

Lightsource Test Report

Product Information

Product Type: KL-SL-D86-6W-T4

Product Spec: 2000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5181$ $y=0.4142$ $u(u')=0.2989$ $v=0.3584$ $v'=0.5376$

CCT: $T_c=2083K$ ($duv=0.00115$)

Color Ratio: $R=0.353$ $G=0.633$ $B=0.014$

Peak Wavelength: 631nm

Half Bandwidth: 109.9nm

Dominant Wavelength: 588.9nm

Color Purity: 0.851

Color Render Index: $R_a=93.3$, $CRI=92.5$

$R1=97$

$R2=98$

$R3=97$

$R4=94$

$R5=98$

$R6=95$

$R7=87$

$R8=80$

$R9=62$

$R10=96$

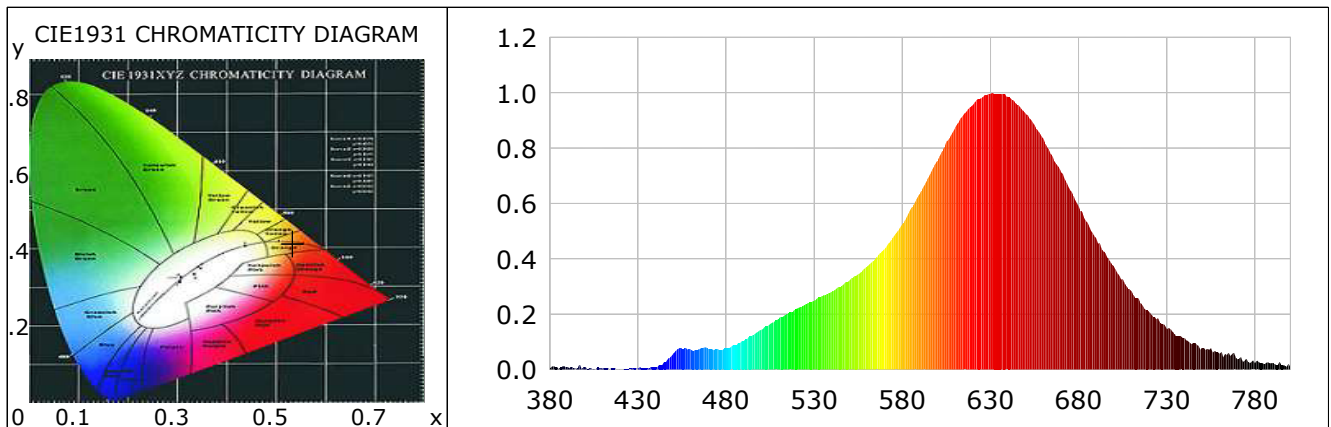
$R11=98$

$R12=85$

$R13=95$

$R14=99$

$R15=90$



Photometric Parameters

Luminous Flux: 151.34 lm

Efficiency: 48.82 lm/W

Radiant Power: 0.786 W

Electric Parameters

Voltage: 24.00V

Current: 0.1291A

Power: 3.10W

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: 44079 (5350)

CCD Integration Time: 3673.93 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: 2025-06-18 16:42:53

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SL-D86-6W-T4

Product Spec: 4000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3921$ $y=0.3649$ $u(u')=0.2378$ $v=0.3320$ $v'=0.4980$

CCT: $T_c=3628K$ ($duv=-0.01023$)

Color Ratio: $R=0.245$ $G=0.712$ $B=0.043$

Peak Wavelength: 629nm

Half Bandwidth: 173.4nm

Dominant Wavelength: 587.0nm

Color Purity: 0.318

Color Render Index: $R_a=95.1$, $CRI=93.5$

$R1=93$ $R2=93$ $R3=96$ $R4=97$

$R5=93$

$R6=88$

$R7=93$

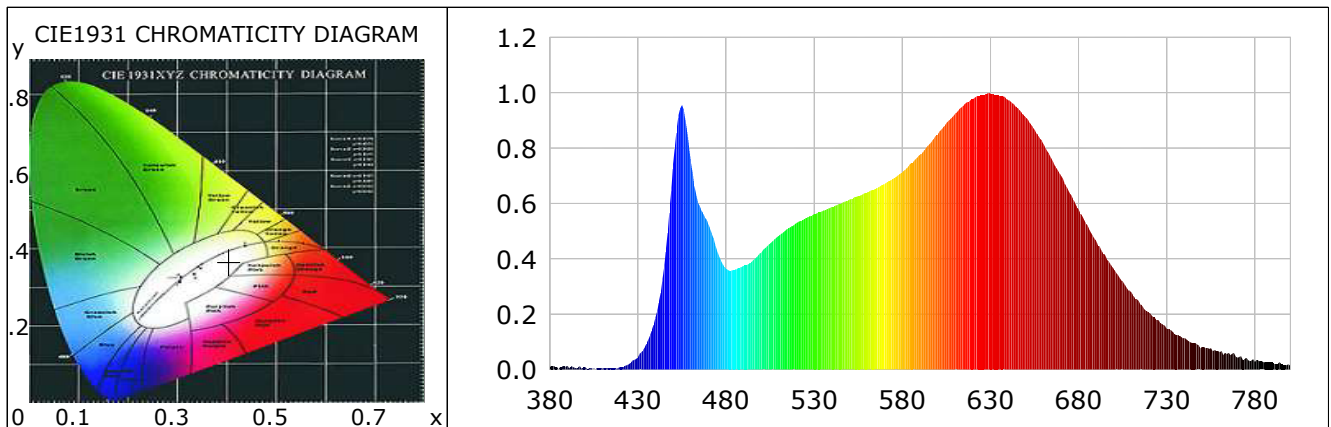
$R8=97$

$R9=96$ $R10=87$ $R11=94$ $R12=84$

$R13=92$

$R14=99$

$R15=93$



Photometric Parameters

Luminous Flux: 509.29 lm

Efficiency: 82.41 lm/W

Radiant Power: 1.659 W

Electric Parameters

Voltage: 24.00V

Current: 0.2575A

Power: 6.18W

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: 42450 (5460)

CCD Integration Time: 2308.13 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: 2025-06-18 16:43:18

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SL-D86-6W-T4

Product Spec: 6000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3279$ $y=0.3415$ $u(u')=0.2036$ $v=0.3181$ $v'=0.4771$

CCT: $T_c=6076K$ ($duv=0.00238$)

Color Ratio: $R=0.163$ $G=0.773$ $B=0.064$

Peak Wavelength: 454nm

Half Bandwidth: 24.2nm

Dominant Wavelength: 513.2nm

Color Purity: 0.018

Color Render Index: $R_a=93.2$, $CRI=91.2$

$R1=95$

$R2=97$

$R3=90$

$R4=92$

$R5=92$

$R6=90$

$R7=95$

$R8=93$

$R9=93$

$R10=90$

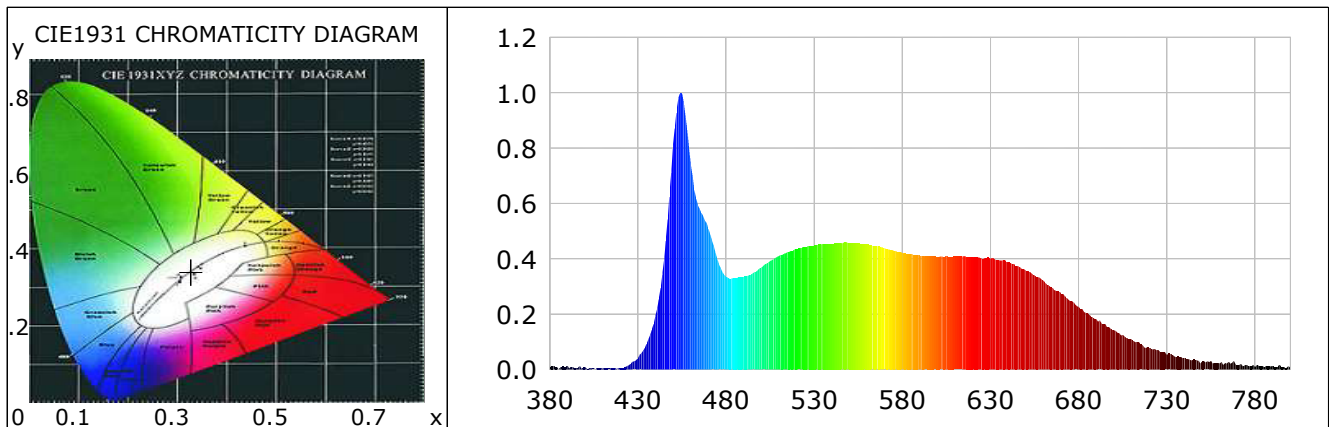
$R11=95$

$R12=59$

$R13=98$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 255.70 lm

Efficiency: 83.02 lm/W

Radiant Power: 0.921 W

Electric Parameters

Voltage: 24.00V

Current: 0.1283A

Power: 3.08W

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: 45356 (5175)

CCD Integration Time: 2649.15 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: 2025-06-18 16:44:38

Inspector: