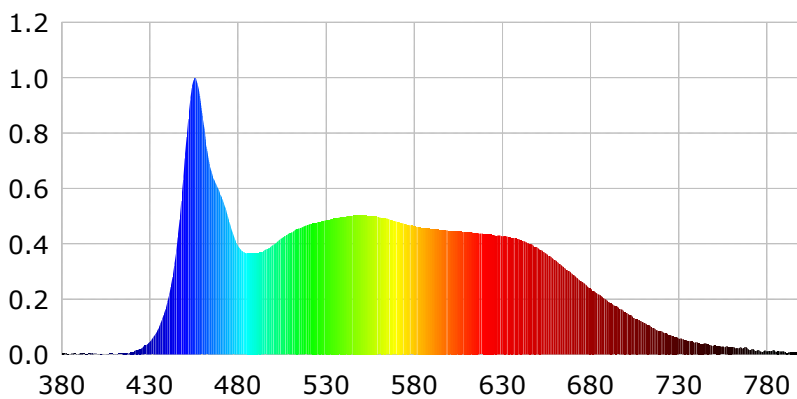
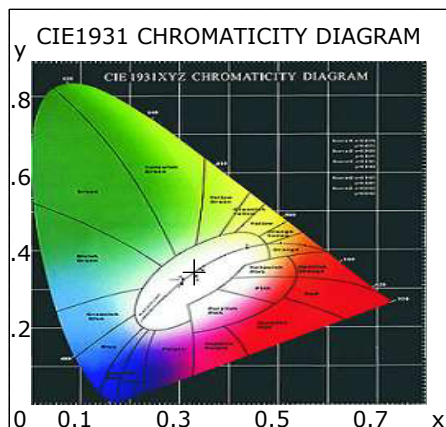
$R11=93$

$R12=59$

$R13=98$

$R14=96$

$R15=93$



Photometric Parameters

Luminous Flux: 799.70 lm

Efficiency: 106.77 lm/W

Radiant Power: 3.226 W

Electric Parameters

Voltage: 24.00V

Current: 0.3120A

Power: 7.49W

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: 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: 2025-10-20 09:26:51

Inspector: