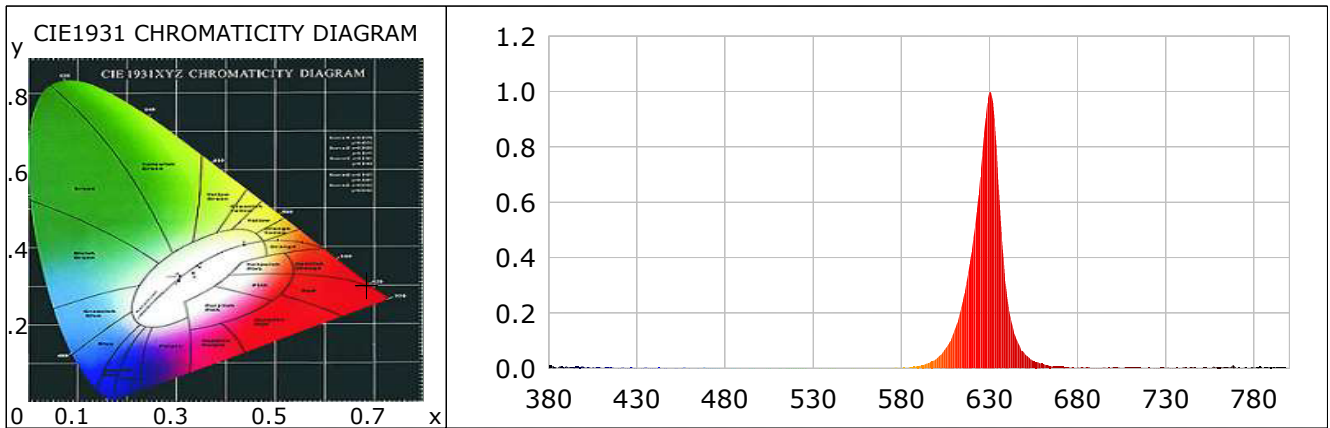

Lightsource Test Report

Product Information

Product Number: 9

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.6860$ $y=0.3039$ $u(u')=0.5202$ $v=0.3457$ $v'=0.5185$
CCT: $T_c=1000K$ ($duv=-0.07256$) Color Ratio: $R=0.953$ $G=0.045$ $B=0.002$
Peak Wavelength: 630nm Half Bandwidth: 15.2nm
Dominant Wavelength: 622.8nm Color Purity: 0.970
Color Render Index: $R_a=33.6$, $CRI=36.3$
 $R1=23$ $R2=86$ $R3=38$ $R4=3$ $R5=28$ $R6=86$ $R7=5$ $R8=0$
 $R9=0$ $R10=85$ $R11=27$ $R12=53$ $R13=45$ $R14=66$ $R15=0$



Photometric Parameters

Luminous Flux: 110.79 lm Efficiency: 55.67 lm/W Radiant Power: 0.556 W

Electric Parameters

Voltage: 24.00V Current: 0.0830A Power: 1.99W
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: 44852 (5177) CCD Integration Time: 803.08 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: 2021-11-03 14:18:59
Inspector:

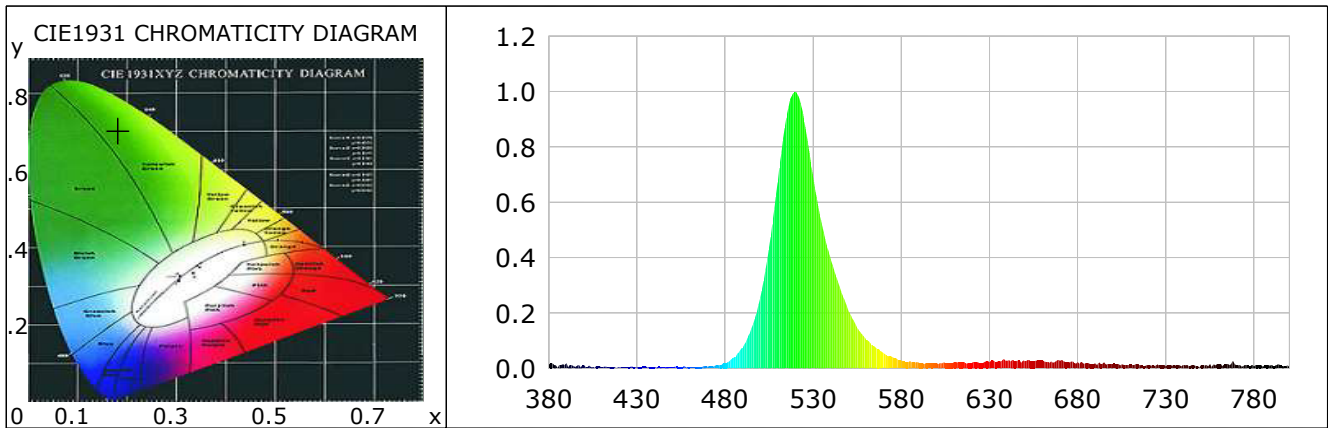
Lightsource Test Report

Product Information

Product Number: 10

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1814$ $y=0.7098$ $u(u')=0.0651$ $v=0.3818$ $v'=0.5727$
CCT: $T_c=7708K$ ($duv=0.15244$) Color Ratio: $R=0.016$ $G=0.965$ $B=0.018$
Peak Wavelength: 520nm Half Bandwidth: 29.3nm
Dominant Wavelength: 528.1nm Color Purity: 0.783
Color Render Index: $R_a=0.7$, $CRI=3.0$
 $R1=0$ $R2=0$ $R3=0$ $R4=0$ $R5=3$ $R6=0$ $R7=2$ $R8=0$
 $R9=0$ $R10=0$ $R11=0$ $R12=0$ $R13=0$ $R14=39$ $R15=0$



Photometric Parameters

Luminous Flux: 178.03 lm Efficiency: 89.46 lm/W Radiant Power: 0.398 W

Electric Parameters

Voltage: 24.00V Current: 0.0830A Power: 1.99W
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: 43032 (5465) CCD Integration Time: 1655.13 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: 2021-11-03 14:20:00
Inspector:

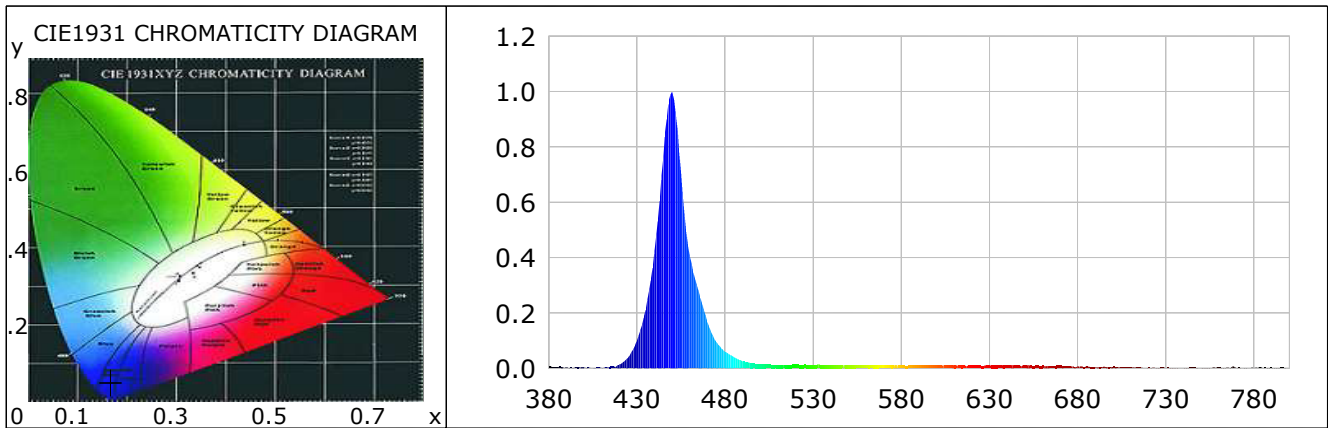
Lightsource Test Report

Product Information

Product Number: 11

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1666$ $y=0.0486$ $u(u')=0.2051$ $v=0.0898$ $v'=0.1347$
CCT: $T_c=100000K$ ($duv=-0.17786$) Color Ratio: $R=0.091$ $G=0.440$ $B=0.469$
Peak Wavelength: 450nm Half Bandwidth: 16.7nm
Dominant Wavelength: 454.7nm Color Purity: 0.916
Color Render Index: $R_a=21.0$, $CRI=21.9$
 $R1=82$ $R2=0$ $R3=0$ $R4=0$ $R5=86$ $R6=0$ $R7=0$ $R8=0$
 $R9=86$ $R10=0$ $R11=0$ $R12=0$ $R13=23$ $R14=0$ $R15=52$



Photometric Parameters

Luminous Flux: 59.79 lm Efficiency: 30.04 lm/W Radiant Power: 0.959 W

Electric Parameters

Voltage: 24.00V Current: 0.0830A Power: 1.99W
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: 44321 (5143) CCD Integration Time: 560.54 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: 2021-11-03 14:20:51
Inspector:

Lightsource Test Report

Product Information

Product Number: 12

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4663$ $y=0.4184$ $u(u')=0.2631$ $v=0.3542$ $v'=0.5313$

CCT: $T_c=2672K$ ($duv=0.00233$)

Color Ratio: $R=0.271$ $G=0.704$ $B=0.024$

Peak Wavelength: 638nm

Half Bandwidth: 155.7nm

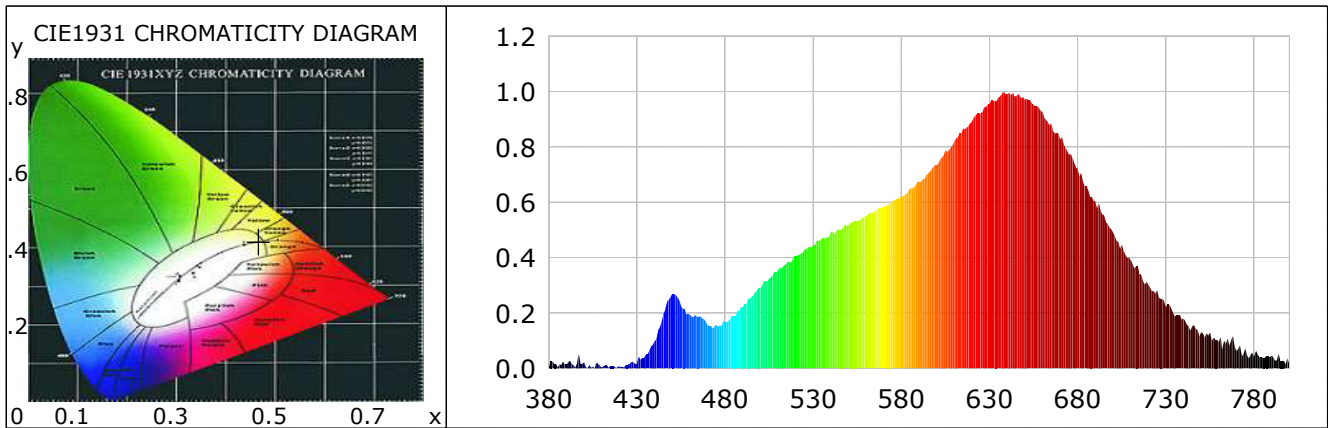
Dominant Wavelength: 583.6nm

Color Purity: 0.656

Color Render Index: $R_a=98.5$, $CRI=97.0$

$R_1=100$ $R_2=99$ $R_3=95$ $R_4=98$ $R_5=99$ $R_6=99$ $R_7=99$ $R_8=98$

$R_9=94$ $R_{10}=96$ $R_{11}=96$ $R_{12}=88$ $R_{13}=99$ $R_{14}=96$ $R_{15}=98$



Photometric Parameters

Luminous Flux: 145.63 lm

Efficiency: 73.18 lm/W

Radiant Power: 0.582 W

Electric Parameters

Voltage: 24.00V

Current: 0.0830A

Power: 1.99W

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: 40899 (6372)

CCD Integration Time: 5683.33 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: 2021-11-03 14:22:06

Inspector: