

Lightsource Test Report

Product Information

Product Spec: 3W LED downlight

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: $T_c=1986K$ ($duv=0.00198$)

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

Peak Wavelength: 646nm

Half Bandwidth: 114.6nm

Dominant Wavelength: 588.5nm

Color Purity: 0.858

Color Render Index: $R_a=93.0$, $CRI=92.9$

R1 =98

R2 =98

R3 =96

R4 =96

R5 =98

R6 =96

R7 =96

R8 =94

R9 =86

R10=98

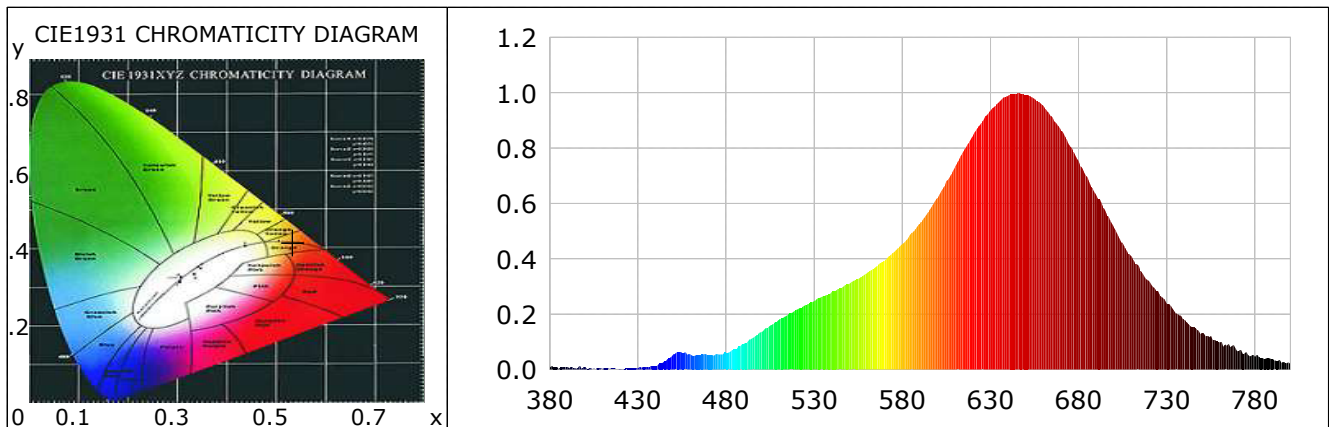
R11=91

R12=95

R13=99

R14=96

R15=96



Photometric Parameters

Luminous Flux: 91.92 lm

Efficiency: 60.08 lm/W

Radiant Power: 0.416 W

Electric Parameters

Voltage: 24.00V

Current: 0.0637A

Power: 1.53W

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, 4π

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: 2024-03-22 10:17:09

Inspector:

Lightsource Test Report

Product Information

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: $T_c=3639K$ ($duv=-0.00852$)

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: $R_a=91.7$, $CRI=90.2$

R1 =89

R2 =92

R3 =98

R4 =92

R5 =89

R6 =90

R7 =97

R8 =86

R9 =64

R10=85

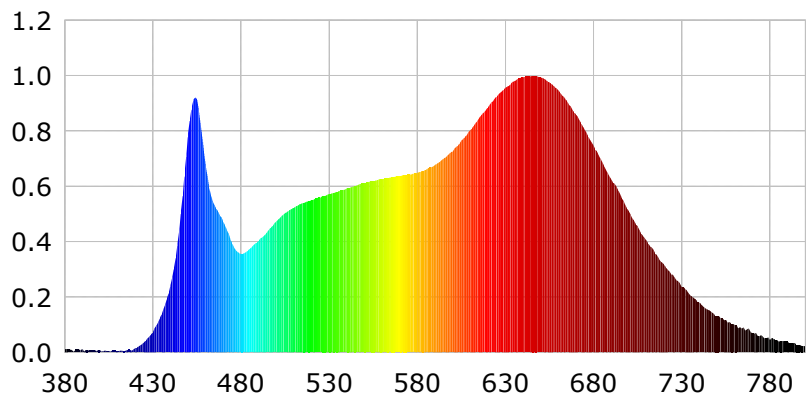
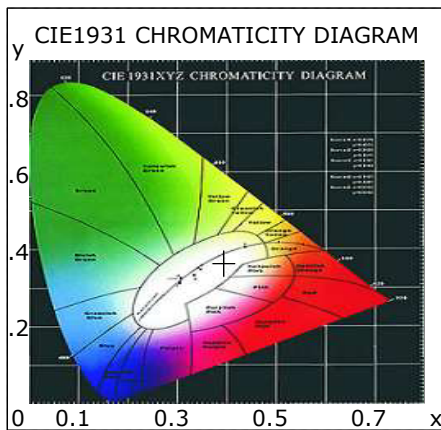
R11=88

R12=80

R13=89

R14=98

R15=85



Photometric Parameters

Luminous Flux: 211.46 lm

Efficiency: 70.02 lm/W

Radiant Power: 0.832 W

Electric Parameters

Voltage: 24.00V

Current: 0.1258A

Power: 3.02W

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: 2024-03-22 10:19:01

Inspector:

Lightsource Test Report

Product Information

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: $T_c=5922K$ ($duv=0.00335$)

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

Peak Wavelength: 454nm

Half Bandwidth: 24.6nm

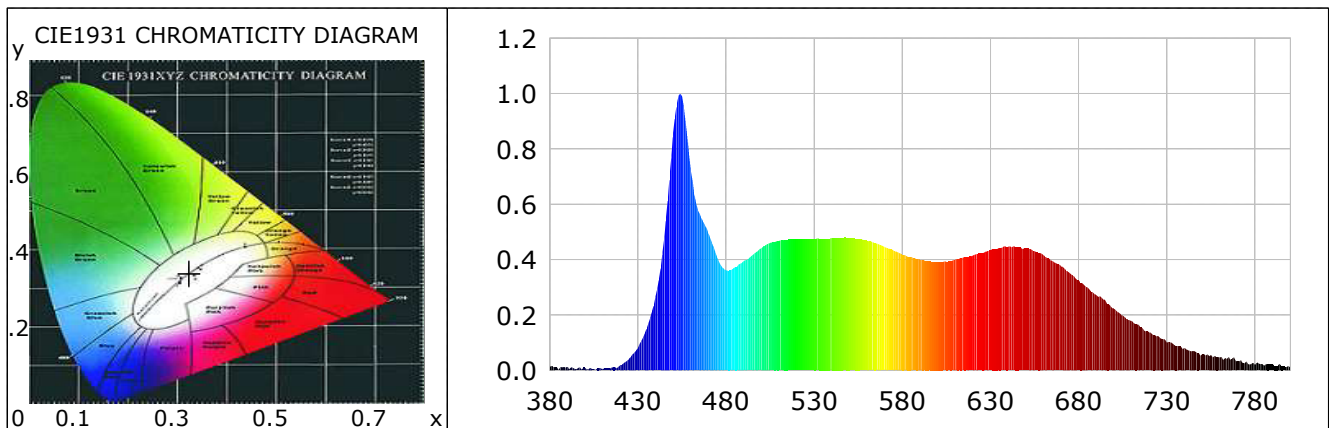
Dominant Wavelength: 500.5nm

Color Purity: 0.030

Color Render Index: $R_a=92.4$, $CRI=90.4$

$R1=94$ $R2=99$ $R3=90$ $R4=92$ $R5=93$ $R6=93$ $R7=93$ $R8=86$

$R9=69$ $R10=94$ $R11=94$ $R12=64$ $R13=97$ $R14=94$ $R15=90$



Photometric Parameters

Luminous Flux: 133.79 lm

Efficiency: 86.32 lm/W

Radiant Power: 1.379 W

Electric Parameters

Voltage: 24.00V

Current: 0.0645A

Power: 1.55W

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: 2024-03-22 10:23:06

Inspector: