

Lightsource Test Report

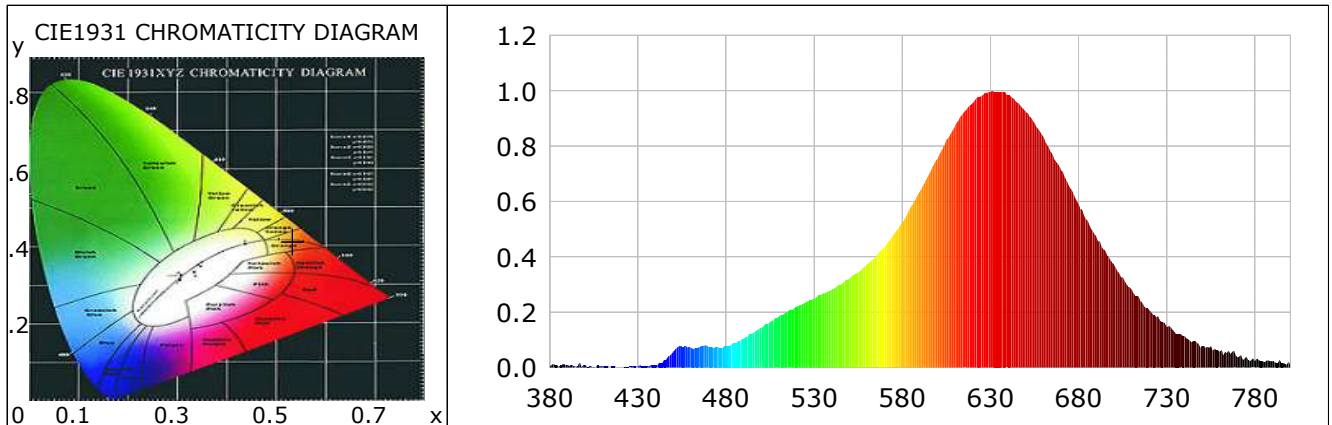
Product Information

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

Product Spec: 2000K

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: 165.88 lm Efficiency: 53.51 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 15:32:54
Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SL-D86-6W

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: $R_a=95.1$, $CRI=93.5$

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

$R5=93$

$R6=88$

$R7=93$

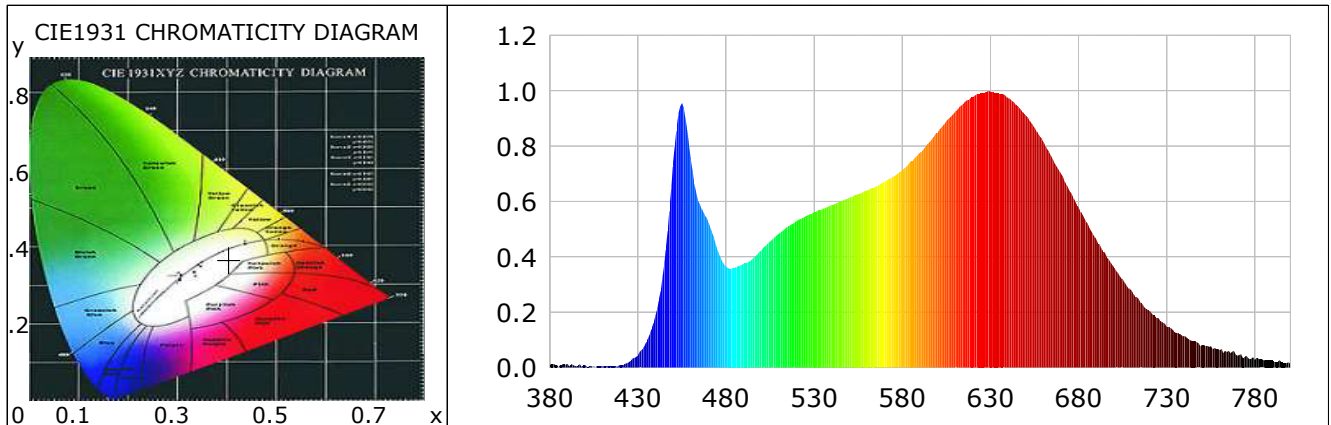
$R8=97$

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

$R13=92$

$R14=99$

$R15=93$



Photometric Parameters

Luminous Flux: 549.09 lm

Efficiency: 88.85 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 15:39:18

Inspector:

Lightsource Test Report

Product Information

Product Type: KL-SL-D86-6W

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: $R_a=93.2$, $CRI=91.2$

$R1=95$

$R2=97$

$R3=90$

$R4=92$

$R5=92$

$R6=90$

$R7=95$

$R8=93$

$R9=93$

$R10=90$

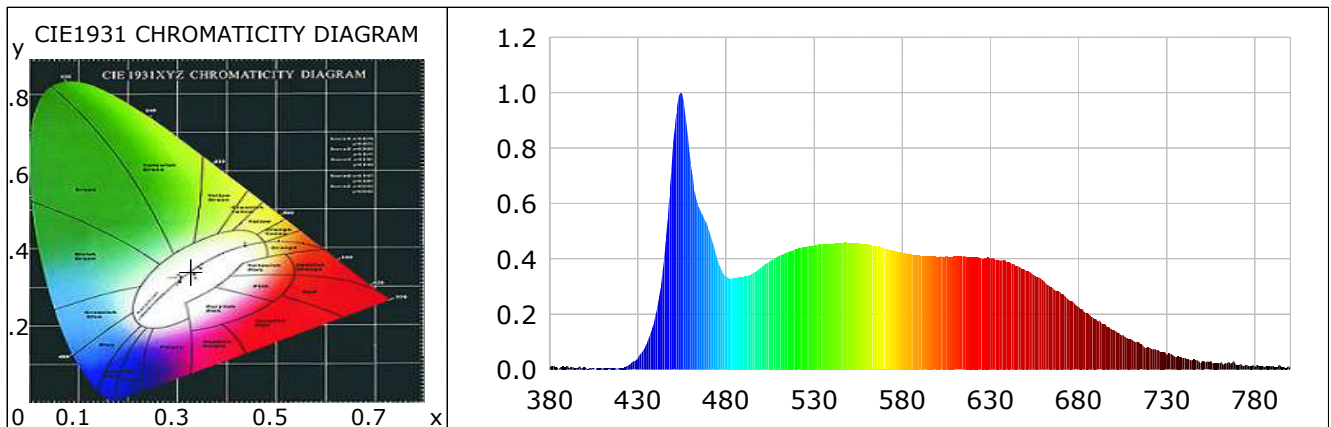
$R11=95$

$R12=59$

$R13=98$

$R14=94$

$R15=93$



Photometric Parameters

Luminous Flux: 275.66 lm

Efficiency: 89.50 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 15:34:41

Inspector: