

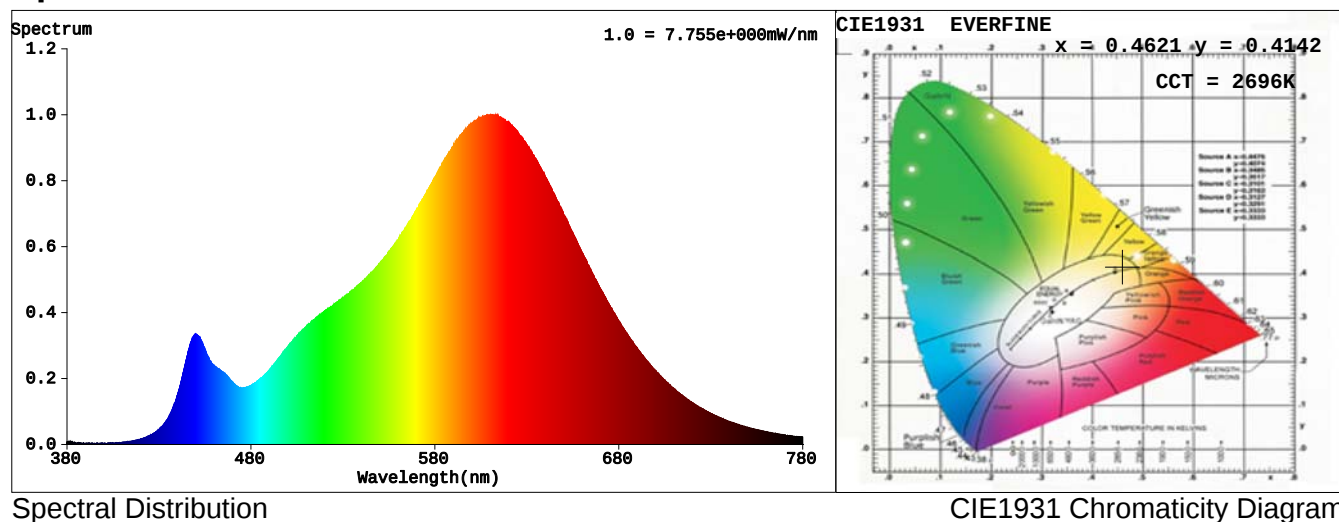
Spectrum Test Report

Sample	:	Date	:	2019-06-21 10:55:54	
Specification	:	FE19C-P0-G1 27ZRG27ZB827 24V120S WSam.	Status	:	
Sample No.	:	3595	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52741 (80%)
Test Mode	:	Fast Test	T	:	478 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4621$ $y = 0.4142$ / $u' = 0.2624$ $v' = 0.5290$ ($duv=1.12e-03$)

CCT= 2696K Prcp WL: $L_d=583.9nm$ Purity=63.0%

Peak WL: $L_p=610nm$ FWHM: $=125.8nm$ Ratio:R=25.4% G=72.2% B=2.3%

Render Index: $R_a = 85.4$ CRI = 81.3 AvgR = 81.0 TM30:Rf=86 Rg=96

R1 =84 R2 =93 R3 =96 R4 =84 R5 =85 R6 =93 R7 =84

R8 =64 R9 =22 R10=85 R11=84 R12=79 R13=86 R14=99 R15=77

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 358.56 lm Eff. : 73.46 lm/W $F_e = 1.1535 W$

Flux of emitted photons($\mu mol/s$):5.7126 Fluo. and blue light ratio:14.20 Fluorescent eff.:220.8

Electrical parameters

V = 24.00 V I = 0.2034 A P = 4.881 W PF = 1.000 F=0.00 Hz

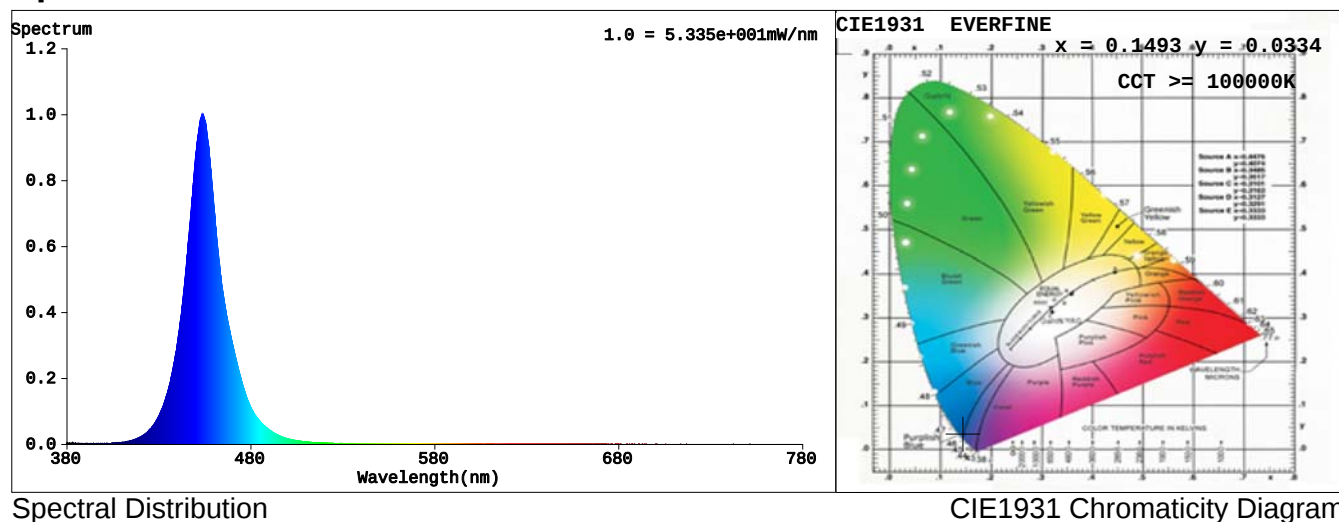
Spectrum Test Report

Sample	:	Date	:	2019-06-21 10:57:10	
Specification	:	FE19C-P0-G1 27ZRG27ZB827 24V120S WSam.	Status	:	
Sample No.	:	3596	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	47781 (73%)
Test Mode	:	Fast Test	T	:	119 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1493$ $y = 0.0334$ / $u' = 0.1925$ $v' = 0.0969$ ($duv = -2.02e-01$)

$\text{CCT} \geq 100000\text{K}$ Prcp WL: $L_d = 458.8\text{nm}$ Purity = 98.1%

Peak WL: $L_p = 454\text{nm}$ FWHM: $\approx 19.8\text{nm}$ Ratio: R=0.7% G=12.1% B=87.1%

Render Index: $R_a = 0.7$ CRI = 0.4 AvgR = 0.8 TM30: $R_f = 0$ $R_g = 30$

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 = 6

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 58.500 lm Eff. : 11.61 lm/W $F_e = 1.3519 \text{ W}$

Flux of emitted photons($\mu\text{mol/s}$): 5.1479 Fluo. and blue light ratio: 0.05657 Fluorescent eff.: 14.38

Electrical parameters

V = 24.00 V I = 0.2099 A P = 5.037 W PF = 1.000 F = 0.00 Hz

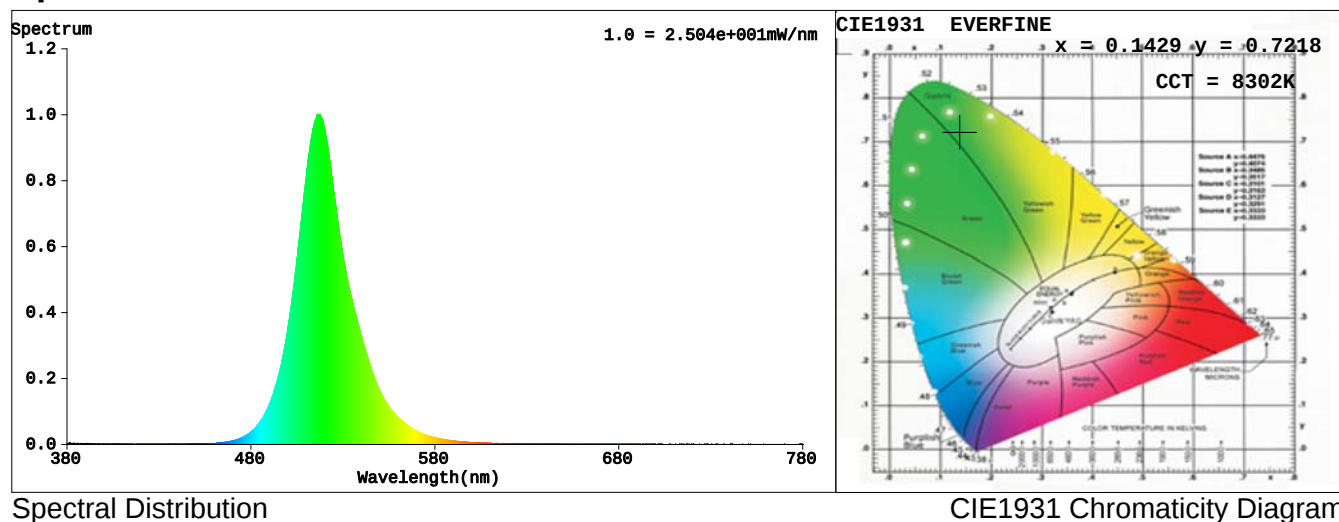
Spectrum Test Report

Sample	:	Date	:	2019-06-21 10:57:42	
Specification	:	FE19C-P0-G1 27ZRG27ZB827 24V120S WSam.	Status	:	
Sample No.	:	3597	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	53046 (81%)
Test Mode	:	Fast Test	T	:	165 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1429$ $y = 0.7218$ / $u' = 0.0502$ $v' = 0.5711$ ($duv=1.65e-01$)

CCT= 8302K Prcp WL: $L_d=521.8nm$ Purity=77.7%

Peak WL: $L_p=517nm$ FWHM: $=28.8nm$ Ratio:R=0.2% G=96.9% B=2.9%

Render Index: $R_a = 0.0$ CRI = 2.6 AvgR = 2.5 TM30:Rf=0 Rg=7

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

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 403.32 lm Eff. : 78.83 lm/W $F_e = 884.95 mW$

Flux of emitted photons($\mu mol/s$):3.8501 Fluo. and blue light ratio:103.2 Fluorescent eff.:171.3

Electrical parameters

V = 24.00 V I = 0.2132 A P = 5.116 W PF = 1.000 F=0.00 Hz

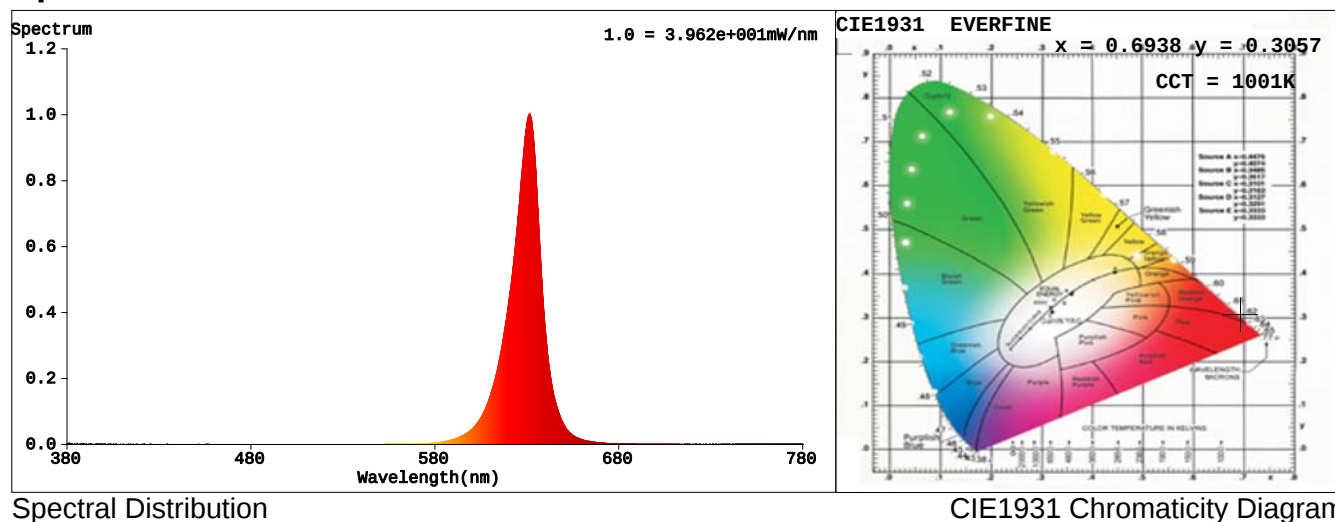
Spectrum Test Report

Sample	:	Date	:	2019-06-21 10:58:06	
Specification	:	FE19C-P0-G1 27ZRG27ZB827 24V120S WSam.	Status	:	
Sample No.	:	3598	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	53158 (81%)
Test Mode	:	Fast Test	T	:	103 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6938$ $y = 0.3057$ / $u' = 0.5255$ $v' = 0.5210$ ($duv = -7.79e-02$)

CCT= 1001K Prcp WL: $L_d = 621.3nm$ Purity=99.9%

Peak WL: $L_p = 632nm$ FWHM: $\approx 16.5nm$ Ratio: R=95.4% G=4.6% B=0.0%

Render Index: $R_a = 27.5$ CRI = 33.0 AvgR = 30.8 TM30: $R_f = 12$ $R_g = -1$

R1 =8 R2 =78 R3 =32 R4 =0 R5 =3 R6 =89 R7 =8

R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=30 R14=61 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 163.64 lm Eff. : 31.66 lm/W $F_e = 812.27 mW$

Flux of emitted photons($\mu mol/s$): 4.2584 Fluo. and blue light ratio: 5335 Fluorescent eff.: 157.1

Electrical parameters

V = 24.00 V I = 0.2154 A P = 5.169 W PF = 1.000 F=0.00 Hz

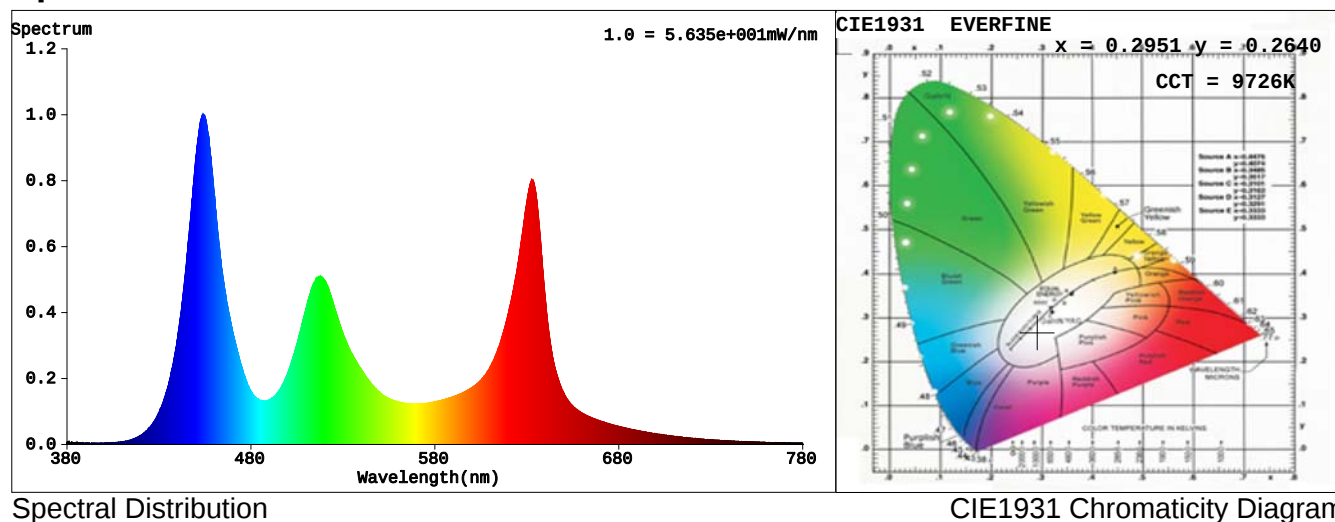
Spectrum Test Report

Sample	:	Date	:	2019-06-21 10:59:51	
Specification	:	FE19C-P0-G1 27ZRG27ZB827 24V120S WSam.	Status	:	
Sample No.	:	3599	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	51561 (79%)
Test Mode	:	Fast Test	T	:	88 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2951$ $y = 0.2640$ / $u' = 0.2116$ $v' = 0.4260$ ($duv = -2.32e-02$)

CCT= 9726K Prcp WL: $L_d = 448.2\text{nm}$ Purity=21.9%

Peak WL: $L_p = 454\text{nm}$ FWHM: $\approx 21.1\text{nm}$ Ratio: R=24.2% G=68.3% B=7.5%

Render Index: $R_a = 47.4$ CRI = 42.5 AvgR = 40.6 TM30: $R_f = 63$ $R_g = 127$

R1 =28 R2 =68 R3 =78 R4 =27 R5 =40 R6 =62 R7 =70

R8 =6 R9 =0 R10=30 R11=5 R12=64 R13=36 R14=82 R15=14

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1004.6 lm Eff. : 49.46 lm/W $F_e = 4.3150\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):19.453 Fluo. and blue light ratio:0.6097 Fluorescent eff.:80.48

Electrical parameters

V = 24.00 V I = 0.8464 A P = 20.31 W PF = 1.000 F=0.00 Hz

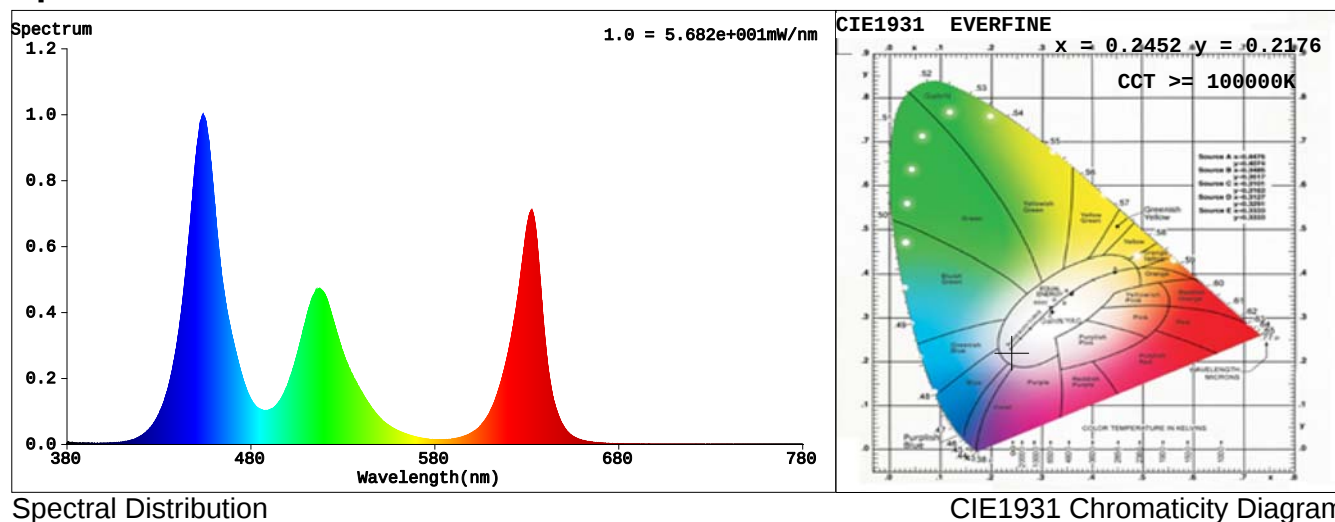
Spectrum Test Report

Sample	:	Date	:	2019-06-21 11:01:14	
Specification	:	FE19C-P0-G1 27ZRG27ZB827 24V120S WSam.	Status	:	
Sample No.	:	3600	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	46031 (70%)
Test Mode	:	Fast Test	T	:	88 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2452$ $y = 0.2176$ / $u' = 0.1915$ $v' = 0.3825$ ($duv = -1.54e-02$)

CCT>=100000K Prcp WL: $L_d = 470.1\text{nm}$ Purity=42.1%

Peak WL: $L_p = 454\text{nm}$ FWHM: $\approx 20.3\text{nm}$ Ratio: R=23.9% G=65.7% B=10.4%

Render Index: $R_a = 39.7$ CRI = 34.9 AvgR = 32.6 TM30: $R_f = 43$ $R_g = 131$

R1 =14 R2 =60 R3 =70 R4 =19 R5 =36 R6 =59 R7 =60

R8 =0 R9 =0 R10=5 R11=0 R12=67 R13=23 R14=76 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 660.95 lm Eff. : 43.08 lm/W $F_e = 3.2525\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):14.115 Fluo. and blue light ratio:0.3538 Fluorescent eff.:55.41

Electrical parameters

V = 24.00 V I = 0.6393 A P = 15.34 W PF = 1.000 F=0.00 Hz