

Integrating Sphere Test Reports

RGB-CC4040MR-84-10-10m-GP

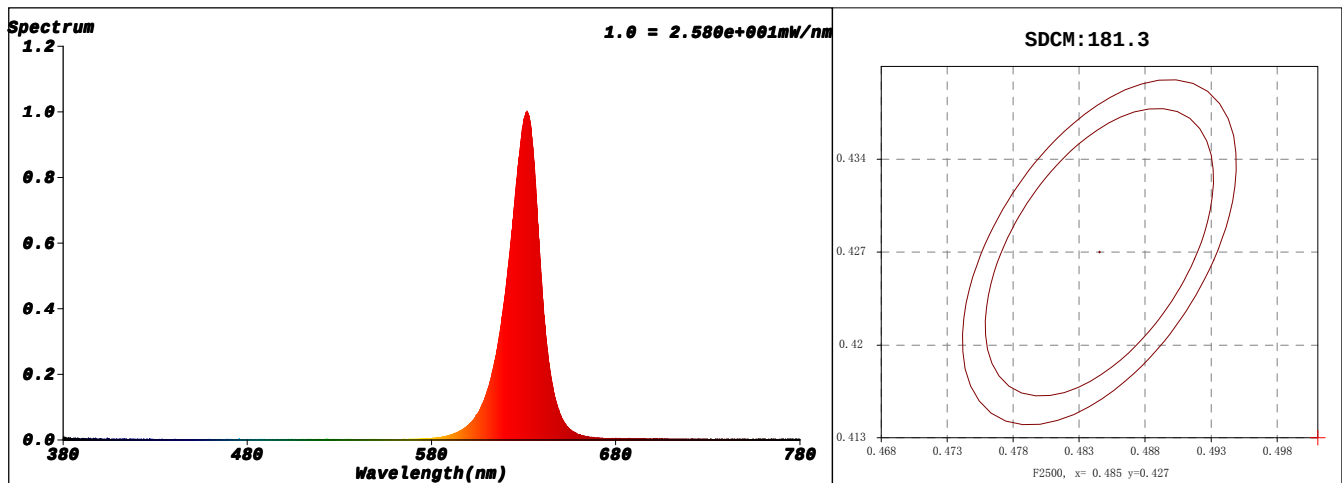
Test Sample: 1000mm

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 57456 (88%)
T : 2000 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6911$ $y = 0.3041$ / $u' = 0.5248$ $v' = 0.5197$ ($duv = -7.73e-02$)

CCT= 1001K Prcp WL: $L_d = 622.4nm$ Purity=98.6%

Peak WL: $L_p = 632nm$ FWHM: $\approx 18.3nm$ Ratio: R=95.2% G=4.7% B=0.1%

Render Index: $R_a = 30.9$

R1=15	R2=82	R3=34	R4=0	R5=12	R6=93	R7=10	
R8=0	R9=0	R10=78	R11=1	R12=74	R13=37	R14=62	R15=0

Photometric & Radiometric Parameters

Flux = 112.21 lm Eff. : 30.99 lm/W $F_e = 575.11 mW$ (EQE):192.63%

Electrical parameters

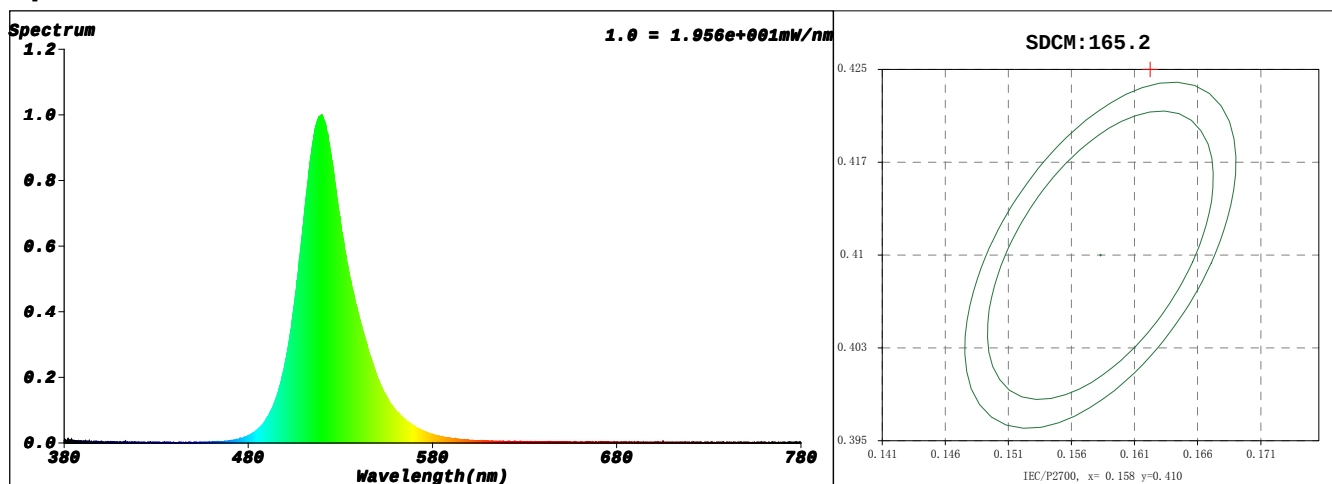
V = 24.00 V I = 0.1509 A P = 3.621 W PF = 1.000 F=0.00 Hz

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 58318 (89%)
T : 2000 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1619$ $y = 0.7306$ / $u' = 0.0566$ $v' = 0.5746$ (duv=1.60e-01)

CCT= 7924K Prcp WL: Ld=526.0nm Purity=81.2%

Peak WL: Lp=520nm FWHM: =28.7nm Ratio:R=0.4% G=97.9% B=1.8%

Render Index: Ra = 0.0

R1=0	R2=0	R3=0	R4=0	R5=0	R6=0	R7=0
R8=0	R9=0	R10=0	R11=0	R12=0	R13=0	R14=37 R15=0

Photometric & Radiometric Parameters

Flux = 332.54 lm Eff. : 91.04 lm/W Fe = 693.69 mW (EQE):192.78%

Electrical parameters

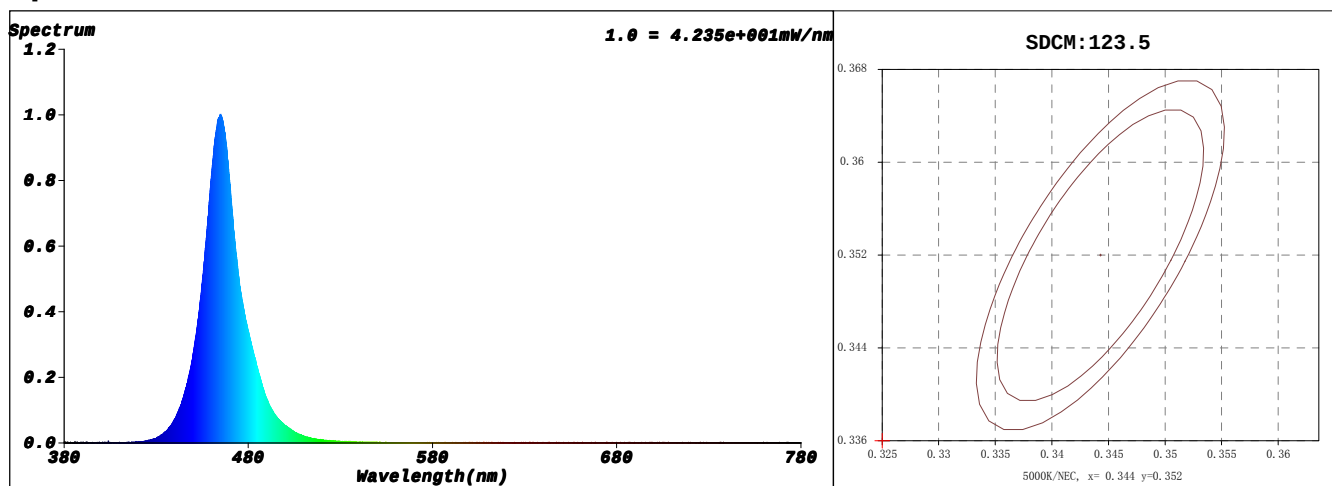
V = 24.00 V I = 0.1522 A P = 3.653 W PF = 1.000 F=0.00 Hz

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 49370 (75%)
T : 1000 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1334$ $y = 0.0608$ / $u' = 0.1541$ $v' = 0.1580$ (duv=1.63e-01)

CCT>=100000K Prcp WL: $L_d=468.8\text{nm}$ Purity=97.0%

Peak WL: $L_p=465\text{nm}$ FWHM: $\approx 19.8\text{nm}$ Ratio: R=0.3% G=14.3% B=85.4%

Render Index: $R_a = 0.1$

R1 = 0	R2 = 0	R3 = 0	R4 = 0	R5 = 1	R6 = 0	R7 = 0	
R8 = 0	R9 = 0	R10 = 0	R11 = 0	R12 = 0	R13 = 0	R14 = 0	R15 = 0

Photometric & Radiometric Parameters

Flux = 73.325 lm Eff. : 20.26 lm/W $F_e = 1.0774\text{ W}$ (EQE):269.01%

Electrical parameters

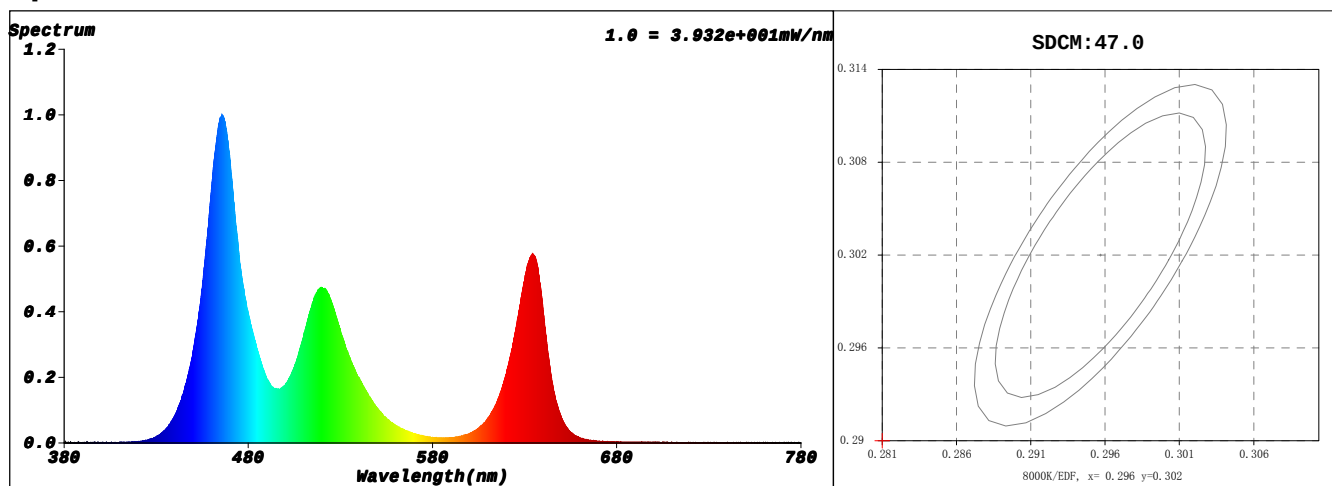
V = 24.00 V I = 0.1508 A P = 3.619 W PF = 1.000 F=0.00 Hz

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 46206 (71%)
T : 1000 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2327$ $y = 0.2571$ / $u' = 0.1656$ $v' = 0.4117$ ($duv=1.67e-02$)

CCT= 39140K Prcp WL: $L_d=481.2nm$ Purity=40.8%

Peak WL: $L_p=466nm$ FWHM: $\approx 21.3nm$ Ratio: R=18.7% G=67.5% B=13.9%

Render Index: $R_a = 56.2$

R1 =48 R2 =64 R3 =73 R4 =66 R5 =68 R6 =64 R7 =57

R8 =10 R9 =0 R10=16 R11=64 R12=65 R13=46 R14=82 R15=25

Photometric & Radiometric Parameters

Flux = 492.77 lm Eff. : 45.26 lm/W Fe = 2.2324 W (EQE):207.27%

Electrical parameters

V = 24.00 V I = 0.4537 A P = 10.89 W PF = 1.000 F=0.00 Hz