Lightsource Test Report

Product Infomation

Product Type: 5050+2835 72D 12V IP65 5M
Product Spec: RGB+WW+CW-CW
Product Number: 1

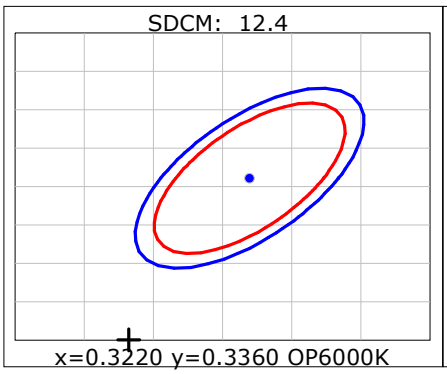
CIE Colorimetric Parameters

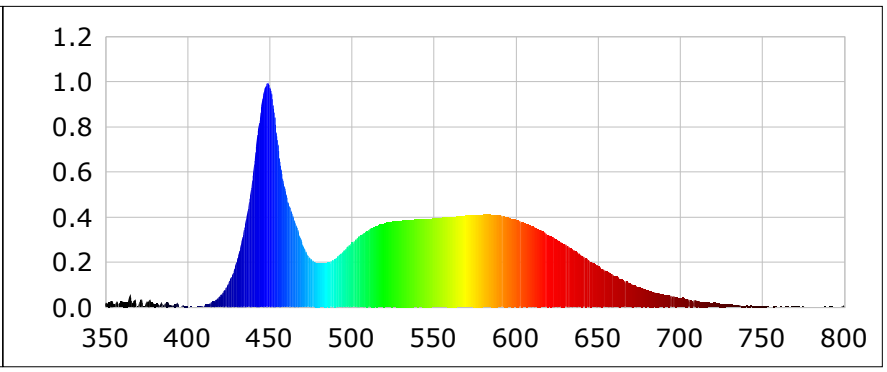
Chromaticity coordinates: x=0.3133 y=0.3121 u(u')=0.2048 v=0.3060 v'=0.4590
CCT: Tc=6618K (duv=-0.00608)
Color Ratio: R=0.147 G=0.798 B=0.055
Peak Wavelength: 448.9nm
Half Bandwidth: 21.9nm
Dominant Wavelength: 475.8nm
Color Purity: 0.088
Central Wave: 449.2nm
Gravity Wave: 449.0nm
CRI: Ra= 87.1
TM30: Rf= 83, Rg= 100
GAI: GAI_BB_8=100.2, GAI_BB_15=103.1, GAI_EES=98.2

R1 =89	R2 =89	R3 =87	R4 =90	R5 =89	R6 =84	R7 =89	R8 =80
R9 =36	R10=73	R11=91	R12=66	R13=89	R14=93	R15=87	

Color Quality Scale: Qa= 82.1, Qf= 80.7, Qp= 85.5, Qg= 97.3

Q1 =89	Q2 =95	Q3 =74	Q4 =71	Q5 =82	Q6 =88	Q7 =90	Q8 =94
Q9 =92	Q10=82	Q11=78	Q12=78	Q13=81	Q14=77	Q15=82	





Photometric Parameters

Luminous Flux: 1324.7 lm
Efficiency: 91.14 lm/W
Radiant Power: 4.485 W
Total mains efficacy: 91.14 lm/W
Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 230.27V
Current: 0.0826A
Power: 14.53W
Power Factor: 0.7646
Frequency: 50.00Hz
DF: 0.8663

Test Infomation

Scan Range: 350~800:1nm
Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 0 Min ALC.: 1.0000
Photometric Condition: Sphere diameter: 1.75m, 4∏
Max of Signal: 45026 (3415)
CCD Integration Time: 386.82 ms

Condition: Tx:29.3'C, Ti:28.1'C, R.H.:60%
Test Device: Inventfine CMS-3500S
Test Lab: Runwin
Test Time: 2022-05-16 11:28:07
Operator: Admin
Inspector:

Lightsource Test Report

Product Infomation

Product Type: 5050+2835 72D 12V IP65 5M
Product Spec: RGB+WW+CW-WW
Product Number: 2

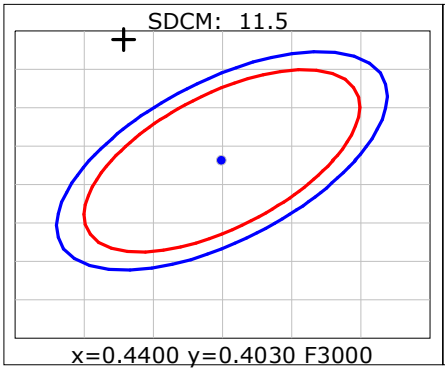
CIE Colorimetric Parameters

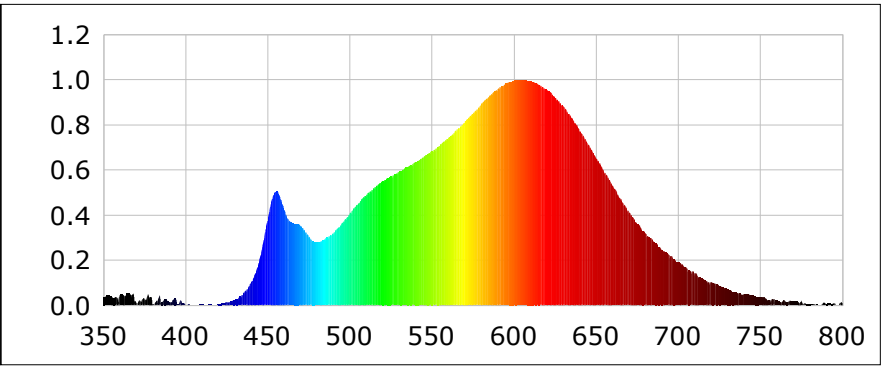
Chromaticity coordinates: x=0.4329 y=0.4188 u(u')=0.2419 v=0.3509 v'=0.5264
CCT: Tc=3185K (duv=0.00641)
Color Ratio: R=0.219 G=0.751 B=0.030
Peak Wavelength: 601.8nm
Half Bandwidth: 151.5nm
Dominant Wavelength: 599.0nm
Color Purity: 0.557
Central Wave: 587.0nm
Gravity Wave: 602.0nm
CRI: Ra= 85.7
TM30: Rf= 85, Rg= 91
GAI: GAI_BB_8=76.1, GAI_BB_15=85.4, GAI_EES=47.4

R1 =84	R2 =92	R3 =98	R4 =83	R5 =84	R6 =92	R7 =86	R8 =67
R9 =22	R10=82	R11=83	R12=68	R13=86	R14=99	R15=77	

Color Quality Scale: Qa= 85.2, Qf= 87.0, Qp= 84.2, Qg= 86.7

Q1 =80	Q2 =92	Q3 =90	Q4 =85	Q5 =84	Q6 =83	Q7 =85	Q8 =89
Q9 =90	Q10=87	Q11=90	Q12=90	Q13=88	Q14=77	Q15=79	





Photometric Parameters

Luminous Flux: 1390.2 lm
Efficiency: 93.00 lm/W
Radiant Power: 4.242 W
Total mains efficacy: 93.00 lm/W
Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 230.28V
Current: 0.0849A
Power: 14.95W
Power Factor: 0.7649
Frequency: 50.00Hz
DF: 0.8701

Test Infomation
Scan Range: 350~800:1nm
Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 0 Min ALC.: 1.0000
Photometric Condition: Sphere diameter: 1.75m, 4∏
Max of Signal: 42845 (3886)
CCD Integration Time: 701.82 ms

Condition: Tx:29.3'C, Ti:28.1'C, R.H.:60%
Test Device: Inventfine CMS-3500S
Test Lab: Runwin
Test Time: 2022-05-16 11:28:51
Operator: Admin
Inspector:

Lightsource Test Report

Product Infomation

Product Type: 5050+2835 72D 12V IP65 5M
Product Spec: RGB+WW+CW-RGB
Product Number: 3

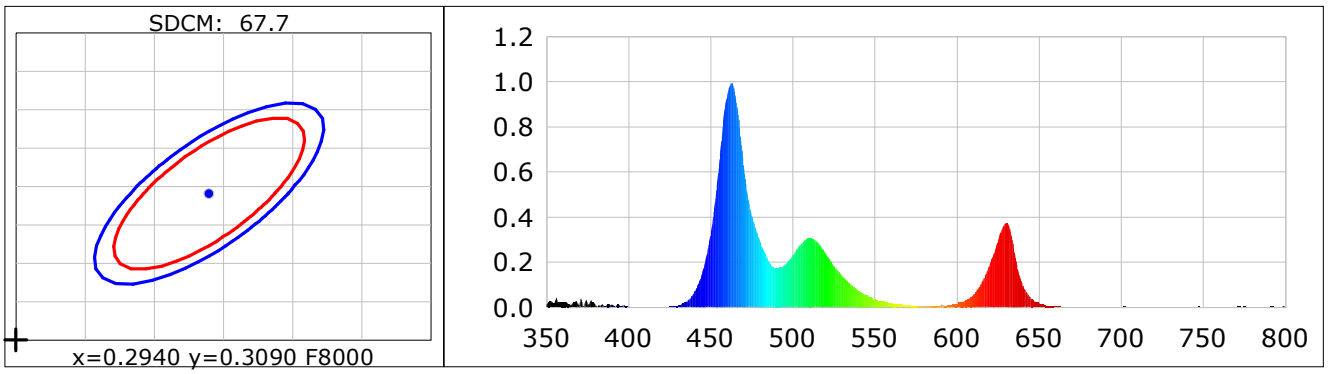
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.2051 y=0.1883 u(u')=0.1692 v=0.2330 v'=0.3495
CCT: Tc=100000K (duv=-0.03491)
Color Ratio: R=0.203 G=0.585 B=0.211
Peak Wavelength: 462.8nm
Half Bandwidth: 19.3nm
Dominant Wavelength: 474.4nm
Color Purity: 0.578
Central Wave: 462.9nm
Gravity Wave: 463.0nm
CRI: Ra= 38.4
TM30: Rf= 44, Rg= 97
GAI: GAI_BB_8=124.8, GAI_BB_15=127.9, GAI_EES=135.8

R1 =34	R2 =30	R3 =26	R4 =70	R5 =55	R6 =28	R7 =47	R8 =18
R9 =-201	R10=-81	R11=72	R12=33	R13=24	R14=57	R15=12	

Color Quality Scale: Qa= 42.3, Qf= 33.3, Qp= 64.1, Qg=121.3

Q1 =57	Q2 =58	Q3 =53	Q4 =42	Q5 =74	Q6 =89	Q7 =75	Q8 =70
Q9 =45	Q10=18	Q11=4	Q12=8	Q13=35	Q14=71	Q15=54	



Photometric Parameters

Luminous Flux: 347.93 lm
Efficiency: 19.15 lm/W
Radiant Power: 1.992 W
Total mains efficacy: 19.15 lm/W
Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 230.26V
Current: 0.1003A
Power: 18.17W
Power Factor: 0.7872
Frequency: 50.00Hz
DF: 0.8915

Test Infomation

Scan Range: 350~800:1nm
Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 0 Min ALC.: 1.0000
Photometric Condition: Sphere diameter: 1.75m, 4∏
Max of Signal: 45866 (3403)
CCD Integration Time: 376.83 ms

Condition: Tx:29.3'C, Ti:28.2'C, R.H.:60%
Test Device: Inventfine CMS-3500S
Test Lab: Runwin
Test Time: 2022-05-16 11:29:04
Operator: Admin
Inspector:

Lightsource Test Report

Product Infomation

Product Type: 5050+2835 72D 12V IP65 5M Product Spec: RGB+WW+CW-R
Product Number: 4

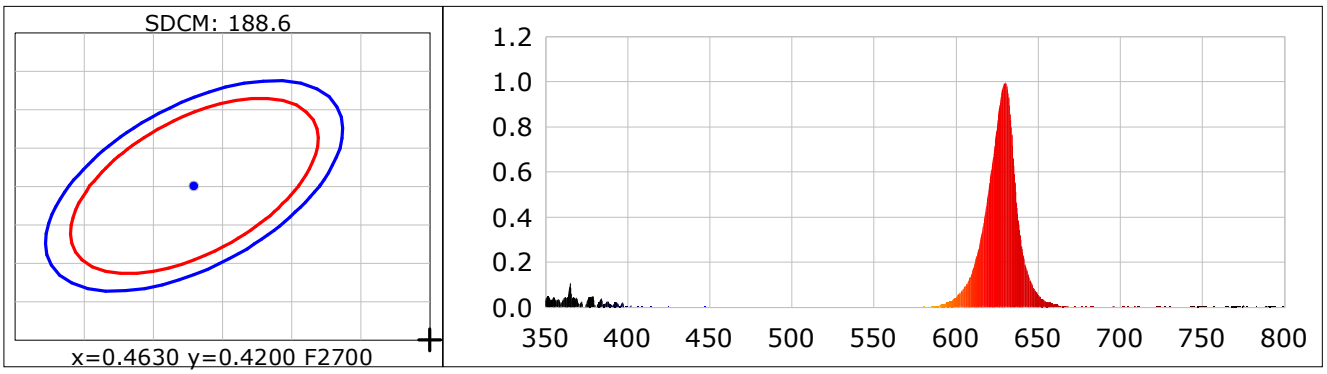
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.6885 y=0.3052 u(u')=0.5211 v=0.3465 v'=0.5197
CCT: Tc=1000K (duv=-0.07343) Color Ratio: R=0.958 G=0.041 B=0.001
Peak Wavelength: 629.9nm Half Bandwidth: 17.1nm
Dominant Wavelength: 621.9nm Color Purity: 0.982
Central Wave: 628.1nm Gravity Wave: 630.0nm
CRI: Ra= 18.5 TM30: Rf= 4, Rg= -1
GAI: GAI_BB_8=63.0, GAI_BB_15=62.8, GAI_EES=0.5

R1 =11	R2 =80	R3 =34	R4 =-14	R5 =13	R6 =93	R7 =1	R8 =-69
R9 =-217	R10=75	R11=2	R12=71	R13=34	R14=63	R15=-31	

Color Quality Scale: Qa= -1.$, Qf= -1.$, Qp= -1.$, Qg= -1.$

Q1 =6	Q2 =12	Q3 =18	Q4 =14	Q5 =12	Q6 =10	Q7 =7	Q8 =0
Q9 =0	Q10=0	Q11=0	Q12=0	Q13=0	Q14=0	Q15=0	



Photometric Parameters

Luminous Flux: 93.846 lm Efficiency: 9.89 lm/W Radiant Power: 0.464 W
Total mains efficacy: 9.89 lm/W Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 230.37V Current: 0.0593A Power: 9.49W
Power Factor: 0.6943 Frequency: 50.00Hz DF: 0.8063

Test Infomation
Scan Range: 350~800:1nm Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 0 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.75m, 4∏
Max of Signal: 45030 (4418) CCD Integration Time: 1119.46 ms

Condition: Tx:29.3'C, Ti:27.9'C, R.H.:60% Test Device: Inventfine CMS-3500S
Test Lab: Runwin Test Time: 2022-05-16 17:44:04
Operator: Admin Inspector:

Lightsource Test Report

Product Infomation

Product Type: 5050+2835 72D 12V IP65 5M
Product Spec: RGB+WW+CW-G
Product Number: 5

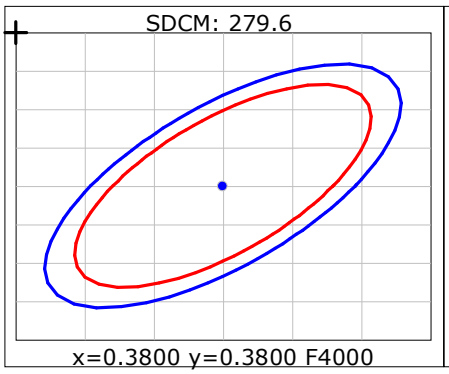
CIE Colorimetric Parameters

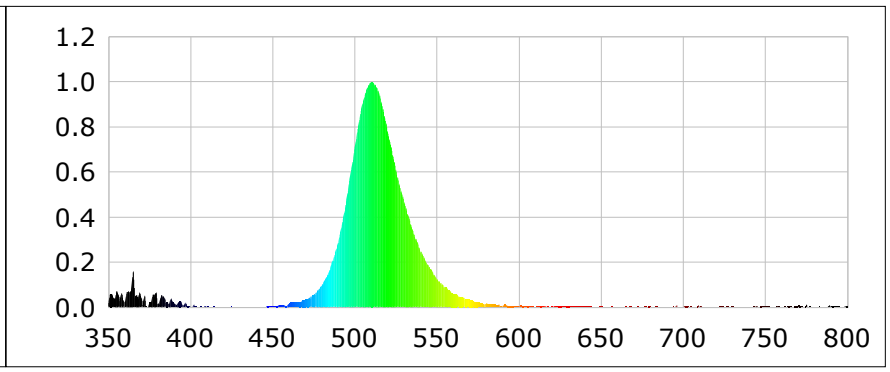
Chromaticity coordinates: x=0.1215 y=0.6610 u(u')=0.0455 v=0.3710 v'=0.5566
CCT: Tc=9218K (duv=0.16431)
Color Ratio: R=0.004 G=0.925 B=0.071
Peak Wavelength: 510.5nm
Half Bandwidth: 33.4nm
Dominant Wavelength: 513.8nm
Color Purity: 0.701
Central Wave: 512.2nm
Gravity Wave: 511.0nm
CRI: Ra=-18.3
TM30: Rf= 2, Rg= 11
GAI: GAI_BB_8=1.7, GAI_BB_15=2.6, GAI_EES=1.8

R1 =-31	R2 =-3	R3 =-17	R4 =-56	R5 =-6	R6 =-13	R7 =2	R8 =-22
R9 =-334	R10=-97	R11=-81	R12=-25	R13=-38	R14=40	R15=-26	

Color Quality Scale: Qa= 0.8, Qf= 1.5, Qp= 0.1, Qg= 7.8

Q1 =3	Q2 =6	Q3 =22	Q4 =39	Q5 =24	Q6 =1	Q7 =0	Q8 =0
Q9 =0	Q10=0	Q11=1	Q12=0	Q13=0	Q14=0	Q15=1	





Photometric Parameters

Luminous Flux: 220.75 lm
Efficiency: 36.35 lm/W
Radiant Power: 0.577 W
Total mains efficacy: 36.35 lm/W
Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 230.40V
Current: 0.0450A
Power: 6.07W
Power Factor: 0.5853
Frequency: 50.00Hz
DF: 0.6928

Test Infomation
Scan Range: 350~800:1nm
Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 0 Min ALC.: 1.0000
Photometric Condition: Sphere diameter: 1.75m, 4∏
Max of Signal: 48956 (4531)
CCD Integration Time: 1119.46 ms

Condition: Tx:29.3'C, Ti:27.9'C, R.H.:60%
Test Device: Inventfine CMS-3500S
Test Lab: Runwin
Test Time: 2022-05-16 17:44:24
Operator: Admin
Inspector:

Lightsource Test Report

Product Infomation

Product Type: 5050+2835 72D 12V IP65 5M
Product Spec: RGB+WW+CW-B
Product Number: 6

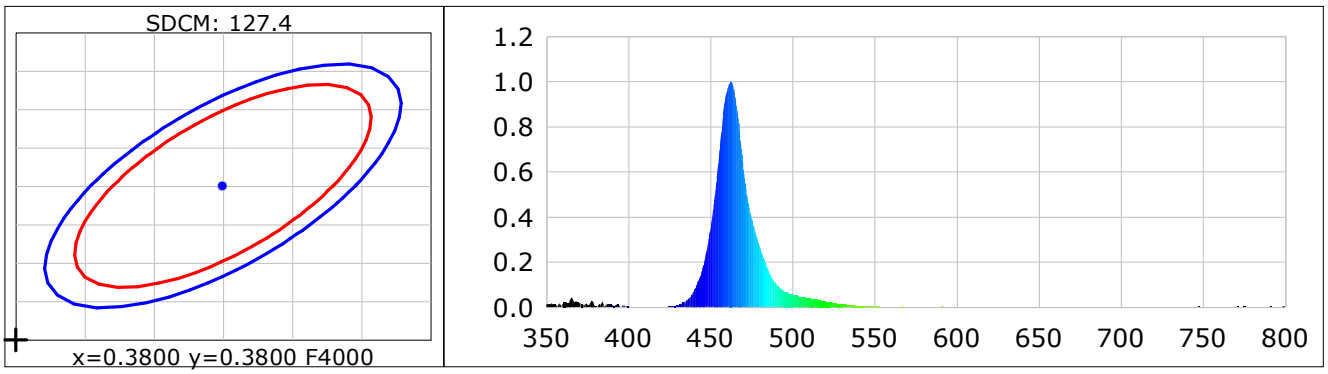
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.1376 y=0.0642 u(u')=0.1575 v=0.1102 v'=0.1654
CCT: Tc=100000K (duv=-0.15741)
Color Ratio: R=0.007 G=0.291 B=0.702
Peak Wavelength: 462.5nm
Half Bandwidth: 19.6nm
Dominant Wavelength: 468.4nm
Color Purity: 0.953
Central Wave: 462.4nm
Gravity Wave: 463.0nm
CRI: Ra=-38.4
TM30: Rf= 1, Rg= 37
GAI: GAI_BB_8=5.5, GAI_BB_15=6.9, GAI_EES=6.0

R1 =-7	R2 =-18	R3 =-110	R4 =-81	R5 =8	R6 =-33	R7 =-34	R8 =-32
R9 =-262	R10=-164	R11=-115	R12=-68	R13=-16	R14=-16	R15=10	

Color Quality Scale: Qa= 18.9, Qf= 22.9, Qp= 6.8, Qg= 31.6

Q1 =59	Q2 =46	Q3 =24	Q4 =28	Q5 =45	Q6 =63	Q7 =87	Q8 =63
Q9 =11	Q10=2	Q11=1	Q12=1	Q13=3	Q14=5	Q15=41	



Photometric Parameters

Luminous Flux: 84.853 lm
Efficiency: 12.20 lm/W
Radiant Power: 1.155 W
Total mains efficacy: 12.20 lm/W
Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 230.40V
Current: 0.0484A
Power: 6.95W
Power Factor: 0.6231
Frequency: 50.00Hz
DF: 0.7314

Test Infomation

Scan Range: 350~800:1nm
Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 0 Min ALC.: 1.0000
Photometric Condition: Sphere diameter: 1.75m, 4∏
Max of Signal: 45432 (3381)
CCD Integration Time: 331.71 ms

Condition: Tx:29.3'C, Ti:27.8'C, R.H.:60%
Test Device: Inventfine CMS-3500S
Test Lab: Runwin
Test Time: 2022-05-16 17:44:32
Operator: Admin
Inspector: