

Integrating Sphere Test Reports

RGB-5050-96-12-5m-GP

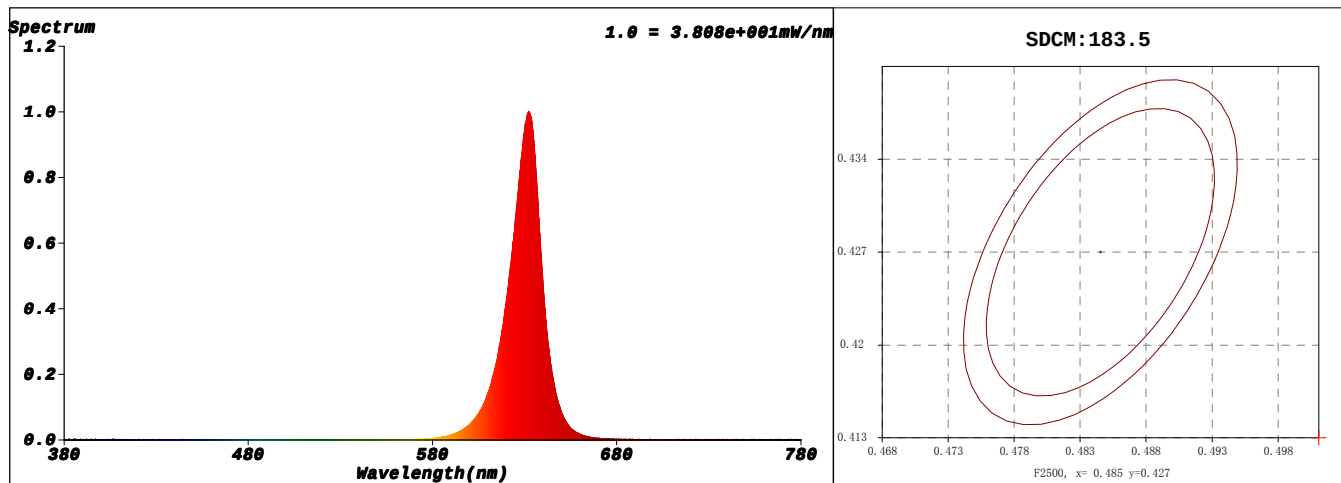
Test Sample: 1000mm

Test Condition

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

RH : 54%
IP : 51497 (79%)
T : 1216 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6949$ $y = 0.3048$ / $u' = 0.5277$ $v' = 0.5207$ ($duv = -8.02e-02$)

CCT= 1001K Prcp WL: Ld=621.8nm Purity=100.0%

Peak WL: Lp=632nm FWHM: ≈ 18.0 nm Ratio: R=95.5% G=4.5% B=0.0%

Render Index: Ra = 27.7

R1 =8	R2 =78	R3 =33	R4 =0	R5 =4	R6 =89	R7 =10	
R8 =0	R9 =0	R10=72	R11=0	R12=79	R13=31	R14=61	R15=0

Photometric & Radiometric Parameters

Flux = 162.43 lm Eff.: 25.98 lm/W Fe = 832.27 mW (EQE):161.81%

Electrical parameters

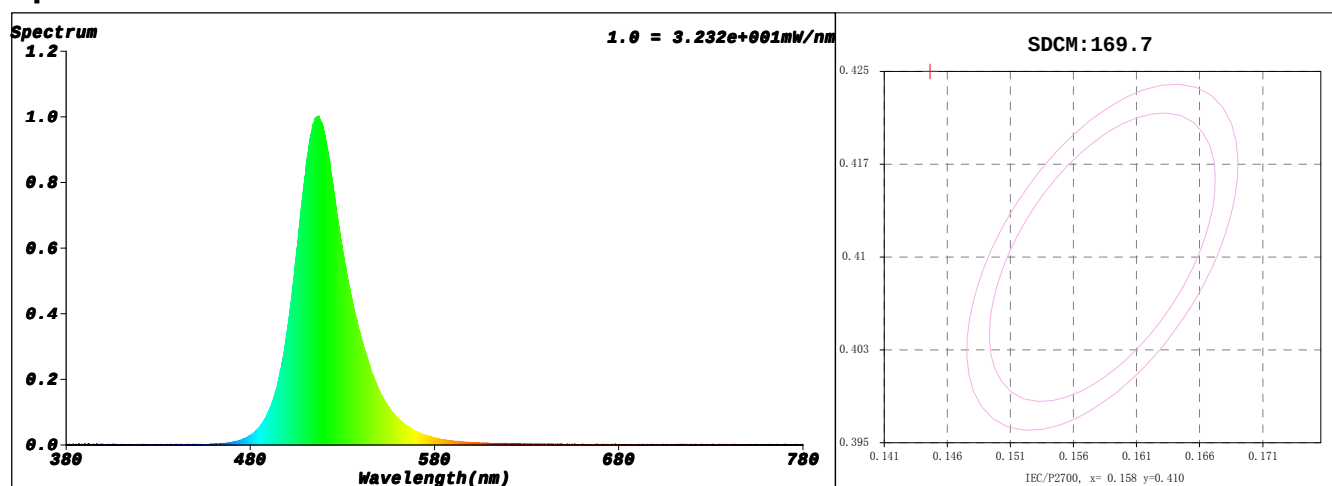
V = 24.00 V I = 0.2605 A P = 6.252 W PF = 1.000 F=0.00 Hz

Test Condition

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

RH : 54%
IP : 51294 (78%)
T : 1064 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1443$ $y = 0.7269$ / $u' = 0.0505$ $v' = 0.5722$ ($duv=1.65e-01$)

CCT= 8244K Prcp WL: $L_d=522.5nm$ Purity=78.9%

Peak WL: $L_p=517nm$ FWHM: $=29.7nm$ Ratio: $R=0.3\%$ $G=97.1\%$ $B=2.6\%$

Render Index: $R_a = 0.0$

$R1=0$	$R2=0$	$R3=0$	$R4=0$	$R5=0$	$R6=0$	$R7=0$
$R8=0$	$R9=0$	$R10=0$	$R11=0$	$R12=0$	$R13=0$	$R14=35$ $R15=0$

Photometric & Radiometric Parameters

Flux = 526.48 lm Eff. : 76.46 lm/W $F_e = 1.1475 W$

(EQE):168.11%

Electrical parameters

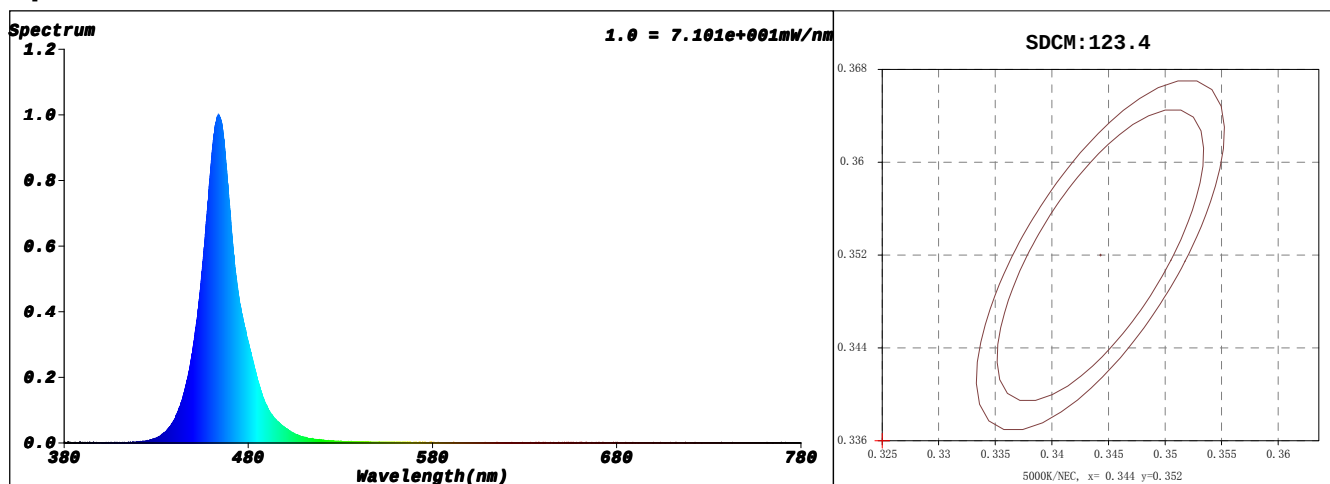
$V = 24.00 V$ $I = 0.2869 A$ $P = 6.885 W$ $PF = 1.000$ $F=0.00 Hz$

Test Condition

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

RH : 54%
IP : 43506 (66%)
T : 532 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1357$ $y = 0.0580$ / $u' = 0.1585$ $v' = 0.1524$ ($duv=1.66e-01$)

CCT>=100000K Prcp WL: Ld=467.9nm Purity=96.9%

Peak WL: Lp=464nm FWHM: =19.0nm Ratio:R=0.6% G=15.0% B=84.4%

Render Index: Ra = 0.6

R1 =0	R2 =0	R3 =0	R4 =0	R5 =5	R6 =0	R7 =0
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0 R15=1

Photometric & Radiometric Parameters

Flux = 116.22 lm Eff.: 17.76 lm/W Fe = 1.7527 W

(EQE):241.66%

Electrical parameters

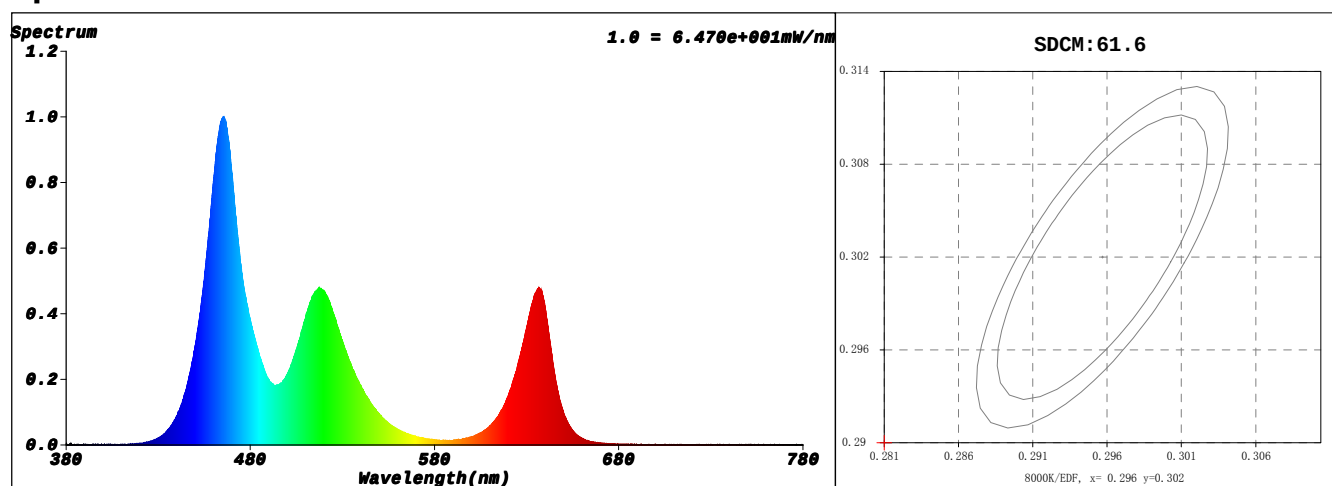
V = 24.00 V I = 0.2727 A P = 6.545 W PF = 1.000 F=0.00 Hz

Test Condition

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

RH : 54%
IP : 40323 (62%)
T : 532 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2152$ $y = 0.2508$ / $u' = 0.1543$ $v' = 0.4046$ ($duv=2.66e-02$)

CCT>=100000K Prcp WL: Ld=482.1nm Purity=47.1%

Peak WL: Lp=465nm FWHM: =21.2nm Ratio:R=15.8% G=69.4% B=14.8%

Render Index: Ra = 64.0

R1 =65 R2 =67 R3 =69 R4 =79 R5 =81 R6 =65 R7 =59

R8 =28 R9 =0 R10=20 R11=74 R12=67 R13=56 R14=80 R15=42

Photometric & Radiometric Parameters

Flux = 770.35 lm Eff. : 37.90 lm/W Fe = 3.5798 W

(EQE):176.57%

Electrical parameters

V = 24.00 V I = 0.8469 A P = 20.32 W PF = 1.000 F=0.00 Hz