



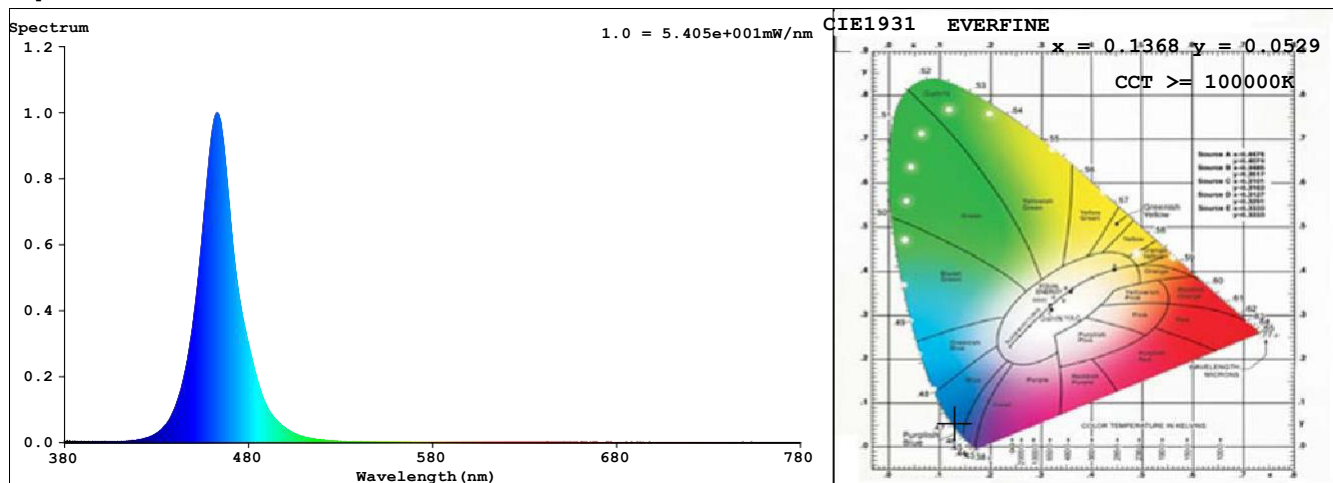
Spectrum Test Report

Sample	:E12W230RGB	Date	: 2020-09-22 17:48:40
Specification	: 5050 60LED 10MM 12V 14.4W RGB 1M	Sam. Status	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:LD60-R5050-RGB-12-IP68		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52896 (81%)
Test Mode	: Fast Test	T	: 120 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1368$ $y = 0.0529$ / $u' = 0.1628$ $v' = 0.1416$ ($duv=1.72e-01$)

$CCT \geq 100000K$ Prcp WL: $L_d=466.9nm$ Purity=97.4%

Peak WL: $L_p=463nm$ FWHM: $=20.7nm$ Ratio: $R=0.3\%$ $G=12.2\%$ $B=87.5\%$

Render Index: $R_a = 0.0$ $CRI = 0.0$ $AvgR = 0.0$ $TM30:R_f=0$ $R_g=38$

$R_1 = 0$ $R_2 = 0$ $R_3 = 0$ $R_4 = 0$ $R_5 = 0$ $R_6 = 0$ $R_7 = 0$

$R_8 = 0$ $R_9 = 0$ $R_{10} = 0$ $R_{11} = 0$ $R_{12} = 0$ $R_{13} = 0$ $R_{14} = 0$ $R_{15} = 0$

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 86.795 lm Eff. : 17.72 lm/W Fe = 1.4115 W

Electrical parameters

V = 12.00 V I = 0.4083 A P = 4.899 W PF = 1.000 F=0.00 Hz



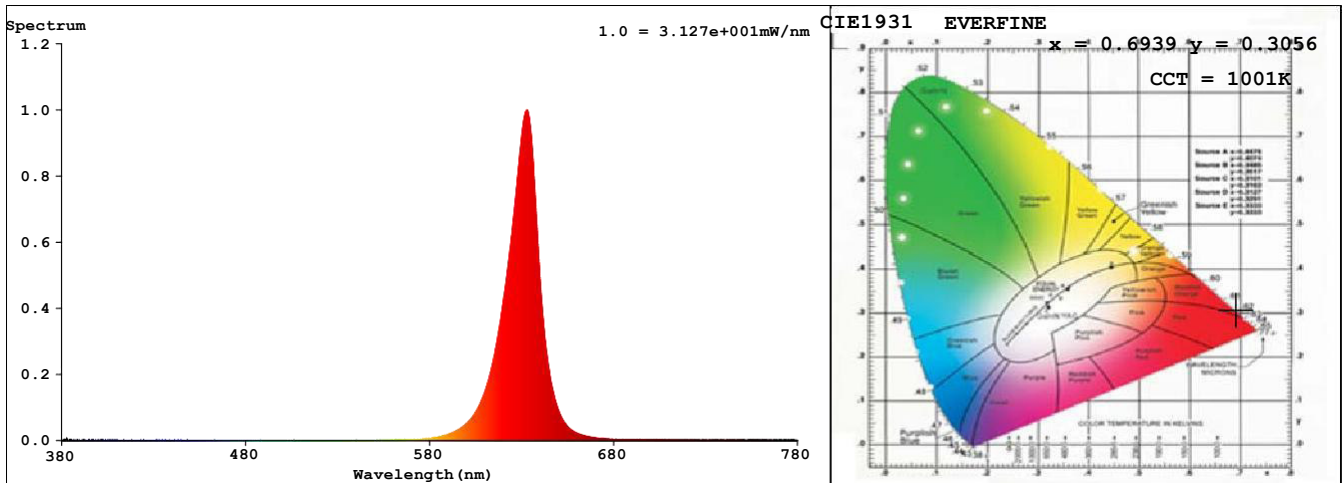
Spectrum Test Report

Sample	:E12W230RGB	Date	: 2020-09-22 17:49:14
Specification	: 5050 60LED 10MM 24V 14.4W RGB 1M	Sam. Status	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:Velleman
Assessor	:		
Remark	:LD60-R5050-RGB-12-IP68		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49331 (75%)
Test Mode	: Fast Test	T	: 120 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6939$ $y = 0.3056$ / $u' = 0.5258$ $v' = 0.5210$ ($duv = -7.82e-02$)

CCT= 1001K Prcp WL: $L_d = 621.4\text{nm}$ Purity=99.9%

Peak WL: $L_p = 633\text{nm}$ FWHM: $= 17.8\text{nm}$ Ratio: R=94.7% G=5.3% B=0.0%

Render Index: $R_a = 28.8$ CRI = 34.0 AvgR = 31.7 TM30: $R_f = 19$ $R_g = -1$

R1 = 10 R2 = 78 R3 = 35 R4 = 0 R5 = 6 R6 = 89 R7 = 12

R8 = 0 R9 = 0 R10 = 72 R11 = 0 R12 = 79 R13 = 31 R14 = 62 R15 = 0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 134.10 lm Eff. : 26.97 lm/W $\Phi_e = 688.15$ mW

Electrical parameters

V = 12.00 V I = 0.4144 A P = 4.972 W PF = 1.000 F=0.00 Hz



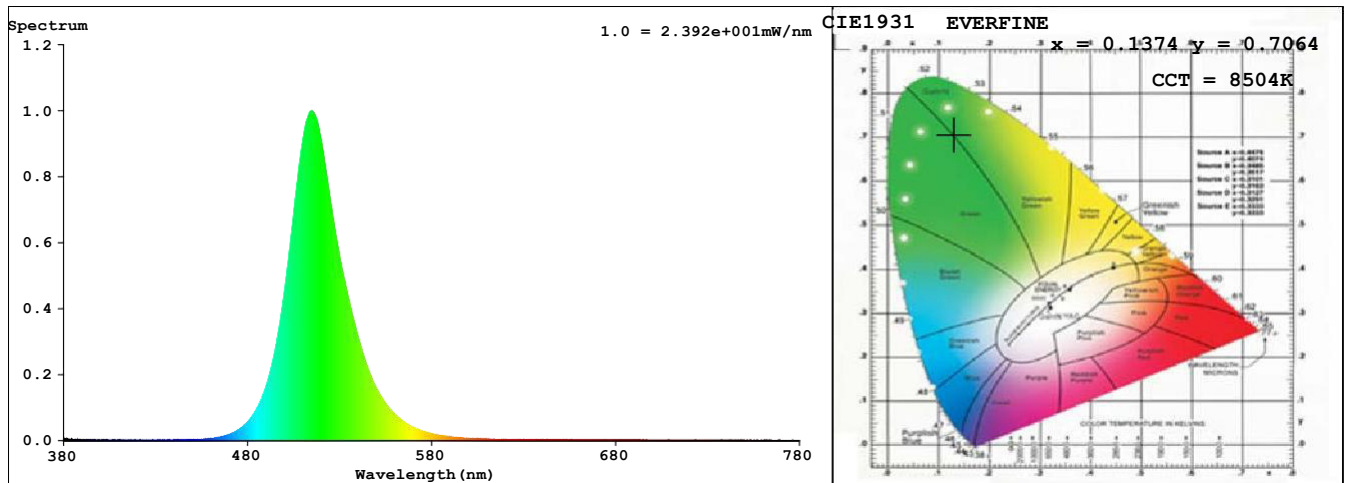
Spectrum Test Report

Sample	: E12W230RGB	Date	: 2020-09-22 17:49:43
Specification	: 5050 60LED 10MM 24V 14.4W RGB 1M	Sam. Status	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	: damin		
Remark	: LD60-R5050-RGB-12-IP68		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53062 (81%)
Test Mode	: Fast Test	T	: 177 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1374$ $y = 0.7064$ / $u' = 0.0490$ $v' = 0.5675$ ($duv=1.65e-01$)

CCT= 8504K Prcp WL: Ld=519.5nm Purity=74.7%

Peak WL: Lp=515nm FWHM: =30.8nm Ratio:R=0.2% G=95.9% B=3.8%

Render Index: Ra = 0.0 CRI = 2.8 AvgR = 2.6 TM30:Rf=0 Rg=8

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=39 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 388.93 lm Eff. : 82.02 lm/W Fe = 888.43 mW

Electrical parameters

V = 12.00 V I = 0.3952 A P = 4.742 W PF = 1.000 F=0.00 Hz



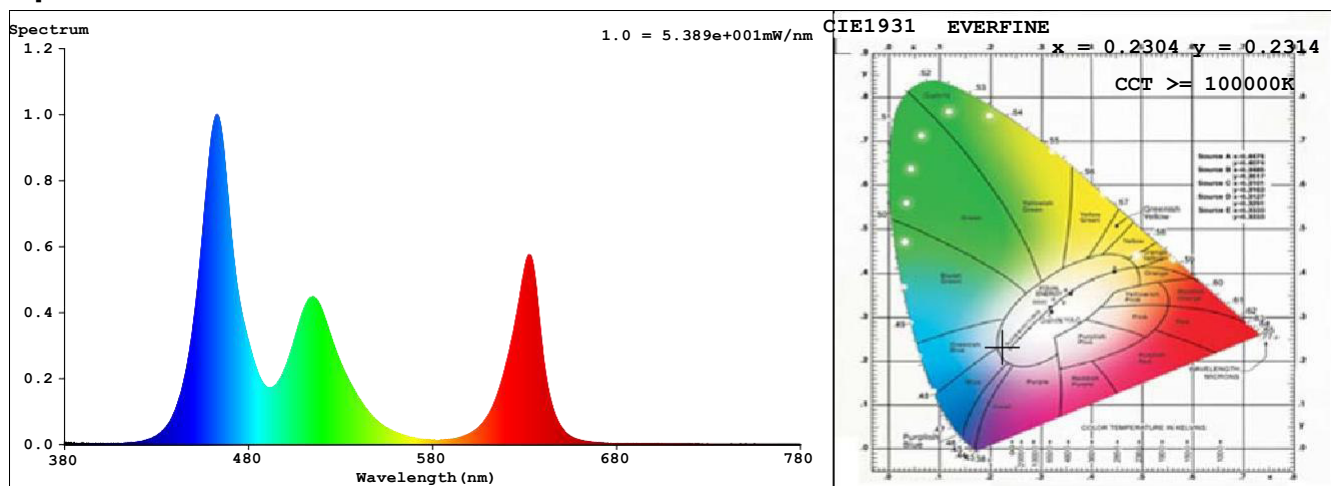
Spectrum Test Report

Sample	:E12W230RGB	Date	: 2020-09-22 17:50:10
Specification	: 5050 60LED 10MM 24V 14.4W RGB 1M	Sam. Status	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:Velleman
Assessor	:		
Remark	:LD60-R5050-RGB-12-IP68		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53215 (81%)
Test Mode	: Fast Test	T	: 121 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2304$ $y = 0.2314$ / $u' = 0.1733$ $v' = 0.3918$ ($duv=8.72e-03$)

CCT>=100000K Prcp WL: Ld=477.2nm Purity=44.5%

Peak WL: Lp=463nm FWHM: =20.5nm Ratio:R=21.1% G=64.1% B=14.8%

Render Index: Ra = 44.4 CRI = 40.0 AvgR = 37.9 TM30:Rf=39 Rg=113

R1 =30 R2 =51 R3 =63 R4 =53 R5 =52 R6 =50 R7 =56

R8 =1 R9 =0 R10=0 R11=41 R12=58 R13=30 R14=75 R15=9

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 600.24 lm Eff. : 42.19 lm/W Fe = 2.9350 W

Electrical parameters

V = 12.00 V I = 1.186 A P = 14.23 W PF = 1.000 F=0.00 Hz

EVERFINE CORPORATION

<http://www.everfine.cn>