

Lightsource Test Report

Product Information

Product Type: KL-CL-D170-24W-WH

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: $T_c=2078K$ ($duv=0.00251$)

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: $R_a=93.3$, $CRI=91.1$

$R1=94$ $R2=97$ $R3=99$ $R4=95$

$R5=95$

$R6=98$

$R7=90$

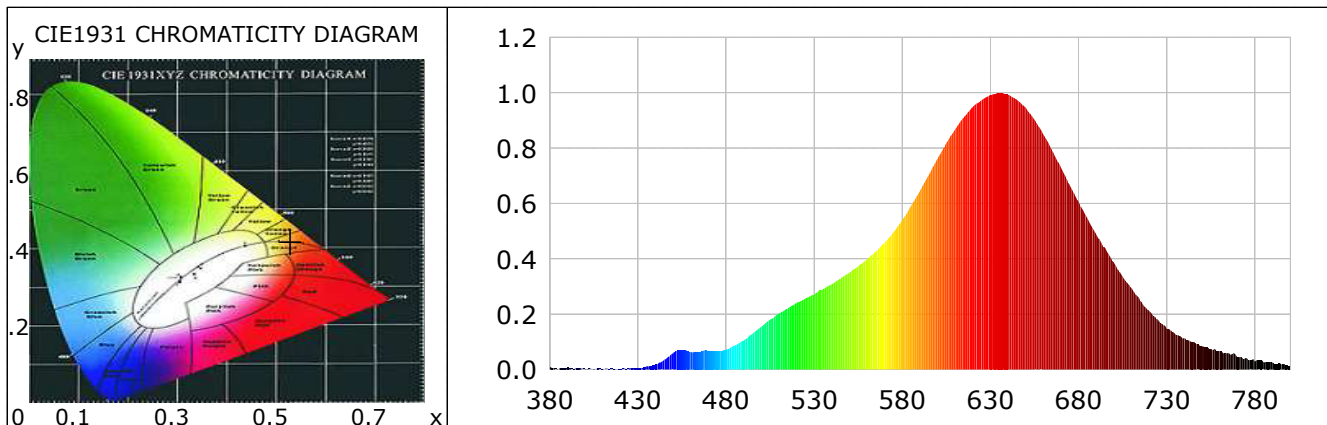
$R8=79$

$R9=58$ $R10=95$ $R11=98$ $R12=95$

$R13=95$

$R14=98$

$R15=88$



Photometric Parameters

Luminous Flux: 993.87

Efficiency: 79.32 lm/W

Radiant Power: 3.653 W

Electric Parameters

Voltage: 24.00V

Current: 0.5220A

Power: 12.53W

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: 2025-11-26 11:12:16

Inspector:

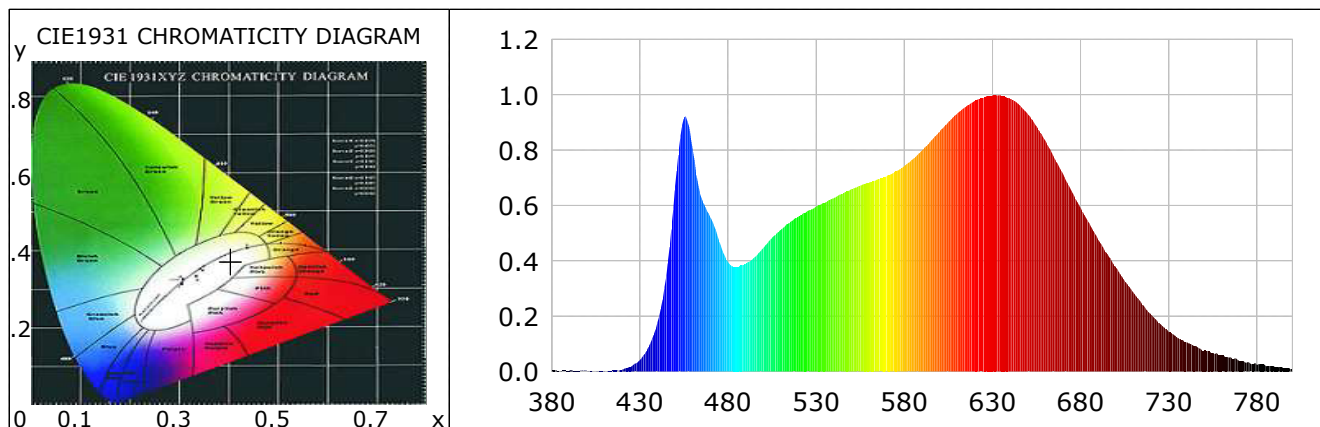
Lightsource Test Report

Product Information

Product Type: KL-CL-D170-24W-WH 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: $T_c=3592K$ ($duv=-0.00791$) 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: $R_a=93.1$, $CRI=92.2$
 $R1=95$ $R2=95$ $R3=97$ $R4=98$ $R5=95$ $R6=91$ $R7=94$ $R8=96$
 $R9=96$ $R10=91$ $R11=97$ $R12=78$ $R13=95$ $R14=99$ $R15=96$



Photometric Parameters

Luminous Flux: 2432.72 lm Efficiency: 98.79 lm/W Radiant Power: 7.411 W

Electric Parameters

Voltage: 24.00V Current: 1.0037A Power: 24.09W
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

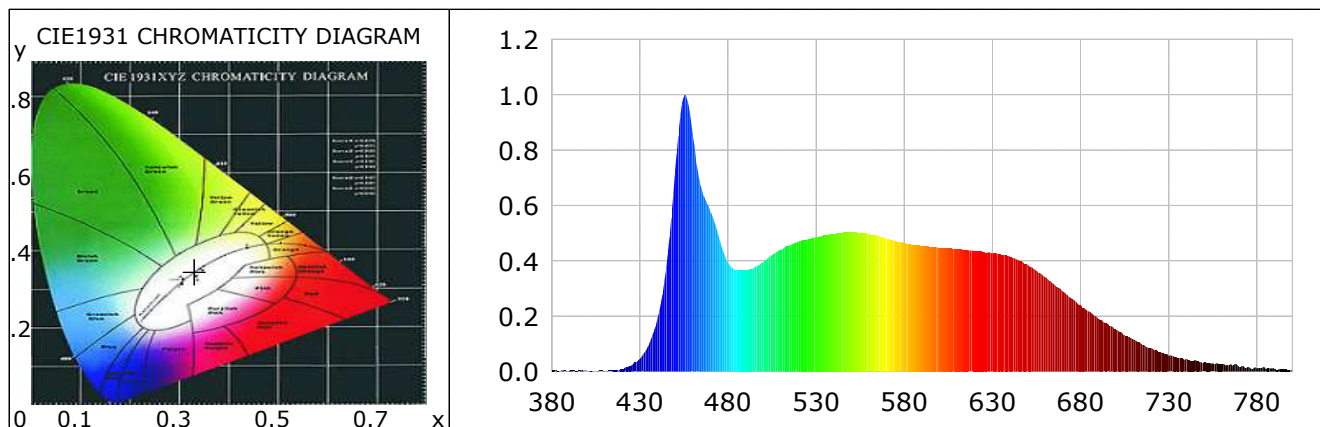
Lightsource Test Report

Product Information

Product Type: KL-CL-D170-24W-WH Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3301$ $y=0.3472$ $u(u')=0.2030$ $v=0.3202$ $v'=0.4803$
CCT: $T_c=5811K$ ($duv=0.00432$) 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: $R_a=92.9$, $CRI=91.4$
 $R1=96$ $R2=97$ $R3=92$ $R4=90$ $R5=91$ $R6=91$ $R7=95$ $R8=93$
 $R9=95$ $R10=88$ $R11=94$ $R12=66$ $R13=98$ $R14=95$ $R15=93$



Photometric Parameters

Luminous Flux: 1371.46 lm Efficiency: 108.76 lm/W Radiant Power: 4.219 W

Electric Parameters

Voltage: 24.00V Current: 0.5254A Power: 12.61W
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