

Lightsource Test Report

Product Information

Product Spec: KL-PS-ENT-9W-BK

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5331$ $y=0.4191$ $u(u')=0.3062$ $v=0.3612$ $v'=0.5417$

CCT: $T_c=2028K$ ($duv=0.00081$)

Color Ratio: $R=0.354$ $G=0.634$ $B=0.013$

Peak Wavelength: 645nm

Half Bandwidth: 114.8nm

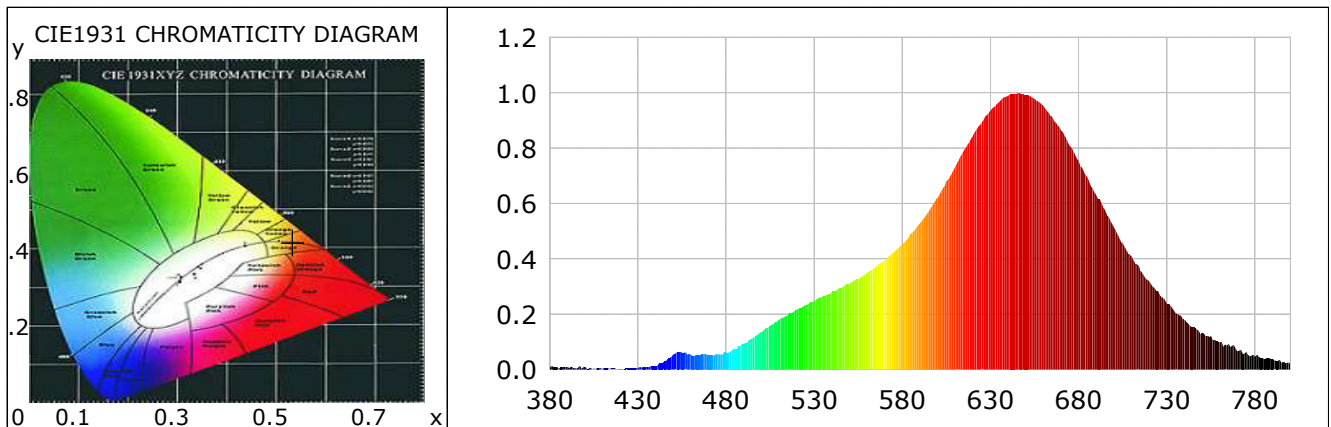
Dominant Wavelength: 588.5nm

Color Purity: 0.858

Color Render Index: $R_a=91.5$, $CRI=90.8$

$R1=96$ $R2=97$ $R3=93$ $R4=96$ $R5=97$ $R6=96$ $R7=96$ $R8=94$

$R9=52$ $R10=95$ $R11=91$ $R12=95$ $R13=99$ $R14=96$ $R15=86$



Photometric Parameters

Luminous Flux: 191.24 lm

Efficiency: 44.27 lm/W

Radiant Power: 1.068 W

Electric Parameters

Voltage: 24.00V

Current: 0.1800A

Power: 4.32W

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: 43240 (6432)

CCD Integration Time: 2785.67 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: 2025-09-03 11:22:01

Inspector:

Lightsource Test Report

Product Information

Product Spec: KL-PS-ENT-9W-BK

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3948$ $y=0.3668$ $u(u')=0.2388$ $v=0.3328$ $v'=0.4993$

CCT: $T_c=3622K$ ($duv=-0.00671$)

Color Ratio: $R=0.237$ $G=0.717$ $B=0.046$

Peak Wavelength: 646nm

Half Bandwidth: 196.4nm

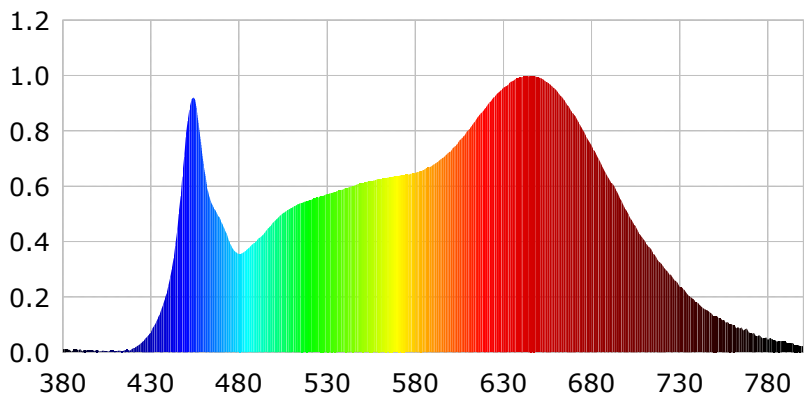
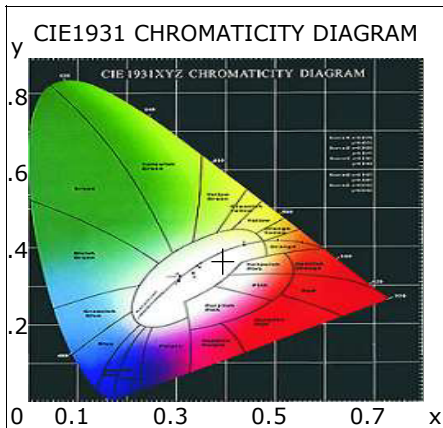
Dominant Wavelength: 585.6nm

Color Purity: 0.286

Color Render Index: $R_a=96.1$, $CRI=93.3$

$R1=95$ $R2=93$ $R3=96$ $R4=96$ $R5=94$ $R6=90$ $R7=93$ $R8=94$

$R9=91$ $R10=90$ $R11=91$ $R12=80$ $R13=89$ $R14=97$ $R15=96$



Photometric Parameters

Luminous Flux: 510.39 lm

Efficiency: 59.21 lm/W

Radiant Power: 2.423 W

Electric Parameters

Voltage: 24.00V

Current: 0.3591A

Power: 8.62W

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, 4T

Max of Signal: 44554 (6236)

CCD Integration Time: 1765.17 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: 2025-09-03 11:24:16

Inspector:

Lightsource Test Report

Product Information

Product Spec: KL-PS-ENT-9W-BK

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3237$ $y=0.3397$ $u(u')=0.2013$ $v=0.3170$ $v'=0.4756$

CCT: $T_c=5812K$ ($duv=0.00569$)

Color Ratio: $R=0.163$ $G=0.770$ $B=0.067$

Peak Wavelength: 454nm

Half Bandwidth: 24.6nm

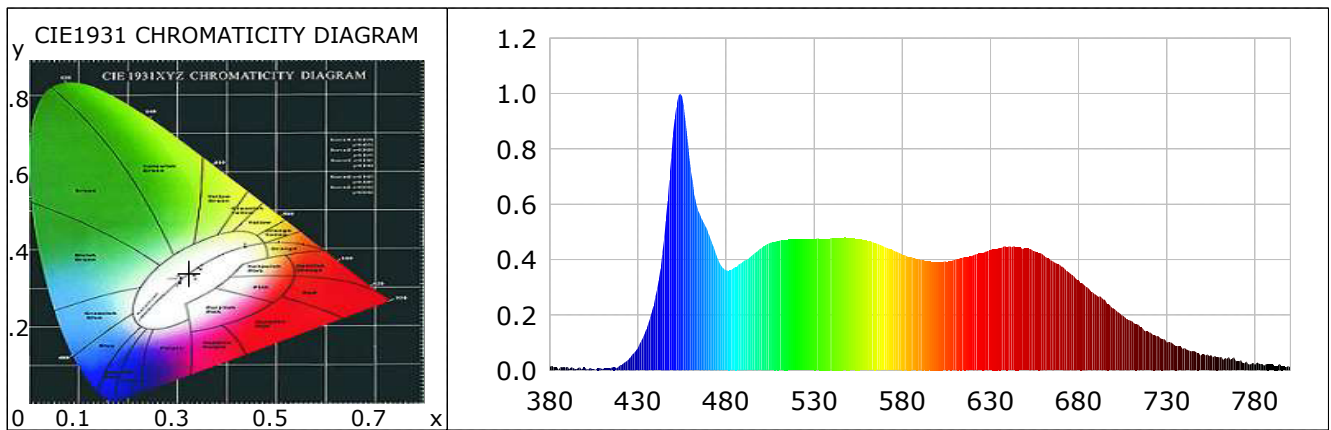
Dominant Wavelength: 500.5nm

Color Purity: 0.030

Color Render Index: $R_a=93.1$, $CRI=91.5$

$R_1=91$ $R_2=96$ $R_3=90$ $R_4=92$ $R_5=93$ $R_6=92$ $R_7=93$ $R_8=85$

$R_9=62$ $R_{10}=91$ $R_{11}=94$ $R_{12}=64$ $R_{13}=97$ $R_{14}=94$ $R_{15}=90$



Photometric Parameters

Luminous Flux: 303.40 lm

Efficiency: 69.27 lm/W

Radiant Power: 1.392 W

Electric Parameters

Voltage: 24.00V

Current: 0.1825A

Power: 4.38W

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, 4T

Max of Signal: 40283 (6348)

CCD Integration Time: 1765.17 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: 2025-09-03 11:25:09

Inspector: