

Lightsource Test Report

Product Information

Product Type: KL-D155-30W-WH

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5195$ $y=0.4212$ $u(u')=0.2962$ $v=0.3602$ $v'=0.5403$

CCT: $T_c=2111K$ ($duv=0.00208$)

Color Ratio: $R=0.331$ $G=0.654$ $B=0.015$

Peak Wavelength: 635nm

Half Bandwidth: 115.8nm

Dominant Wavelength: 587.6nm

Color Purity: 0.825

Color Render Index: $R_a=92.7$, $CRI=92.5$

$R1=92$ $R2=95$ $R3=98$ $R4=93$

$R5=92$

$R6=98$

$R7=90$

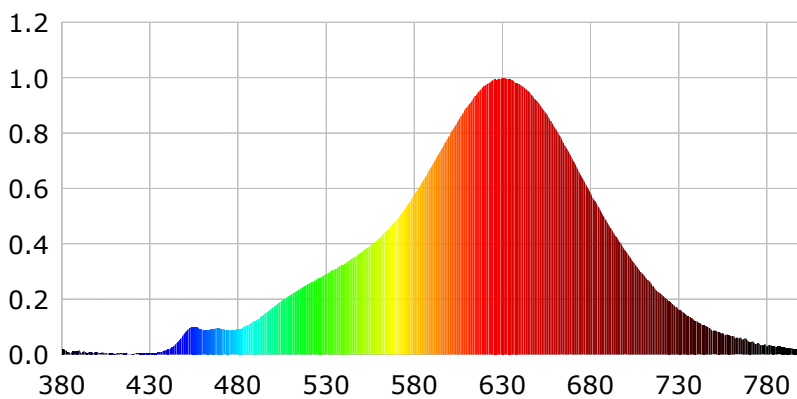
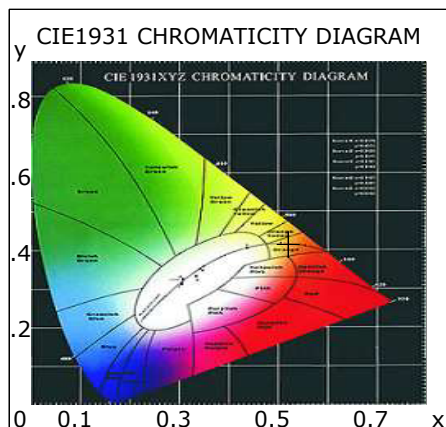
$R8=78$

$R9=55$ $R10=91$ $R11=95$ $R12=92$

$R13=94$

$R14=99$

$R15=85$



Photometric Parameters

Luminous Flux: 982.60 lm

Efficiency: 67.44 lm/W

Radiant Power: 5.058 W

Electric Parameters

Voltage: 24.00V

Current: 0.6070A

Power: 14.57W

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: 43069 (5427)

CCD Integration Time: 1340.17 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 10:16:11

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-D155-30W-WH

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3757$ $y=0.3562$ $u(u')=0.2304$ $v=0.3332$ $v'=0.4914$

CCT: $T_c=3975K$ ($duv=-0.00855$)

Color Ratio: $R=0.226$ $G=0.730$ $B=0.044$

Peak Wavelength: 450nm

Half Bandwidth: 25.6nm

Dominant Wavelength: 584.5nm

Color Purity: 0.284

Color Render Index: $R_a=94.1$, $CRI=90.1$

$R1=96$

$R2=96$

$R3=92$

$R4=94$

$R5=95$

$R6=93$

$R7=95$

$R8=88$

$R9=74$

$R10=90$

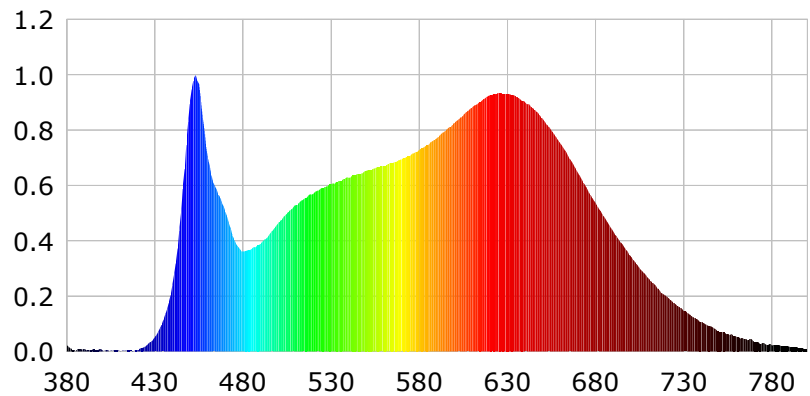
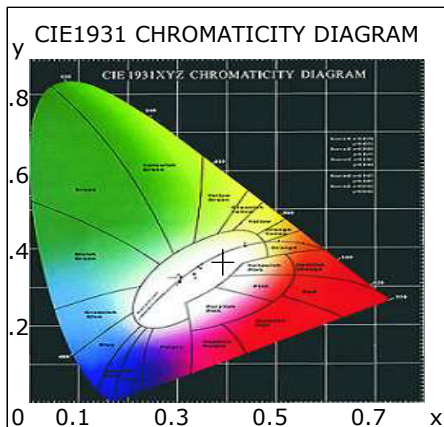
$R11=96$

$R12=77$

$R13=96$

$R14=99$

$R15=96$



Photometric Parameters

Luminous Flux: 2591.68 lm

Efficiency: 86.94 lm/W

Radiant Power: 9.979 W

Electric Parameters

Voltage: 24.00V

Current: 1.2410A

Power: 29.81W

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: 44735 (5167)

CCD Integration Time: 856.52 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 10:19:57

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-D155-30W-WH

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3069$ $y=0.3250$ $u(u')=0.1953$ $v=0.3102$ $v'=0.4653$

CCT: $T_c=6370K$ ($duv=0.00413$)

Color Ratio: $R=0.147$ $G=0.788$ $B=0.065$

Peak Wavelength: 450nm

Half Bandwidth: 23.9nm

Dominant Wavelength: 495.2nm

Color Purity: 0.059

Color Render Index: $R_a=94.0$, $CRI=90.3$

$R1=94$ $R2=94$ $R3=90$ $R4=93$

$R5=90$

$R6=87$

$R7=96$

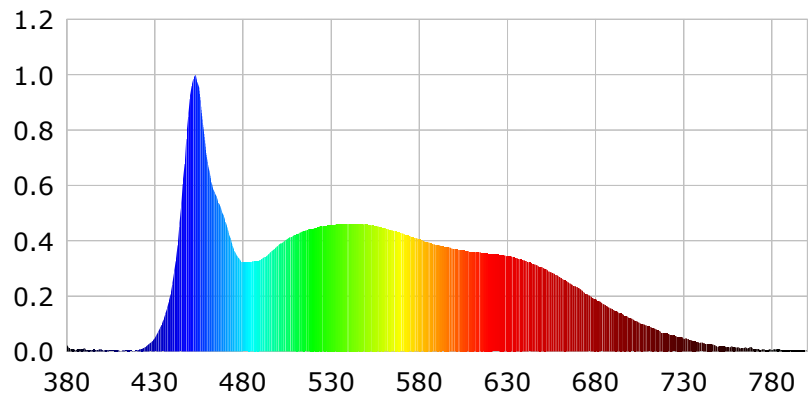
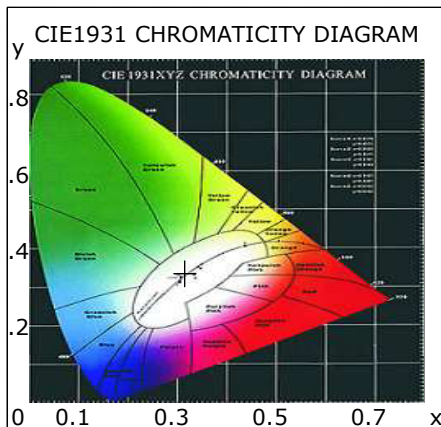
$R8=95$

$R9=86$ $R10=89$ $R11=96$ $R12=55$

$R13=95$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 1438.24 lm

Efficiency: 97.31 lm/W

Radiant Power: 5.870 W

Electric Parameters

Voltage: 24.00V

Current: 0.6158A

Power: 14.78W

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: 46342 (5182)

CCD Integration Time: 1043.87 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 10:18:22

Inspector: