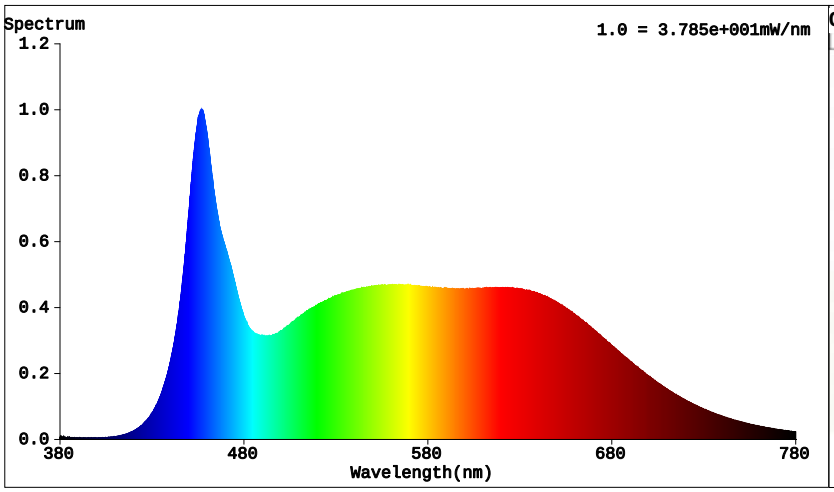
Spectrum Test Report

Sample	:	Date	: 2019-04-25 09:10:49
Specification	: FH15W-P0-G1 21X950 24V240S W10L05	Sam. Status	:
Sample No.	: 1151	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

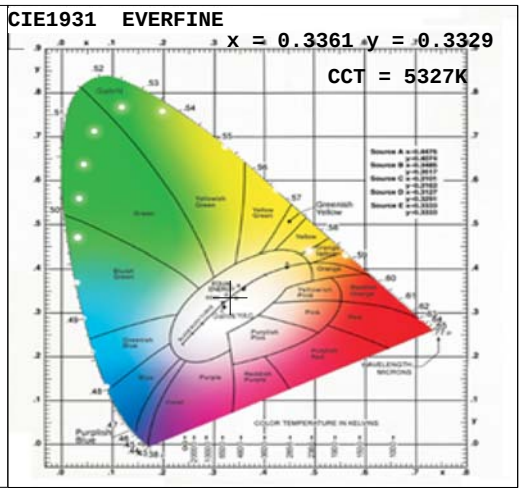
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52329 (80%)
Test Mode	: Fast Test	T	: 172 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3361 y = 0.3329 / u' = 0.2126 v' = 0.4739 (duv=-5.89e-03)

CCT= 5327K Prcp WL: Ld=644.1nm Purity=0.7%

Peak WL: Lp=457nm FWHM: =27.0nm Ratio:R=17.8% G=75.9% B=6.3%

Render Index: Ra = 94.6 CRI = 93.4 AvgR = 93.5 TM30:Rf=89 Rg=101

R1 =95	R2 =96	R3 =97	R4 =94	R5 =94	R6 =92	R7 =94	
R8 =95	R9 =96	R10=95	R11=94	R12=71	R13=96	R14=99	R15=94

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1226.6 lm Eff. : 81.26 lm/W Fe = 4.6309 W

Flux of emitted photons(umol/s):21.849 Fluo. and blue light ratio:2.909 Fluorescent eff.:228.4

Electrical parameters

V = 24.00 V I = 0.6290 A P = 15.09 W PF = 1.000 F=0.00 Hz

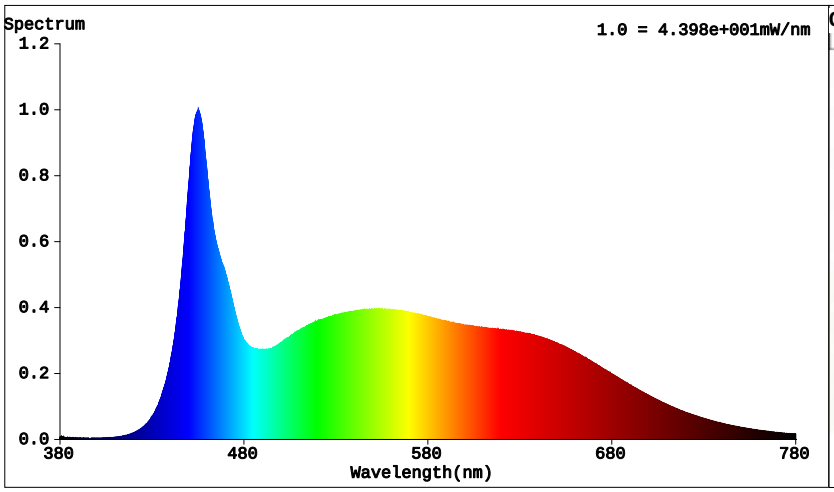
Spectrum Test Report

Sample	:	Date	: 2019-04-25 09:13:44
Specification	: FH15W-P0-G1 21X950 24V240S W10L05	Sam. Status	:
Sample No.	: 1152	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

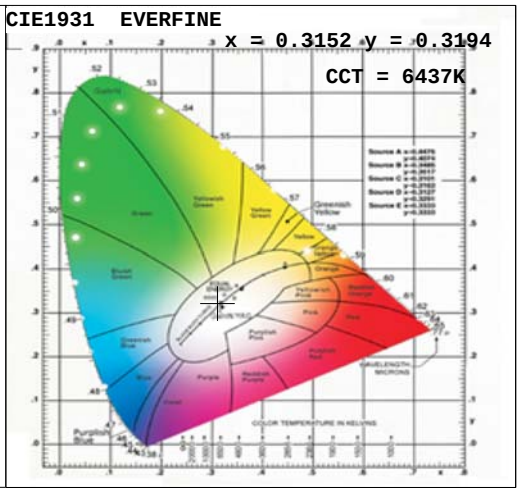
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 58757 (90%)
Test Mode	: Fast Test	T	: 172 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3152 y = 0.3194 / u' = 0.2033 v' = 0.4635 (duv=-3.09e-03)

CCT= 6437K Prcp WL: Ld=481.0nm Purity=7.4%

Peak WL: Lp=455nm FWHM: =24.0nm Ratio:R=15.8% G=77.4% B=6.8%

Render Index: Ra = 94.0 CRI = 92.3 AvgR = 92.5 TM30:Rf=88 Rg=100

R1 =95	R2 =98	R3 =96	R4 =92	R5 =92	R6 =91	R7 =94	
R8 =94	R9 =92	R10=95	R11=92	R12=65	R13=98	R14=98	R15=95

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1171.9 lm Eff. : 83.32 lm/W Fe = 4.3917 W

Flux of emitted photons(umol/s):20.379 Fluo. and blue light ratio:2.436 Fluorescent eff.:221.4

Electrical parameters

V = 24.00 V I = 0.5861 A P = 14.07 W PF = 1.000 F=0.00 Hz

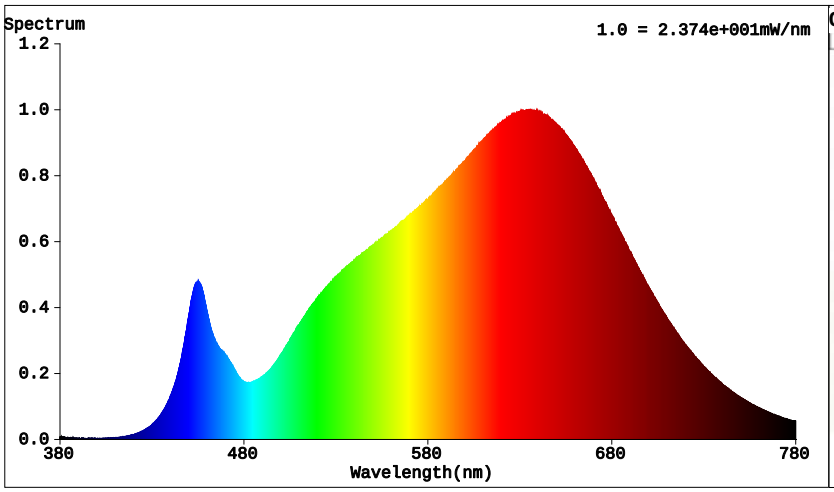
Spectrum Test Report

Sample	:	Date	: 2019-04-25 09:16:22
Specification	: FH15W-P0-G1 21X927 24V240S W10L05	Sam. Status	:
Sample No.	: 1153	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

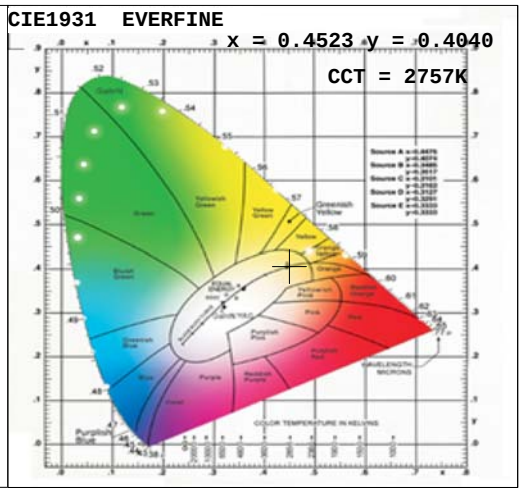
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53545 (82%)
Test Mode	: Fast Test	T	: 172 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.4523 y = 0.4040 / u' = 0.2605 v' = 0.5237 (duv=-1.79e-03)

CCT= 2757K Prcp WL: Ld=584.5nm Purity=57.0%

Peak WL: Lp=635nm FWHM: =165.1nm Ratio:R=26.0% G=71.6% B=2.4%

Render Index: Ra = 93.9 CRI = 91.4 AvgR = 91.5 TM30:Rf=91 Rg=102

R1 =95 R2 =96 R3 =95 R4 =93 R5 =94 R6 =94 R7 =95

R8 =89 R9 =75 R10=90 R11=93 R12=79 R13=95 R14=96 R15=93

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 1089.7 lm Eff. : 75.14 lm/W Fe = 4.1551 W

Flux of emitted photons(umol/s):21.021 Fluo. and blue light ratio:11.90 Fluorescent eff.:264.3

Electrical parameters

V = 24.00 V I = 0.6043 A P = 14.50 W PF = 1.000 F=0.00 Hz

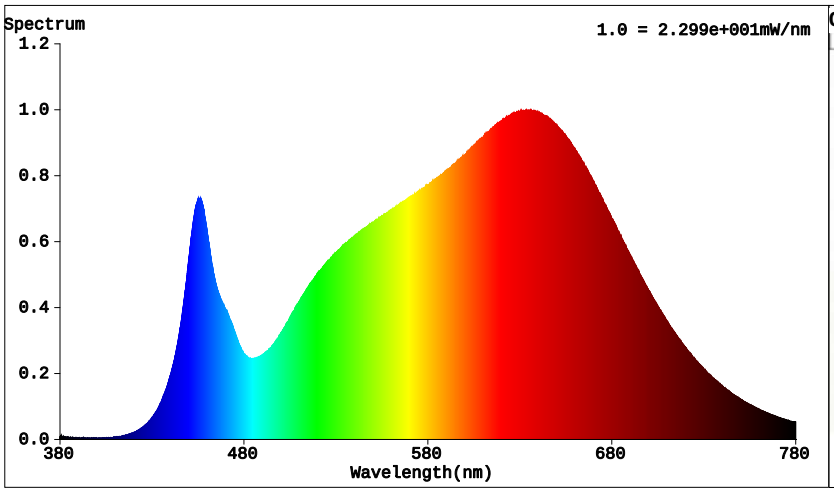
Spectrum Test Report

Sample	:	Date	: 2019-04-25 09:17:01
Specification	: FH15W-P0-G1 21X930 24V240S W10L05	Sam. Status	:
Sample No.	: 1154	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

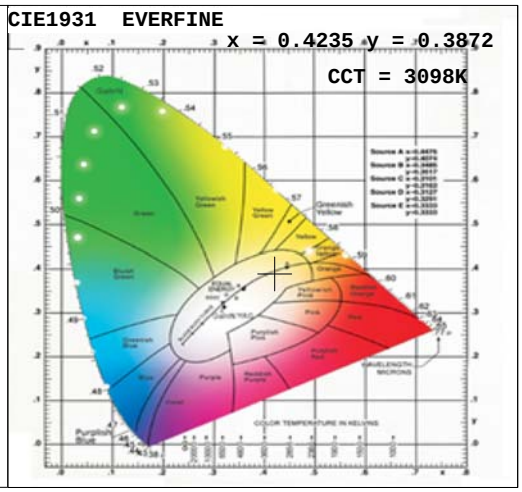
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52058 (79%)
Test Mode	: Fast Test	T	: 172 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.4235 y = 0.3872 / u' = 0.2491 v' = 0.5125 (duv=-4.99e-03)

CCT= 3098K Prcp WL: Ld=584.5nm Purity=43.3%

Peak WL: Lp=634nm FWHM: =175.9nm Ratio:R=24.2% G=72.7% B=3.2%

Render Index: Ra = 95.6 CRI = 93.6 AvgR = 93.8 TM30:Rf=91 Rg=103

R1 =97	R2 =98	R3 =96	R4 =94	R5 =96	R6 =95	R7 =95	
R8 =93	R9 =85	R10=94	R11=93	R12=78	R13=98	R14=97	R15=97

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1143.1 lm Eff. : 74.79 lm/W Fe = 4.3332 W

Flux of emitted photons(umol/s):21.603 Fluo. and blue light ratio:7.906 Fluorescent eff.:251.7

Electrical parameters

V = 24.00 V I = 0.6369 A P = 15.28 W PF = 1.000 F=0.00 Hz

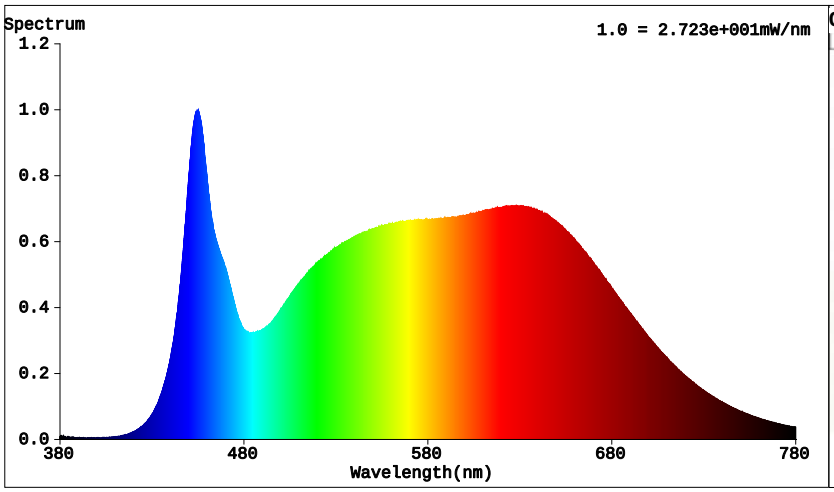
Spectrum Test Report

Sample	:	Date	: 2019-04-25 09:17:40
Specification	: FH15W-P0-G1 21X940 24V240S W10L05	Sam. Status	:
Sample No.	: 1155	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

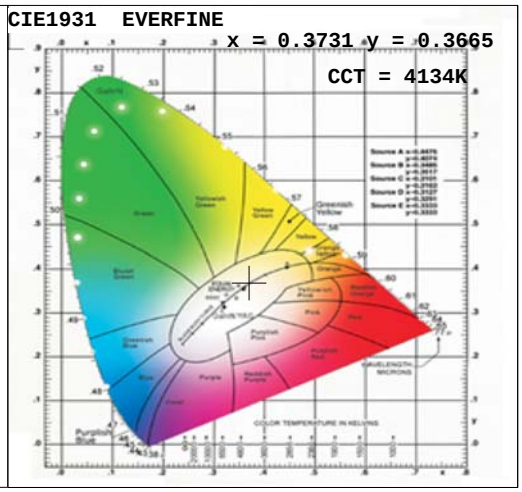
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 46627 (71%)
Test Mode	: Fast Test	T	: 172 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3731 y = 0.3665 / u' = 0.2244 v' = 0.4959 (duv=-2.67e-03)

CCT= 4134K Prcp WL: Ld=580.3nm Purity=21.9%

Peak WL: Lp=455nm FWHM: =25.2nm Ratio:R=19.7% G=75.8% B=4.5%

Render Index: Ra = 94.8 CRI = 92.1 AvgR = 92.4 TM30:Rf=90 Rg=100

R1 =96 R2 =98 R3 =96 R4 =93 R5 =94 R6 =93 R7 =96

R8 =93 R9 =85 R10=92 R11=92 R12=68 R13=97 R14=97 R15=96

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 1222.6 lm Eff. : 84.12 lm/W Fe = 4.4606 W

Flux of emitted photons(umol/s):21.568 Fluo. and blue light ratio:4.778 Fluorescent eff.:253.9

Electrical parameters

V = 24.00 V I = 0.6056 A P = 14.53 W PF = 1.000 F=0.00 Hz