

Lightsource Test Report

Product Information

Product Type: KL-SD-D105-20W-WH

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5085$ $y=0.4161$ $u(u')=0.2916$ $v=0.3601$ $v'=0.5401$

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: $R_a=93.2$, $CRI=90.9$

$R1=98$

$R2=96$

$R3=93$

$R4=97$

$R5=97$

$R6=88$

$R7=89$

$R8=79$

$R9=59$

$R10=94$

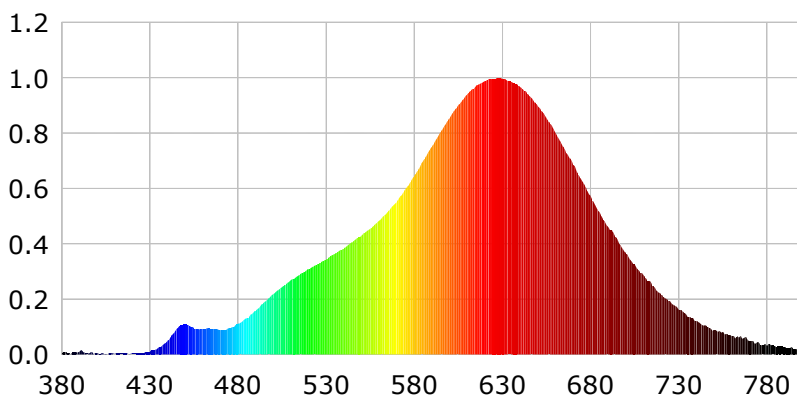
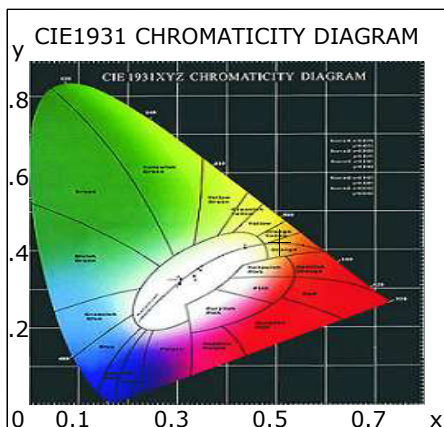
$R11=89$

$R12=84$

$R13=97$

$R14=97$

$R15=89$



Photometric Parameters

Luminous Flux: 707.61 lm

Efficiency: 70.20 lm/W

Radiant Power: 1.855 W

Electric Parameters

Voltage: 24.00V

Current: 0.4200A

Power: 10.08W

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

Lightsource Test Report

Product Information

Product Type: KL-SD-D105-20W-WH

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: $T_c=3978K$ ($duv=-0.00723$)

Color Ratio: $R=0.214$ $G=0.740$ $B=0.046$

Peak Wavelength: 451nm

Half Bandwidth: 24.4nm

Dominant Wavelength: 586.2nm

Color Purity: 0.197

Color Render Index: $R_a=95.0$, $CRI=94.1$

$R1=93$ $R2=94$ $R3=97$ $R4=95$

$R5=94$

$R6=90$

$R7=95$

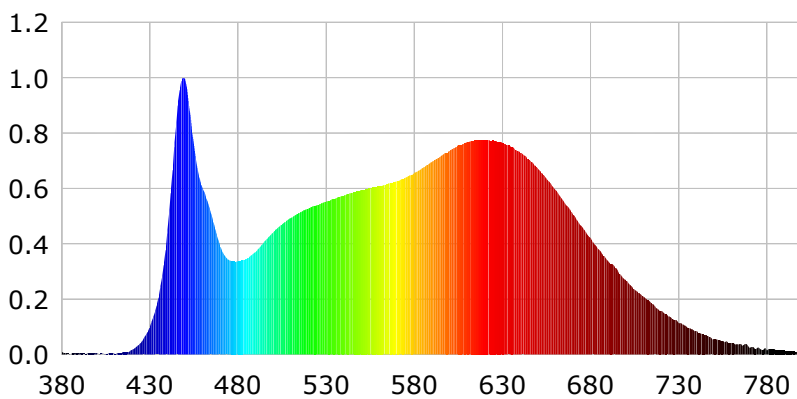
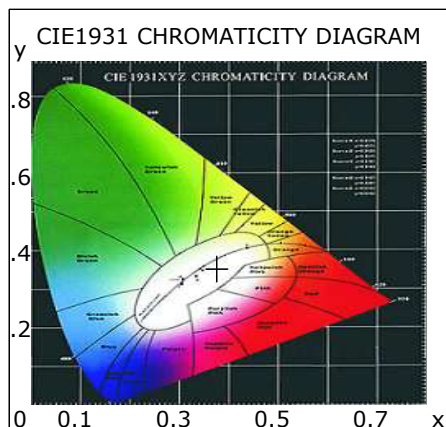
$R8=96$

$R9=93$ $R10=90$ $R11=91$ $R12=80$

$R13=93$

$R14=98$

$R15=95$



Photometric Parameters

Luminous Flux: 1662.46 lm

Efficiency: 83.29 lm/W

Radiant Power: 4.484 W

Electric Parameters

Voltage: 24.00V

Current: 0.8316A

Power: 19.96W

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: $T_x:0.0^{\circ}C$, $T_i:0.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2025-12-29 11:05:16

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SD-D105-20W-WH

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: $T_c=6428K$ ($duv=0.00498$)

Color Ratio: $R=0.143$ $G=0.789$ $B=0.068$

Peak Wavelength: 451nm

Half Bandwidth: 23.5nm

Dominant Wavelength: 484.4nm

Color Purity: 0.117

Color Render Index: $R_a=93.5$, $CRI=91.9$

$R1=93$

$R2=93$

$R3=96$

$R4=92$

$R5=93$

$R6=86$

$R7=97$

$R8=87$

$R9=90$

$R10=89$

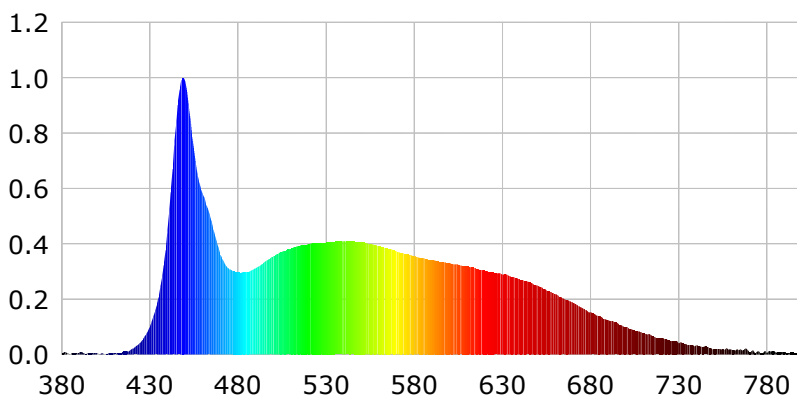
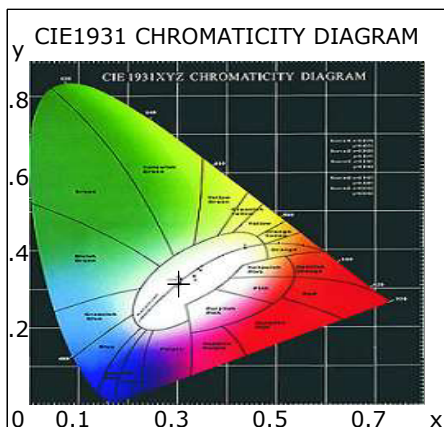
$R11=92$

$R12=68$

$R13=95$

$R14=92$

$R15=90$



Photometric Parameters

Luminous Flux: 983.13 lm

Efficiency: 97.34 lm/W

Radiant Power: 2.733 W

Electric Parameters

Voltage: 24.00V

Current: 0.4208A

Power: 10.10W

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: 43187 (5179)

CCD Integration Time: 784.38 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: 2025-12-29 11:06:11

Inspector: