

Lightsource Test Report

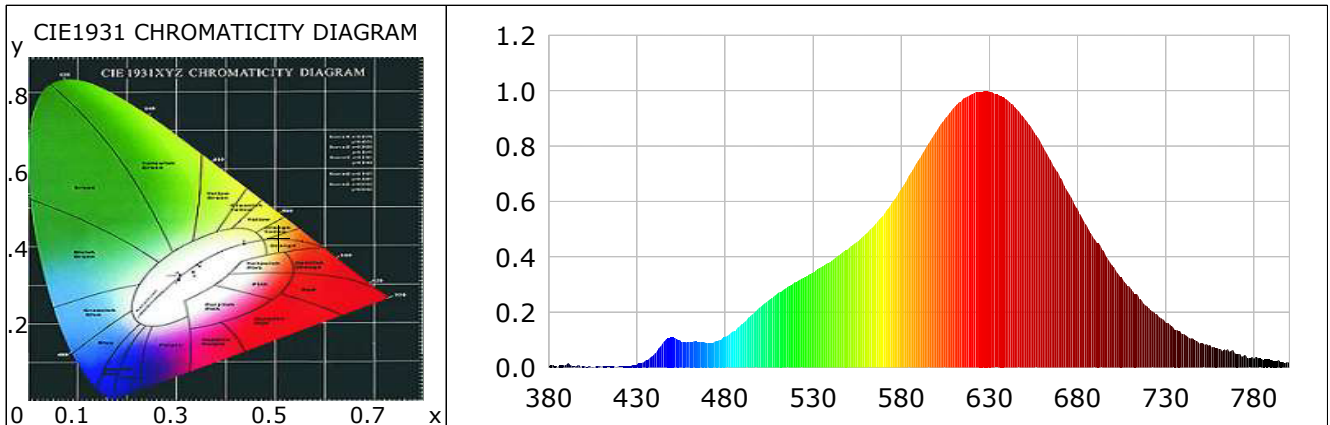
Product Information

Product Category: KL-SD-D82-12W-WH
Manufacturer:

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5075$ $y=0.4257$ $u(u')=0.2861$ $v=0.3601$ $v'=0.5401$
CCT: $T_c=2092K$ ($duv=0.00302$) Color Ratio: $R=0.307$ $G=0.677$ $B=0.017$
Peak Wavelength: 627nm Half Bandwidth: 123.8nm
Dominant Wavelength: 585.9nm Color Purity: 0.802
Color Render Index: $R_a=91.6$, $CRI=89.1$
 $R1=91$ $R2=96$ $R3=98$ $R4=92$ $R5=92$ $R6=99$ $R7=89$ $R8=76$
 $R9=50$ $R10=91$ $R11=95$ $R12=91$ $R13=92$ $R14=99$ $R15=84$



Photometric Parameters

Luminous Flux: 442.75 lm Efficiency: 72.11 lm/W Radiant Power: 1.772 W

Electric Parameters

Voltage: 24.00V Current: 0.2560A Power: 6.14W
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: 47307 (5573) CCD Integration Time: 1741.85 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: 2025-06-19 11:04:27
Inspector:

Lightsource Test Report

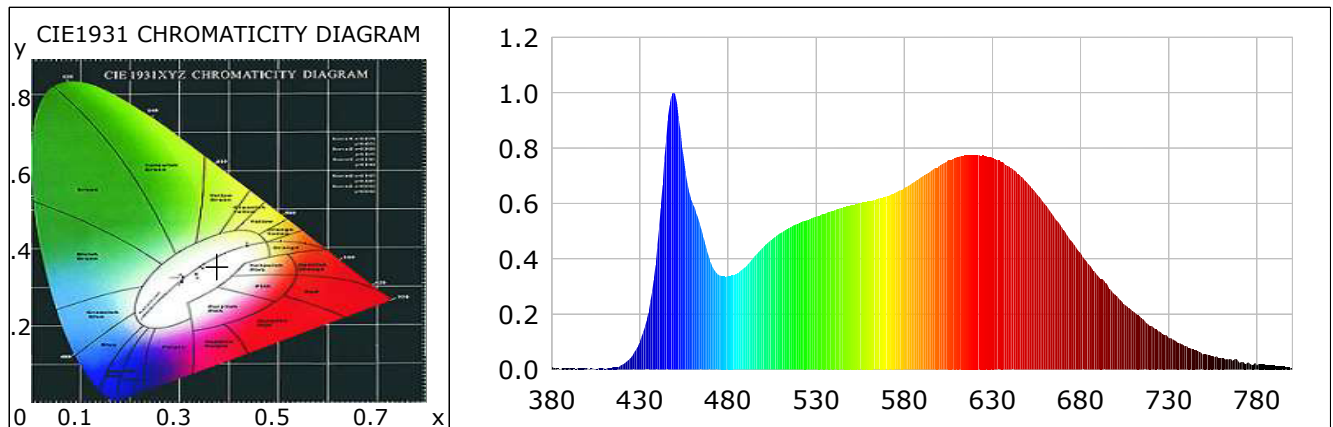
Product Information

Product Category: KL-SD-D82-12W-WH
Manufacturer: hot

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3766$ $y=0.3557$ $u(u')=0.2312$ $v=0.3276$ $v'=0.4914$
CCT: $T_c=3928K$ ($duv=-0.00906$) Color Ratio: $R=0.214$ $G=0.740$ $B=0.046$
Peak Wavelength: 449nm Half Bandwidth: 24.4nm
Dominant Wavelength: 586.2nm Color Purity: 0.197
Color Render Index: $R_a=96.3$, $CRI=95.2$
 $R1=97$ $R2=97$ $R3=97$ $R4=97$ $R5=98$ $R6=94$ $R7=95$ $R8=96$
 $R9=93$ $R10=96$ $R11=95$ $R12=82$ $R13=97$ $R14=98$ $R15=98$



Photometric Parameters

Luminous Flux: 1032.68 lm Efficiency: 84.37 lm/W Radiant Power: 4.020 W

Electric Parameters

Voltage: 24.00V Current: 0.5100A Power: 12.24W
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: 44950 (5120) CCD Integration Time: 784.38 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2025-06-19 11:05:16
Inspector:

Lightsource Test Report

Product Information

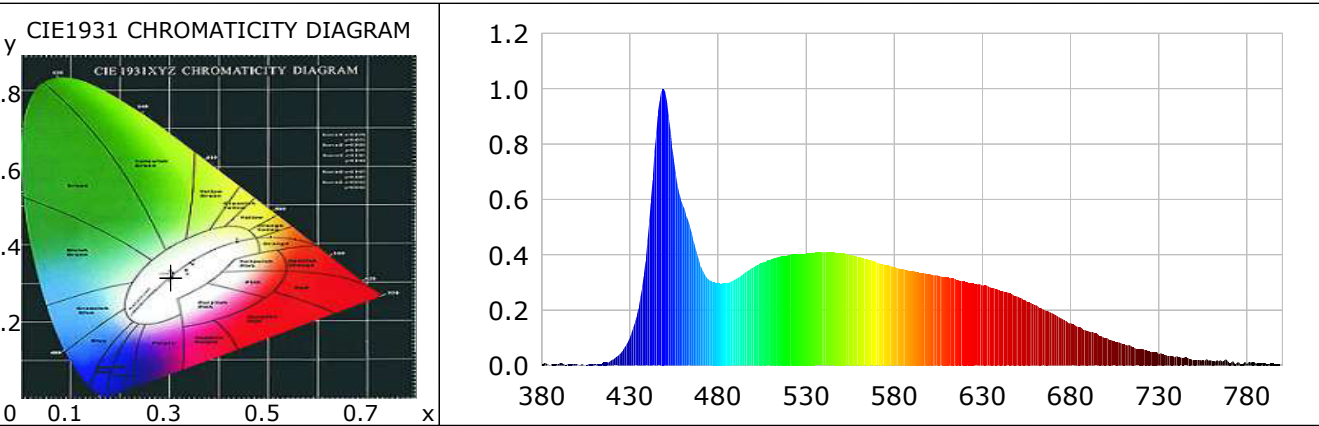
Product Category: KL-SD-D82-12W-WH
Manufacturer:

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3026$ $y=0.3167$ $u(u')=0.1954$ $v=0.3067$ $v'=0.4601$
CCT: $T_c=6128K$ ($duv=0.00202$) Color Ratio: $R=0.143$ $G=0.789$ $B=0.068$
Peak Wavelength: 449nm Half Bandwidth: 23.5nm
Dominant Wavelength: 484.4nm Color Purity: 0.117
Color Render Index: $R_a=93.3$, $CRI=90.6$

R1 =95	R2 =93	R3 =85	R4 =99	R5 =93	R6 =86	R7 =97	R8 =99
R9 =91	R10=80	R11=97	R12=60	R13=95	R14=92	R15=97	



Photometric Parameters

Luminous Flux: 603.19 lm Efficiency: 98.24 lm/W Radiant Power: 2.310 W

Electric Parameters

Voltage: 24.00V Current: 0.2560A Power: 6.14W
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, 4π
Max of Signal: 43187 (5179) CCD Integration Time: 784.38 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2025-06-19 11:06:11
Inspector: