

Lightsource Test Report

Product Information

Product Category: ILSOA001 22W 3K

Product Number: 11

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4337$ $y=0.4021$ $u(u')=0.2493$ $v=0.3468$ $v'=0.5201$

CCT: $T_c=3040K$ ($duv=-0.00032$)

Color Ratio: $R=0.228$ $G=0.747$ $B=0.025$

Peak Wavelength: 599.3nm

Half Bandwidth: 136.7nm

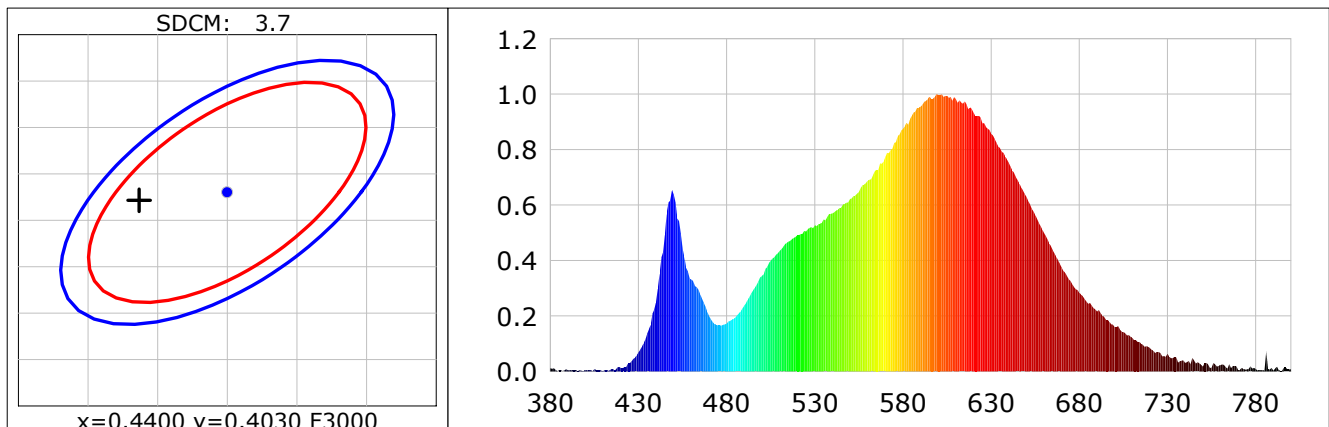
Dominant Wavelength: 582.8nm

Color Purity: 0.509

Color Render Index: $R_a=84.2$, $avgR(1\sim14)=79.1$, $avgR(1\sim15)=78.9$

$R_1=83$ $R_2=91$ $R_3=97$ $R_4=83$ $R_5=83$ $R_6=90$ $R_7=84$ $R_8=63$

$R_9=15$ $R_{10}=80$ $R_{11}=84$ $R_{12}=73$ $R_{13}=85$ $R_{14}=99$ $R_{15}=76$



Photometric Parameters

Luminous Flux: 2197.67 lm

Efficiency: 97.98 lm/W

Radiant Power: 6.732 W

Electric Parameters

Voltage: 230.30V

Current: 0.1050A

Power: 22.43W

Power Factor: 0.9300

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 42830 (5554)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.75m, 4π

CCD Integration Time: 3925.57 ms

Condition: Tx:27.8'C, Ti:26.3'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2023-06-24 09:06:49

Inspector:

Lightsource Test Report

Product Information

Product Category: ILSOA001 22W 4K

Product Number: 12

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3816$ $y=0.3737$ $u(u')=0.2271$ $v=0.3336$ $v'=0.5004$

CCT: $T_c=3947K$ ($duv=-0.00174$)

Color Ratio: $R=0.190$ $G=0.772$ $B=0.038$

Peak Wavelength: 450.7nm

Half Bandwidth: 18.6nm

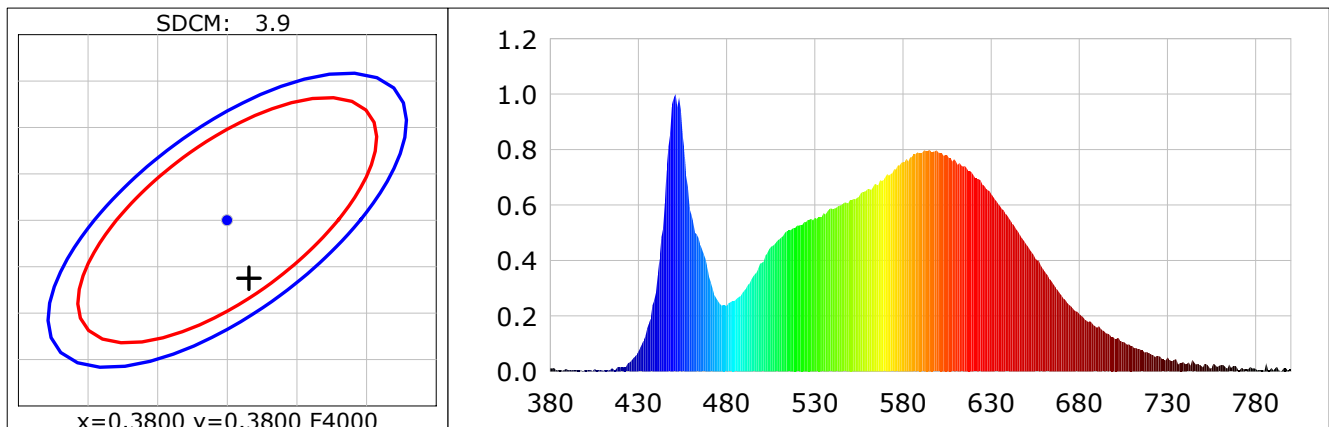
Dominant Wavelength: 580.3nm

Color Purity: 0.267

Color Render Index: $R_a=86.2$, $avgR(1\sim14)=80.9$, $avgR(1\sim15)=80.8$

$R_1=85$ $R_2=92$ $R_3=96$ $R_4=85$ $R_5=86$ $R_6=89$ $R_7=87$ $R_8=70$

$R_9=24$ $R_{10}=81$ $R_{11}=85$ $R_{12}=66$ $R_{13}=87$ $R_{14}=98$ $R_{15}=80$



Photometric Parameters

Luminous Flux: 2460.14 lm

Efficiency: 113.06 lm/W

Radiant Power: 7.673 W

Electric Parameters

Voltage: 230.30V

Current: 0.1020A

Power: 21.76W

Power Factor: 0.9260

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 48383 (5939)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.75m, 4π

CCD Integration Time: 3925.57 ms

Condition: Tx:27.9'C, Ti:26.3'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2023-06-24 09:09:37

Inspector:

Lightsource Test Report

Product Information

Product Category: ILSOA001 22W 5K

Product Number: 13

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3424$ $y=0.3532$ $u(u')=0.2090$ $v=0.3234$ $v'=0.4850$

CCT: $T_c=5108K$ ($duv=0.00188$)

Color Ratio: $R=0.156$ $G=0.796$ $B=0.048$

Peak Wavelength: 453.0nm

Half Bandwidth: 19.0nm

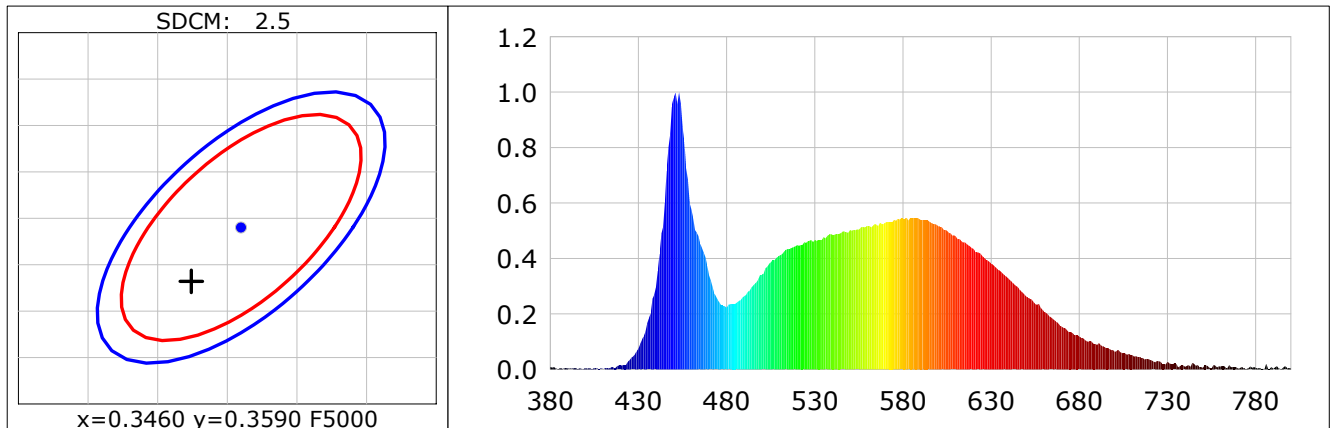
Dominant Wavelength: 569.1nm

Color Purity: 0.087

Color Render Index: $R_a=86.0$, $avgR(1\sim14)=79.0$, $avgR(1\sim15)=79.2$

$R_1=85$ $R_2=87$ $R_3=87$ $R_4=91$ $R_5=85$ $R_6=81$ $R_7=93$ $R_8=79$

$R_9=29$ $R_{10}=68$ $R_{11}=90$ $R_{12}=52$ $R_{13}=85$ $R_{14}=92$ $R_{15}=83$



Photometric Parameters

Luminous Flux: 2208.59 lm

Efficiency: 99.17 lm/W

Radiant Power: 6.930 W

Electric Parameters

Voltage: 230.50V

Current: 0.1040A

Power: 22.27W

Power Factor: 0.9290

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 46259 (5603)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.75m, 4π

CCD Integration Time: 2831.52 ms

Condition: Tx:27.8'C, Ti:26.2'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2023-06-24 09:10:32

Inspector:

Lightsource Test Report

Product Information

Product Category: ILSOA001 38W 3K

Product Number: 14

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4310$ $y=0.4007$ $u(u')=0.2482$ $v=0.3461$ $v'=0.5192$

CCT: $T_c=3075K$ ($duv=-0.00052$)

Color Ratio: $R=0.226$ $G=0.748$ $B=0.026$

Peak Wavelength: 599.1nm

Half Bandwidth: 138.3nm

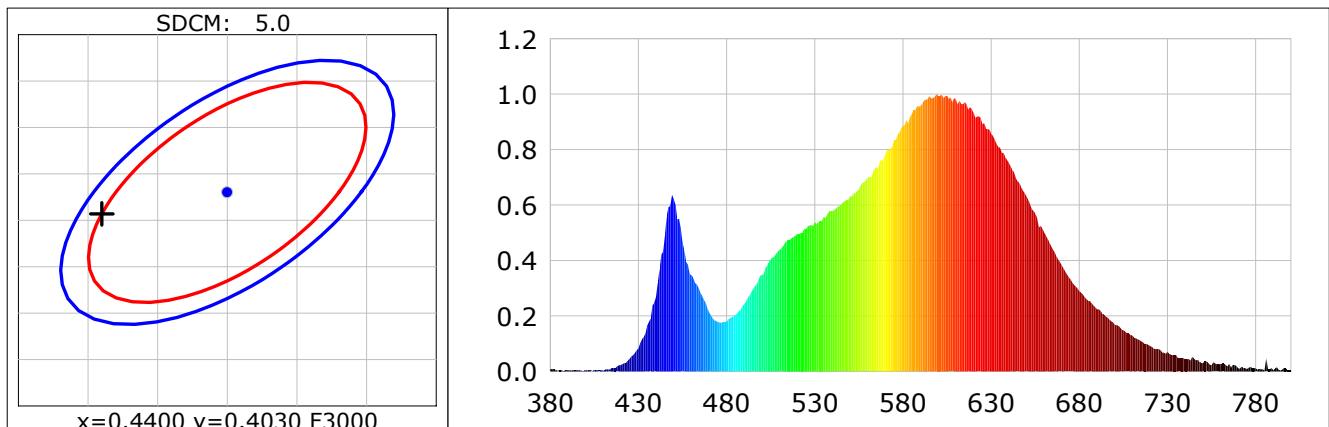
Dominant Wavelength: 582.7nm

Color Purity: 0.496

Color Render Index: $R_a=84.2$, $avgR(1\sim14)=79.1$, $avgR(1\sim15)=78.9$

$R_1=83$ $R_2=91$ $R_3=97$ $R_4=83$ $R_5=83$ $R_6=90$ $R_7=84$ $R_8=63$

$R_9=15$ $R_{10}=80$ $R_{11}=83$ $R_{12}=73$ $R_{13}=84$ $R_{14}=99$ $R_{15}=76$



Photometric Parameters

Luminous Flux: 3872.83 lm

Efficiency: 96.53 lm/W

Radiant Power: 11.944 W

Electric Parameters

Voltage: 230.30V

Current: 0.1800A

Power: 40.12W

Power Factor: 0.9650

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 50189 (5748)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.75m, 4 π

CCD Integration Time: 2831.52 ms

Condition: Tx:27.8'C, Ti:26.3'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2023-06-24 09:11:30

Inspector:

Lightsource Test Report

Product Information

Product Category: ILSOA001 38W 4K

Product Number: 15

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3820$ $y=0.3740$ $u(u')=0.2272$ $v=0.3337$ $v'(v')=0.5006$

CCT: $T_c=3937K$ ($duv=-0.00173$)

Color Ratio: $R=0.190$ $G=0.772$ $B=0.038$

Peak Wavelength: 450.5nm

Half Bandwidth: 20.6nm

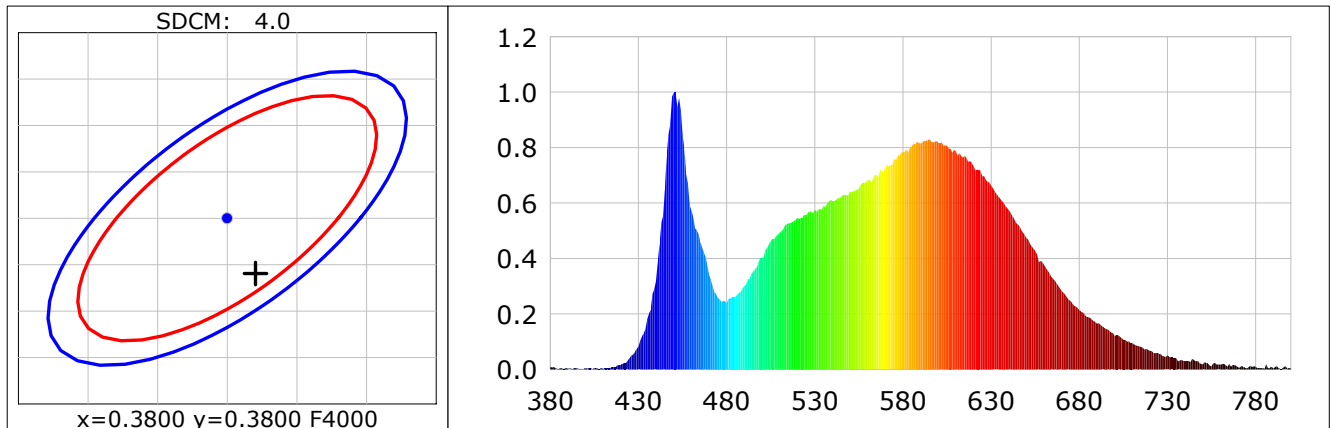
Dominant Wavelength: 580.3nm

Color Purity: 0.269

Color Render Index: $R_a=86.1$, $avgR(1\sim14)=80.7$, $avgR(1\sim15)=80.6$

$R_1=85$ $R_2=92$ $R_3=96$ $R_4=85$ $R_5=85$ $R_6=89$ $R_7=87$ $R_8=69$

$R_9=24$ $R_{10}=81$ $R_{11}=85$ $R_{12}=66$ $R_{13}=87$ $R_{14}=98$ $R_{15}=80$



Photometric Parameters

Luminous Flux: 4185.48 lm

Efficiency: 108.46 lm/W

Radiant Power: 13.041 W

Electric Parameters

Voltage: 230.10V

Current: 0.1740A

Power: 38.59W

Power Factor: 0.9640

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 48788 (5634)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.75m, 4 π

CCD Integration Time: 2406.79 ms

Condition: Tx:27.8'C, Ti:26.3'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2023-06-24 09:12:09

Inspector:

Lightsource Test Report

Product Information

Product Category: ILSOA001 38W 5K

Product Number: 16

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3414$ $y=0.3521$ $u(u')=0.2087$ $v=0.3229$ $v'=0.4844$

CCT: $T_c=5148K$ ($duv=0.00179$)

Color Ratio: $R=0.155$ $G=0.797$ $B=0.048$

Peak Wavelength: 453.1nm

Half Bandwidth: 22.0nm

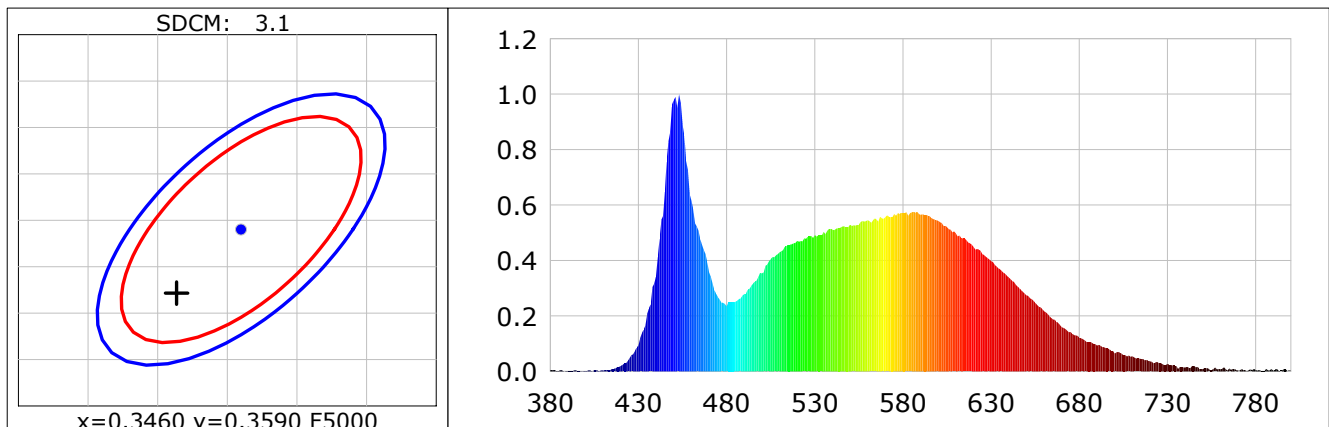
Dominant Wavelength: 568.4nm

Color Purity: 0.081

Color Render Index: $R_a=85.9$, $avgR(1\sim14)=78.8$, $avgR(1\sim15)=79.1$

$R_1=85$ $R_2=87$ $R_3=87$ $R_4=91$ $R_5=85$ $R_6=80$ $R_7=93$ $R_8=79$

$R_9=29$ $R_{10}=67$ $R_{11}=90$ $R_{12}=53$ $R_{13}=85$ $R_{14}=92$ $R_{15}=83$



Photometric Parameters

Luminous Flux: 3960.12 lm

Efficiency: 99.13 lm/W

Radiant Power: 12.443 W

Electric Parameters

Voltage: 230.40V

Current: 0.1800A

Power: 39.95W

Power Factor: 0.9650

Frequency: 50.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 51944 (5458)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.75m, 4 π

CCD Integration Time: 2045.77 ms

Condition: Tx:27.8'C, Ti:26.3'C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2023-06-24 09:13:05

Inspector: