

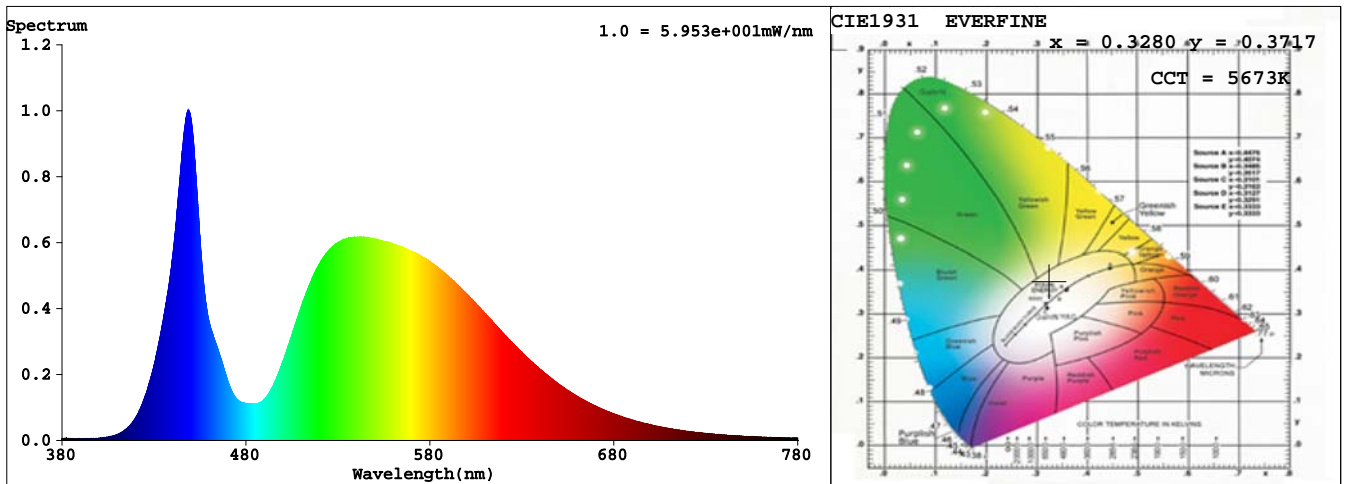
Spectrum Test Report

Sample	:	Date	:	2023-04-20 08:55:16
Specification	:	Standardtus	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52543 (80%)
Test Mode	:	Fast Test	T	:	594 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3280$ $y = 0.3717$ / $u' = 0.1928$ $v' = 0.4916$ ($duv=1.68e-02$) $Du, Dv: -0.0128, 0.0109$

CCT= 5673K Prcp WL: $L_d=547.1nm$ Purity=10.2%

Peak WL: $L_p=449nm$ FWHM: $=17.8nm$ Ratio: R=11.6% G=85.4% B=3.0%

Render Index: $R_a = 67.2$

R1 =61	R2 =71	R3 =80	R4 =68	R5 =64	R6 =63	R7 =80	
R8 =51	R9 =0	R10=33	R11=64	R12=35	R13=62	R14=89	R15=53

Photometric & Radiometric Parameters

Flux = 2123.8 lm Eff. : 186.71 lm/W Fe = 6.0590 W

Electrical parameters

V = 32.50 V I = 0.3500 A P = 11.37 W PF = 1.000 F=0.00 Hz

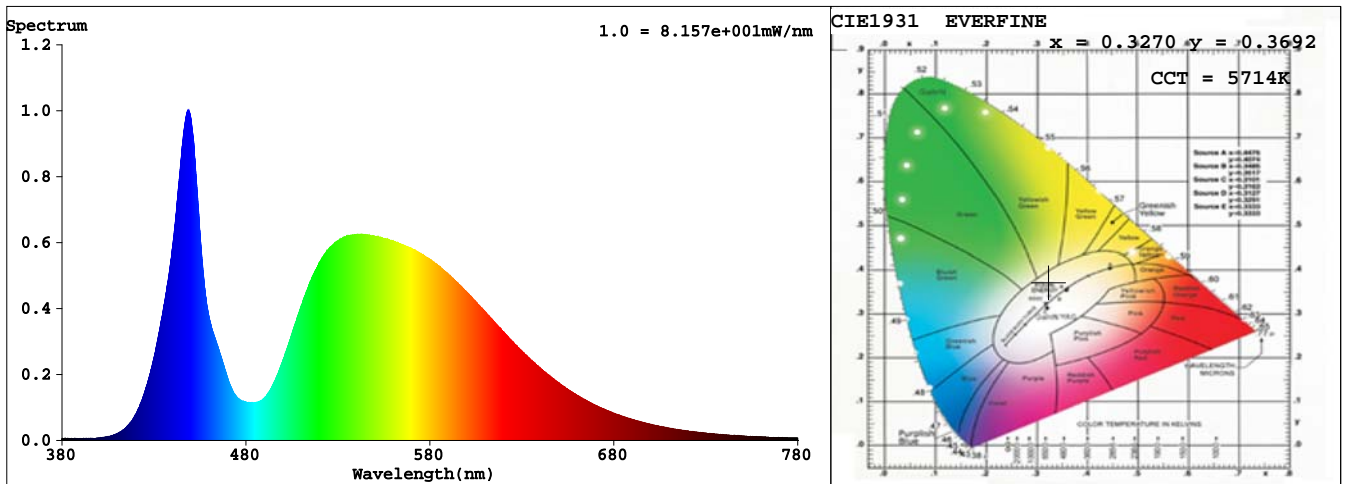
Spectrum Test Report

Sample	:	Date	:	2023-04-20 08:55:43
Specification	:	Standardtus	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52543 (80%)
Test Mode	:	Fast Test	T	:	427 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3270$ $y = 0.3692$ / $u' = 0.1930$ $v' = 0.4903$ ($duv=1.61e-02$) $Du, Dv: -0.0122, 0.0104$
 CCT= 5714K Prcp WL: $L_d=544.7nm$ Purity=9.1%
 Peak WL: $L_p=449nm$ FWHM: $=18.8nm$ Ratio: R=11.6% G=85.4% B=3.1%

Render Index: $R_a = 67.4$

R1 =62 R2 =71 R3 =80 R4 =68 R5 =64 R6 =63 R7 =80
 R8 =52 R9 =0 R10=33 R11=64 R12=36 R13=63 R14=89 R15=54

Photometric & Radiometric Parameters

Flux = 2946.5 lm Eff. : 178.44 lm/W Fe = 8.4640 W

Electrical parameters

V = 33.03 V I = 0.5000 A P = 16.51 W PF = 1.000 F=0.00 Hz

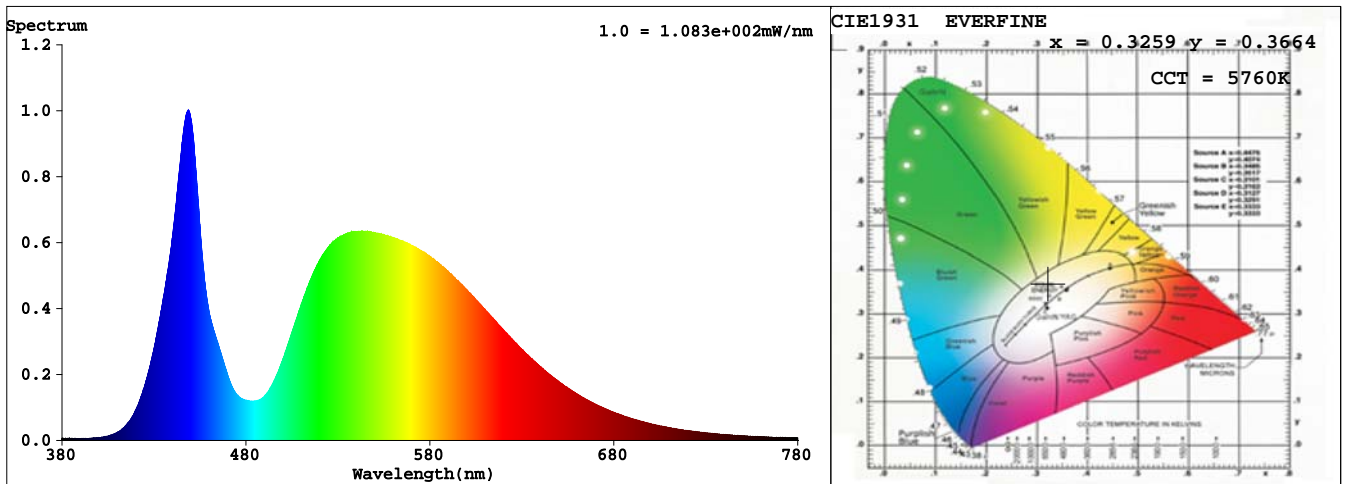
Spectrum Test Report

Sample	:	Date	:	2023-04-20 08:56:01
Specification	:	Standardtus	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52533 (80%)
Test Mode	:	Fast Test	T	:	316 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3259$ $y = 0.3664$ / $u' = 0.1933$ $v' = 0.4889$ ($duv=1.52e-02$) $Du, Dv: -0.0117, 0.0098$

CCT= 5760K Prcp WL: $L_d=541.4nm$ Purity=8.0%

Peak WL: $L_p=449nm$ FWHM: $=20.2nm$ Ratio: R=11.6% G=85.3% B=3.1%

Render Index: $R_a = 67.6$

R1 =62 R2 =71 R3 =79 R4 =68 R5 =65 R6 =63 R7 =80

R8 =53 R9 =0 R10=33 R11=65 R12=37 R13=63 R14=89 R15=55

Photometric & Radiometric Parameters

Flux = 3974.5 lm Eff. : 168.54 lm/W $F_e = 11.506 W$

Electrical parameters

$V = 33.67 V$ $I = 0.7003 A$ $P = 23.58 W$ PF = 1.000 F=0.00 Hz

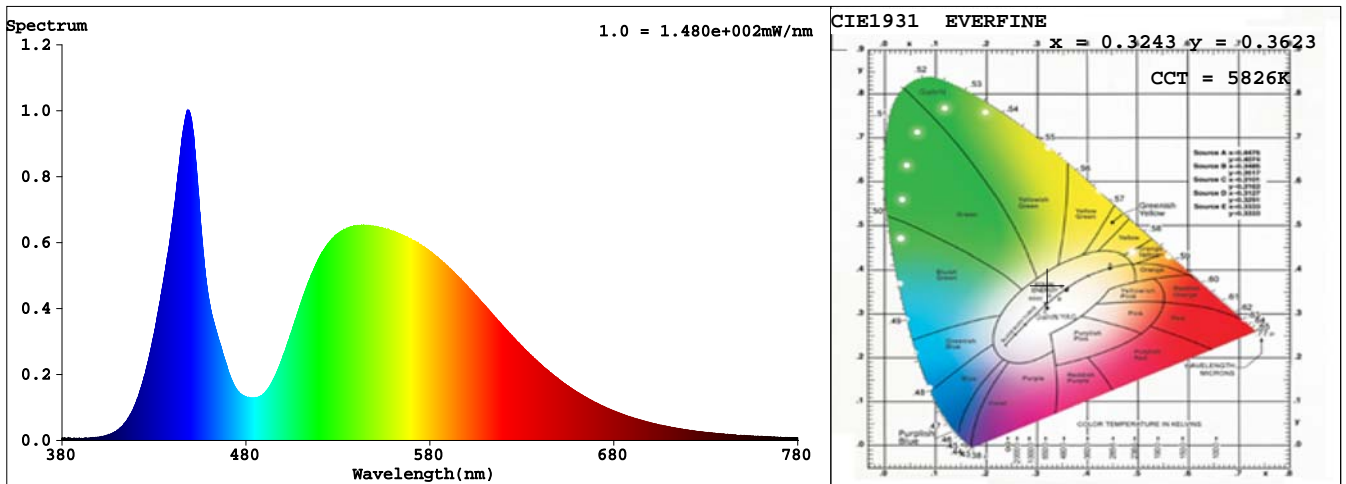
Spectrum Test Report

Sample	:	Date	:	2023-04-20 08:56:17
Specification	:	Standardtus	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52214 (80%)
Test Mode	:	Fast Test	T	:	223 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3243$ $y = 0.3623$ / $u' = 0.1936$ $v' = 0.4868$ ($duv=1.41e-02$) $Du, Dv: -0.0108, 0.0090$

CCT= 5826K Prcp WL: $Ld=535.1nm$ Purity=6.5%

Peak WL: $Lp=449nm$ FWHM: $=22.4nm$ Ratio: R=11.6% G=85.2% B=3.2%

Render Index: $Ra = 68.1$

R1 =63 R2 =71 R3 =79 R4 =69 R5 =65 R6 =63 R7 =80

R8 =54 R9 =0 R10=34 R11=65 R12=38 R13=64 R14=88 R15=56

Photometric & Radiometric Parameters

Flux = 5587.3 lm Eff. : 153.32 lm/W Fe = 16.363 W

Electrical parameters

V = 34.70 V I = 1.050 A P = 36.44 W PF = 1.000 F=0.00 Hz

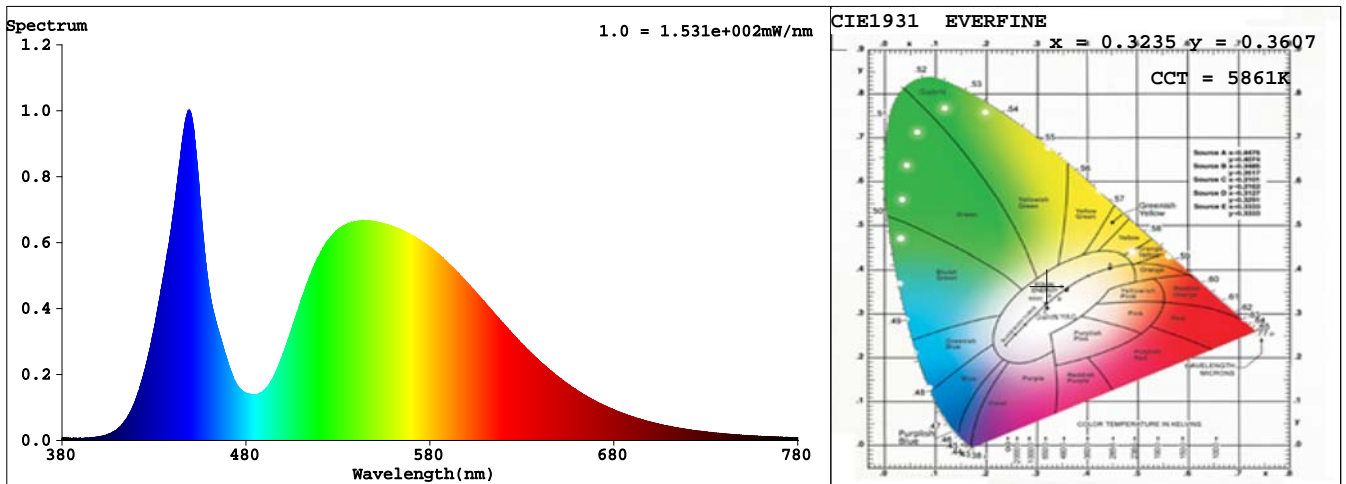
Spectrum Test Report

Sample	:		Date	:	2023-04-20 08:56:34
Specification	:	DK173-12H-3535	Standardtus	:	
Sample No.	:	AL16165	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	55228 (84%)
Test Mode	:	Fast Test	T	:	223 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3235$ $y = 0.3607$ / $u' = 0.1937$ $v' = 0.4859$ ($duv=1.36e-02$) $Du, Dv: -0.0105, 0.0086$

CCT= 5861K Prcp WL: $L_d=531.4nm$ Purity=5.9%

Peak WL: $L_p=449nm$ FWHM: $=23.8nm$ Ratio: R=11.6% G=85.0% B=3.3%

Render Index: $R_a = 68.5$

R1 =63 R2 =72 R3 =79 R4 =69 R5 =66 R6 =64 R7 =81
R8 =54 R9 =0 R10=35 R11=65 R12=39 R13=64 R14=88 R15=56

Photometric & Radiometric Parameters

Flux = 5904.6 lm Eff. : 147.32 lm/W $F_e = 17.399 W$

Electrical parameters

V = 34.87 V I = 1.150 A P = 40.08 W PF = 1.000 F=0.00 Hz

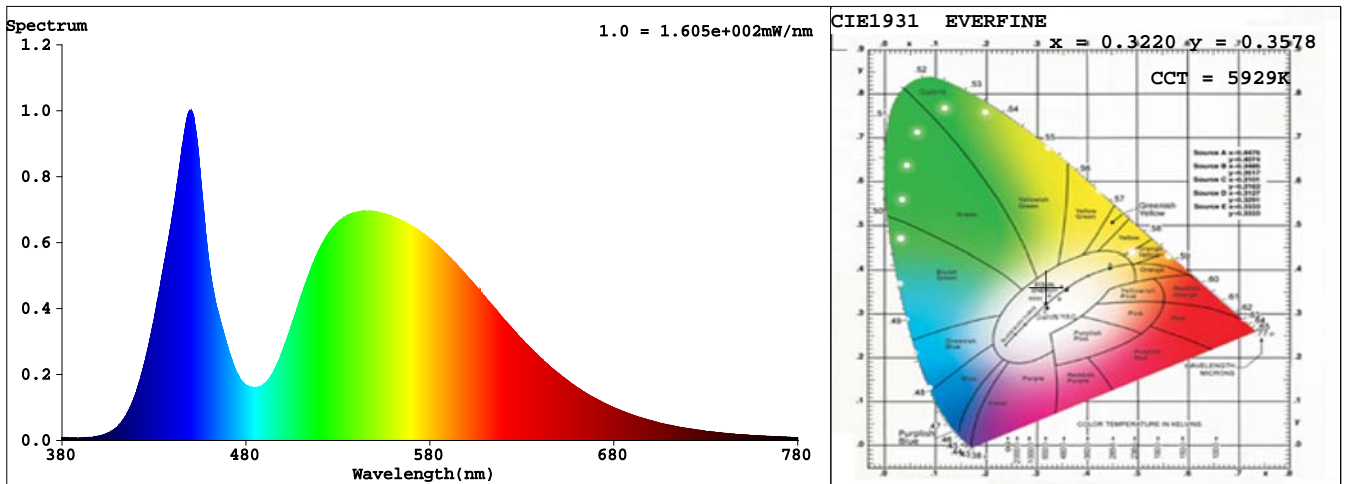
Spectrum Test Report

Sample	:	Date	:	2023-04-20 08:57:03
Specification	:	Standardtus	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52079 (79%)
Test Mode	:	Fast Test	T	:	192 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3220$ $y = 0.3578$ / $u' = 0.1937$ $v' = 0.4843$ ($duv=1.29e-02$) $Du, Dv: -0.0101, 0.0081$

CCT= 5929K Prcp WL: $L_d=523.7nm$ Purity=4.9%

Peak WL: $L_p=450nm$ FWHM: $=26.5nm$ Ratio: R=11.7% G=84.8% B=3.5%

Render Index: $R_a = 69.2$

R1 =64 R2 =73 R3 =80 R4 =69 R5 =66 R6 =65 R7 =81

R8 =55 R9 =0 R10=36 R11=65 R12=40 R13=65 R14=89 R15=57

Photometric & Radiometric Parameters

Flux = 6461.9 lm Eff. : 135.88 lm/W Fe = 19.242 W

Electrical parameters

V = 35.23 V I = 1.350 A P = 47.55 W PF = 1.000 F=0.00 Hz

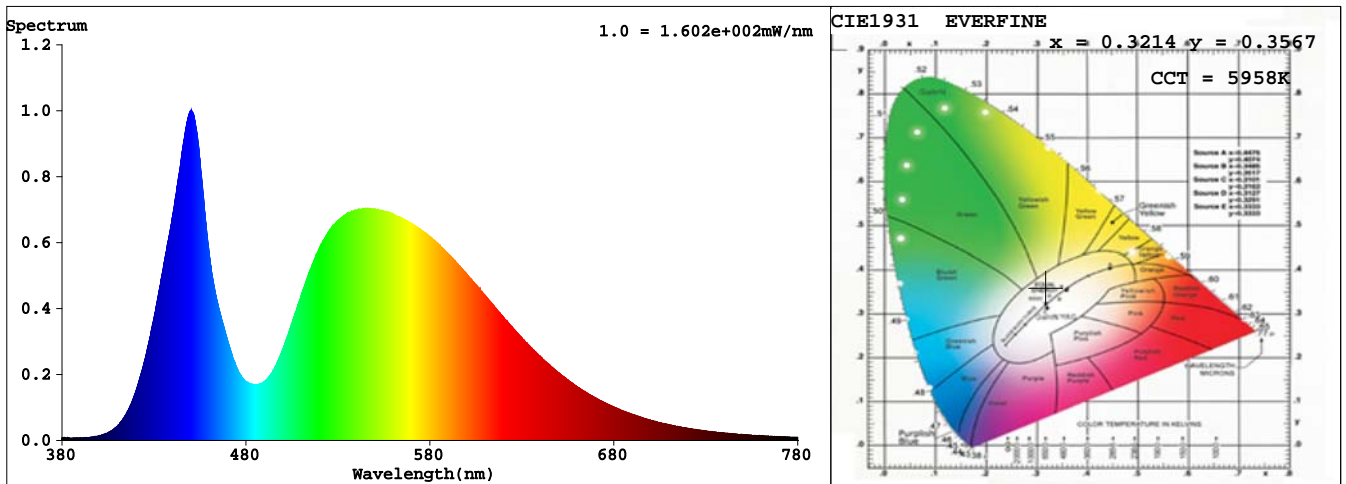
Spectrum Test Report

Sample	:		Date	:	2023-04-20 08:57:15
Specification	:	DK173-12H-3535	Standardtus	:	
Sample No.	:	AL16165	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52584 (80%)
Test Mode	:	Fast Test	T	:	192 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3214$ $y = 0.3567$ / $u' = 0.1937$ $v' = 0.4837$ ($duv=1.27e-02$) $Du, Dv: -0.0099, 0.0080$

CCT= 5958K Prcp WL: $L_d=520.5nm$ Purity=4.7%

Peak WL: $L_p=450nm$ FWHM: $\approx 27.5nm$ Ratio: R=11.7% G=84.7% B=3.6%

Render Index: $R_a = 69.6$

R1 =64 R2 =73 R3 =80 R4 =70 R5 =67 R6 =65 R7 =82
 R8 =55 R9 =0 R10=37 R11=66 R12=41 R13=65 R14=89 R15=58

Photometric & Radiometric Parameters

Flux = 6522.1 lm Eff. : 132.10 lm/W $F_e = 19.498 W$

Electrical parameters

V = 35.27 V I = 1.400 A P = 49.37 W PF = 1.000 F=0.00 Hz