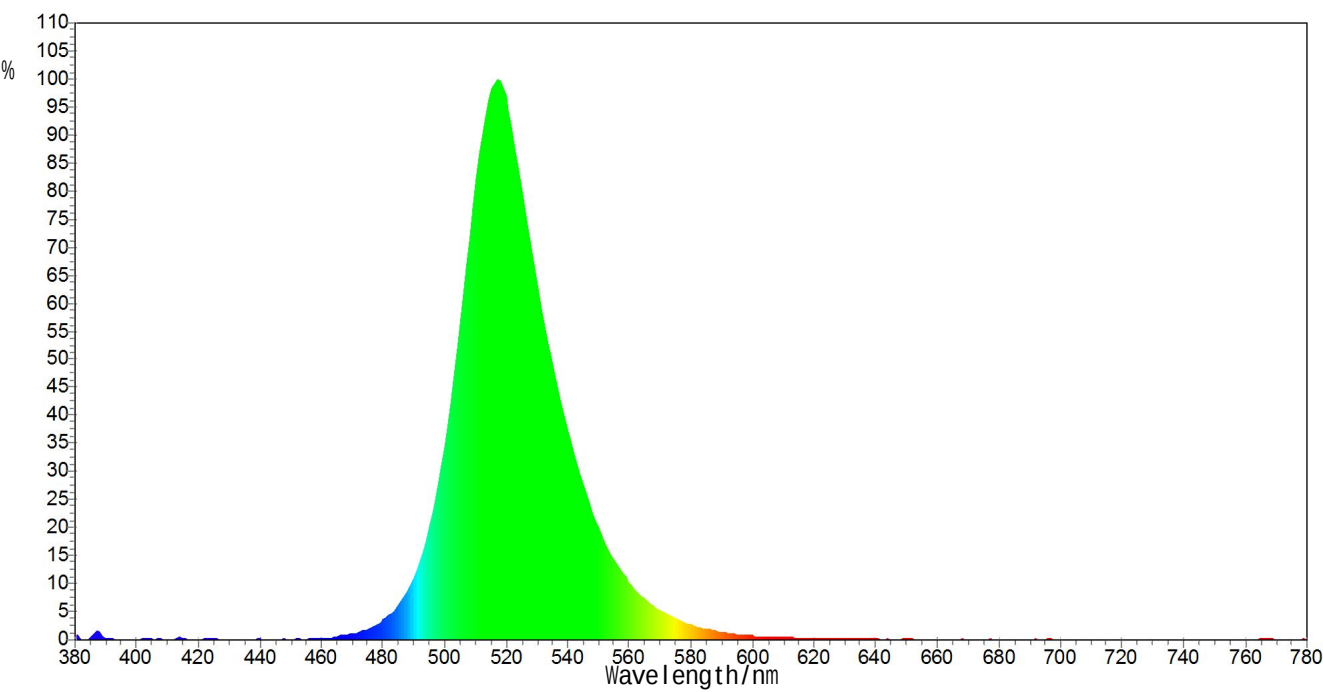
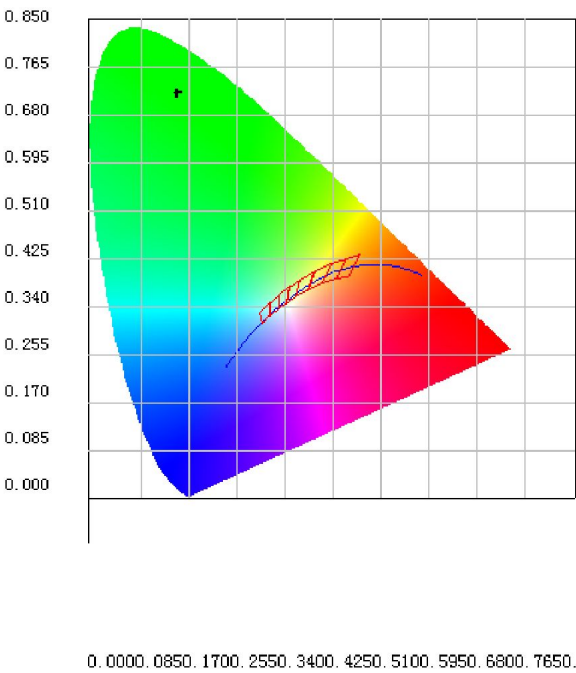


LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.1547 y: 0.7230
u: 0.0544 v: 0.3817
WD: 524.0 nm WP: 517.4 nm
HW: 31.6 nm Purity: 0.786
CCT: 8172 K Ra: -26.0
SDCM : 309.05 DUV : 0.1615
Ratio: R%: 0.6 G%: 90.5 B%: 8.9
Kred 0.20% Kgreen 95.79% Kblue 4.01%
R1: -35.8 R2: -13.1 R3: -30.3
R4: -67.5 R5: -8.2 R6: -14.2
R7: -7.3 R8: -31.2 R9: -355.9
R10: -112.4 R11: -52.6 R12: -29.6
R13: -44.2 R14: 35.7 R15: -34.2
Rf : 0.0 Rg : 0.0



Electrical parameters

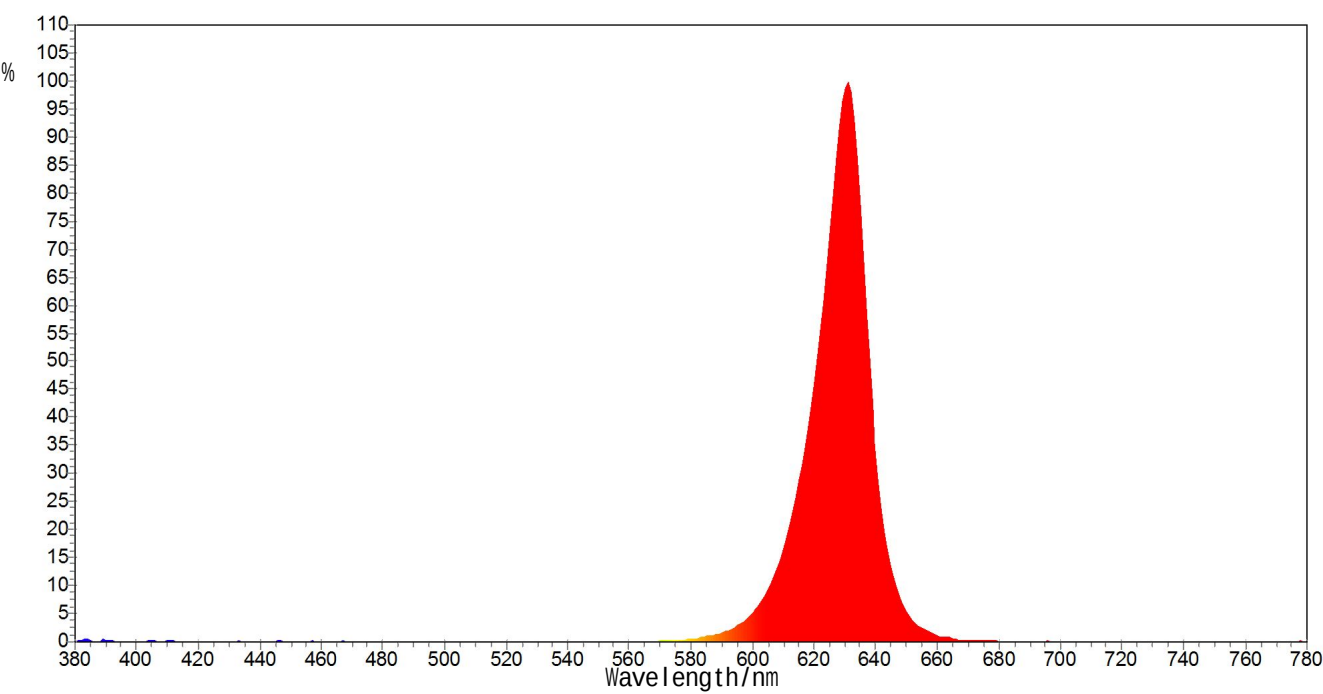
Flux: 496.543 lm E: 51.434 lm/w P: 1082.40 mw
I: 1931.2 mA V: 5.00 V P: 9.654 w PF:

Memo:

1M

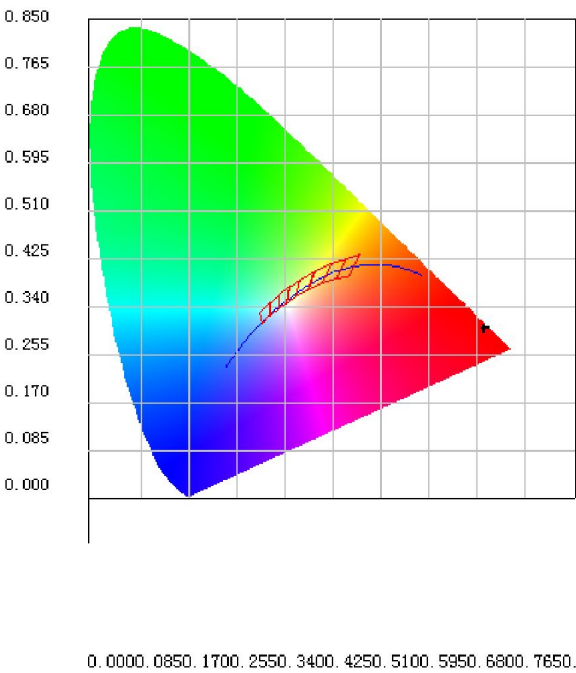
Product Mode:	S012144CA3SA6 RGB G	Item No:	10104-0653-00
Tester:	LEIXAIOLAN	Date:	2022-8-22
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.6916 y: 0.3057
u: 0.5234 v: 0.3470
WD: 621.5 nm WP: 631.4 nm
HW: 17.5 nm Purity: 0.992
CCT: 4651 K Ra: -18.2
SDCM : 191.93 DUV : -0.0012
Ratio: R%: 97.5 G%: 2.1 B%: 0.4
Kred 93.23% Kgreen 6.73% Kblue 0.04%
R1: -79.9 R2: -10.7 R3: 50.8
R4: -47.6 R5: -47.2 R6: -35.0
R7: 46.2 R8: -21.8 R9: -269.2
R10: -90.1 R11: 55.9 R12: -71.4
R13: -85.6 R14: 66.9 R15: -42.0
Rf : 0.0 Rg : 0.0



Electrical parameters

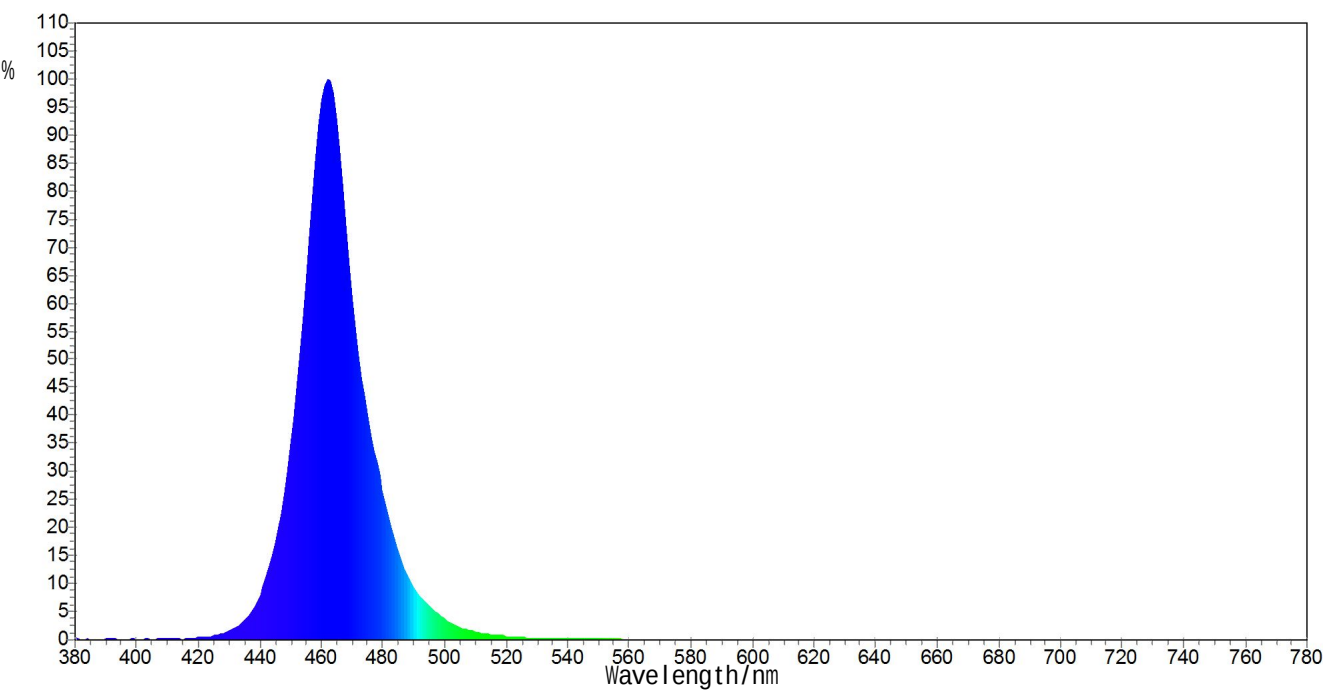
Flux: 184.048 lm E: 18.563 lm/w P: 932.62 mw
I: 1983.4 mA V: 5.00 V P: 9.915 w PF:

Memo:

1M

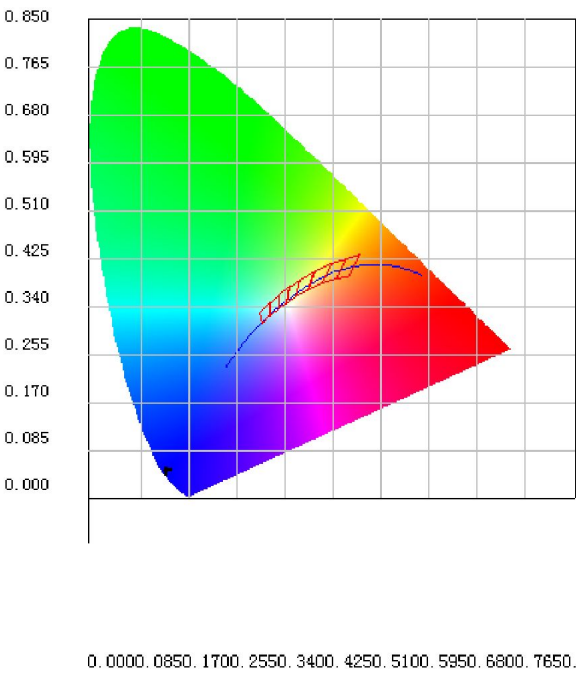
Product Mode:	S012144CA3SA6 RGB R	Item No:	10104-653-00
Tester:	LEIXAIOLAN	Date:	2022-8-22
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.1372 y: 0.0529
u: 0.1633 v: 0.0945
WD: 466.8 nm WP: 463.2 nm
HW: 19.6 nm Purity: 0.973
CCT: 1678 K Ra: -76.0
SDCM : 167.69 DUV : -0.1314
Ratio: R%: 0.2 G%: 1.9 B%: 97.9
Kred 0.37% Kgreen 11.50% Kblue 88.12%
R1: -71.7 R2: 20.9 R3: -90.1
R4: -140.5 R5: -73.7 R6: 1.9
R7: -64.3 R8: -190.1 R9: -497.8
R10: -74.4 R11: -67.6 R12: -104.6
R13: -38.9 R14: -7.2 R15: -103.9
Rf : 0.0 Rg : 0.0



Electrical parameters

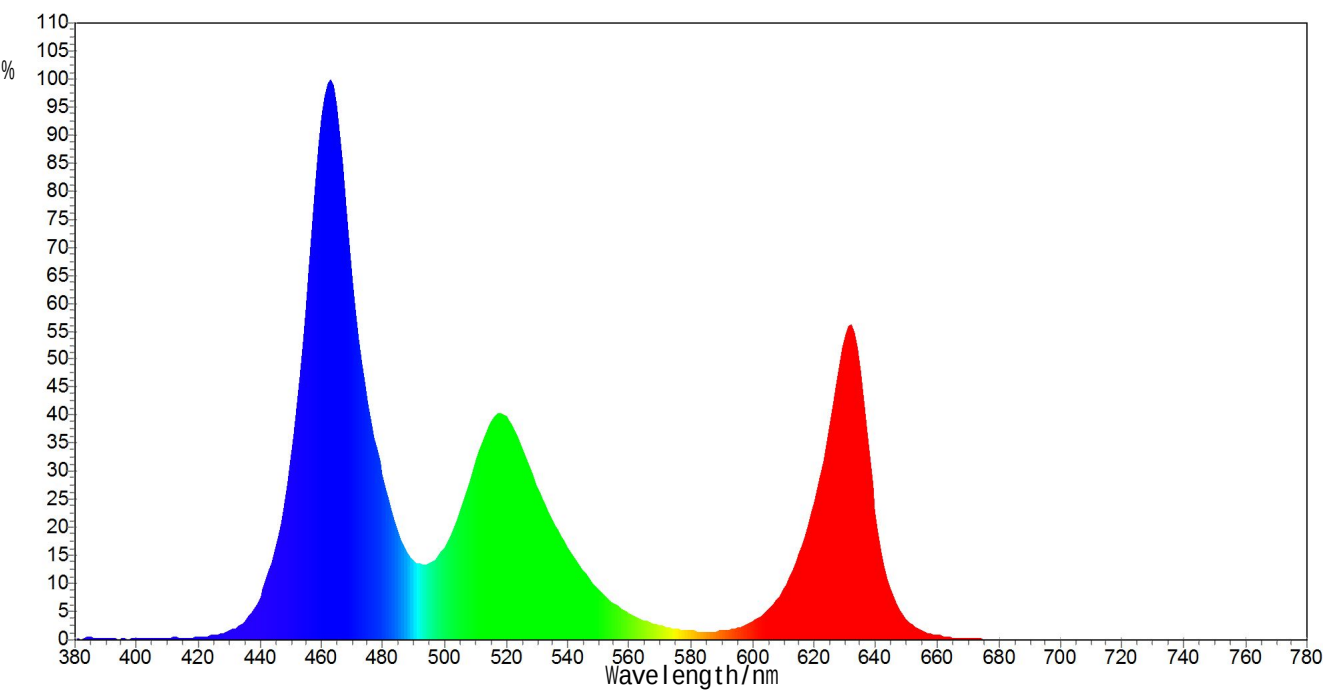
Flux: 108.127 lm E: 11.153 lm/w P: 2226.46 mw
I: 1939.3 mA V: 5.00 V P: 9.695 w PF:

Memo:

1M

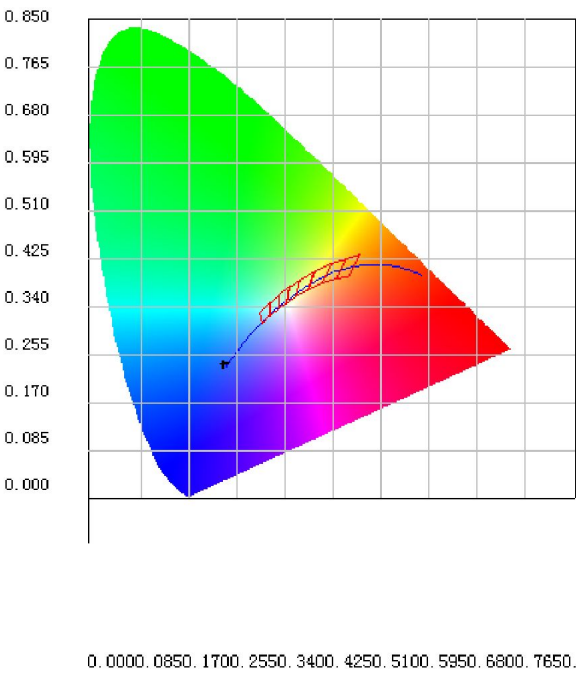
Product Mode:	S012144CA3SA6 RGB B	Item No:	10104-653-00
Tester:	LEIXAIOLAN	Date:	2022-8-22
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.2361 y: 0.2407
u: 0.1744 v: 0.2666
WD: 477.9 nm WP: 463.2 nm
HW: 19.6 nm Purity: 0.416
CCT: 30618 K Ra: 51.3
SDCM : 102.72 DUV : 0.0062
Ratio : R%: 22.9 G%: 28.1 B%: 49.0
Kred 20.45% Kgreen 65.02% Kblue 14.53%
R1: 33.6 R2: 54.9 R3: 72.6
R4: 61.0 R5: 59.8 R6: 61.0
R7: 61.3 R8: 6.4 R9: -204.7
R10: -3.9 R11: 68.2 R12: 54.5
R13: 31.6 R14: 80.3 R15: 12.5
Rf : 0.0 Rg : 0.0



Electrical parameters

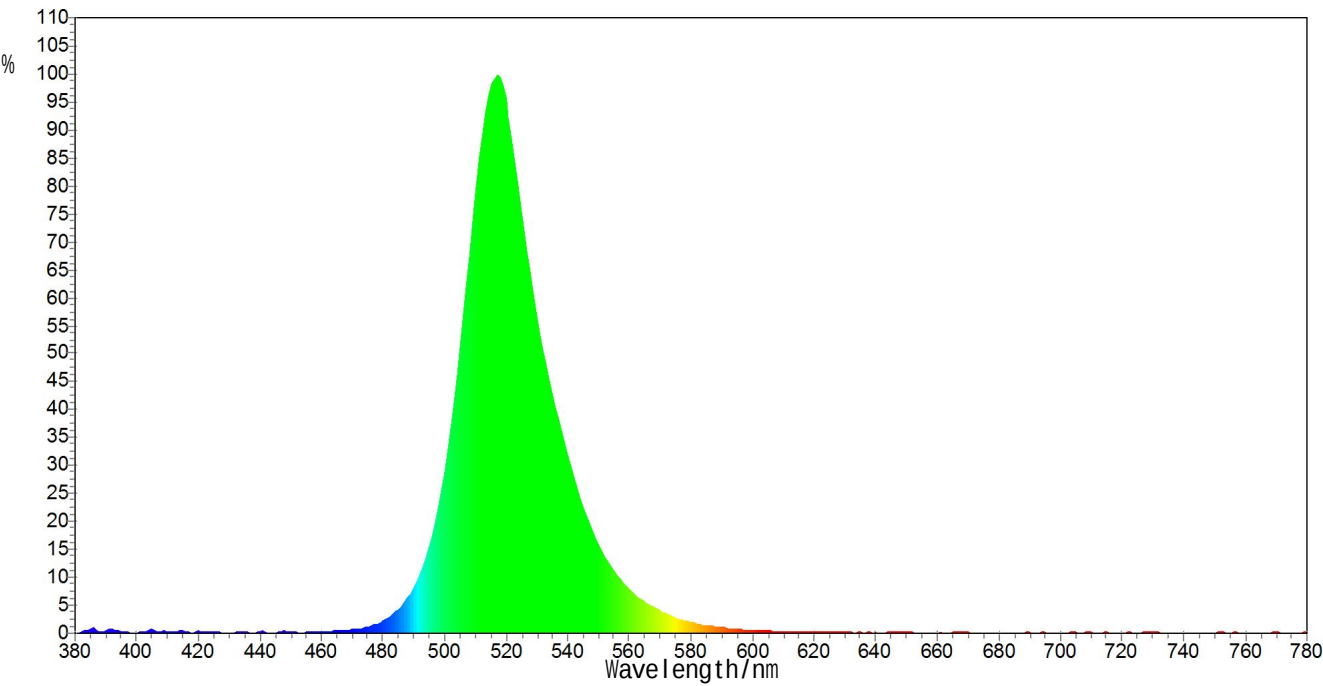
Flux: 661.509 lm E: 30.100 lm/w P: 3480.17 mw
I: 4396.2 mA V: 5.00 V P: 21.977 w PF:

Memo:

1M

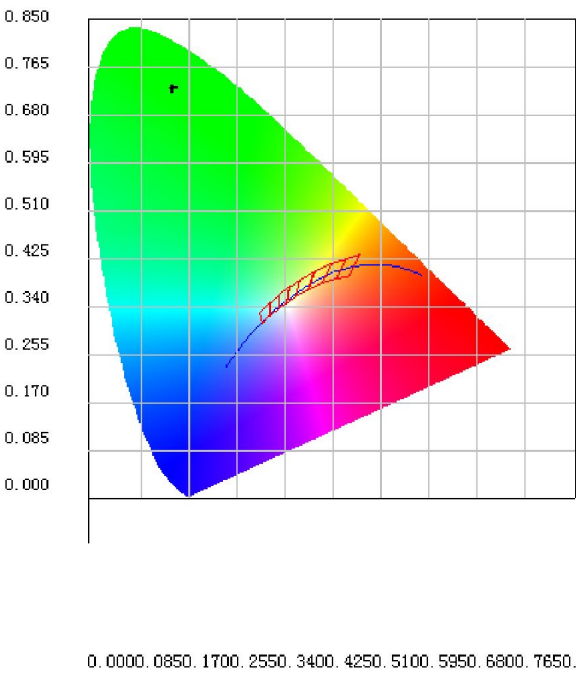
Product Mode:	S012144CA3SA6 RGB 混光	Item No:	10104-653-00
Tester:	LEIXAIOLAN	Date:	2022-8-22
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.1465 y: 0.7303
u: 0.0511 v: 0.3820
WD: 523.1 nm WP: 517.4 nm
HW: 28.3 nm Purity: 0.797
CCT: 8272 K Ra: -27.0
SDCM : 317.05 DUV : 0.1646
Ratio : R%: 0.8 G%: 91.3 B%: 7.9
Kred 0.21% Kgreen 96.22% Kblue 3.57%
R1: -36.7 R2: -16.0 R3: -35.3
R4: -67.4 R5: -8.9 R6: -16.9
R7: -5.5 R8: -29.3 R9: -354.3
R10: -119.6 R11: -53.6 R12: -35.0
R13: -46.1 R14: 32.8 R15: -33.9
Rf : 0.0 Rg : 0.0



Electrical parameters

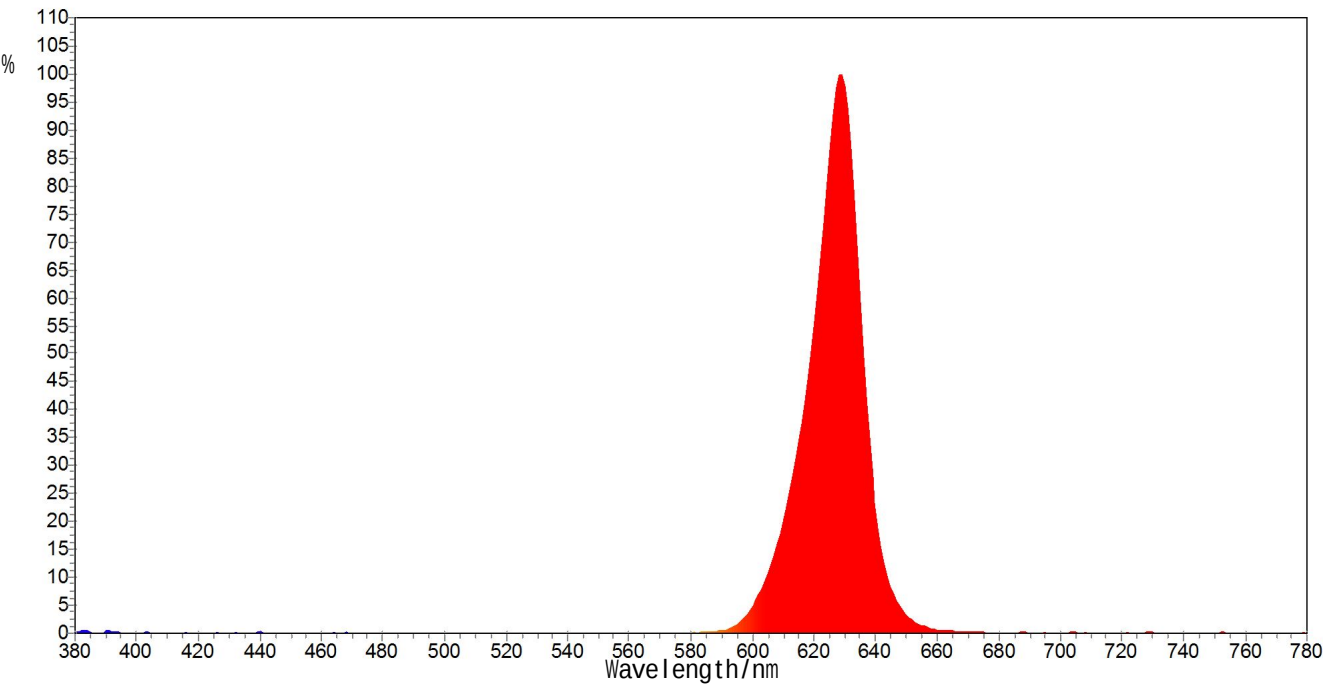
Flux: 99.463 lm E: 42.761 lm/w P: 225.49 mw
I: 465.3 mA V: 5.00 V P: 2.326 w PF:

Memo:

1M

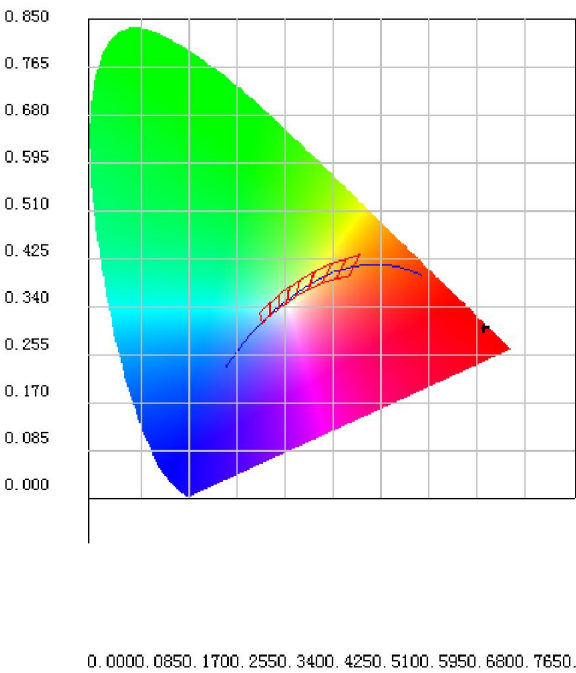
Product Mode:	S010030CA3SA6 RGB G	Item No:	10104-0539-00
Tester:	DINGNANJUAN	Date:	2023-6-9
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.6910 y: 0.3053
u: 0.5234 v: 0.3468
WD: 621.7 nm WP: 629.3 nm
HW: 17.1 nm Purity: 0.989
CCT: 4663 K Ra: -22.5
SDCM : 191.73 DUV : -0.0014
Ratio: R%: 98.3 G%: 1.1 B%: 0.6
Kred 95.79% Kgreen 4.13% Kblue 0.09%
R1: -90.2 R2: -9.1 R3: 59.2
R4: -61.7 R5: -57.6 R6: -32.9
R7: 47.4 R8: -35.4 R9: -329.0
R10: -86.9 R11: 60.6 R12: -68.0
R13: -89.2 R14: 66.9 R15: -66.0
Rf : 0.0 Rg : 0.0



Electrical parameters

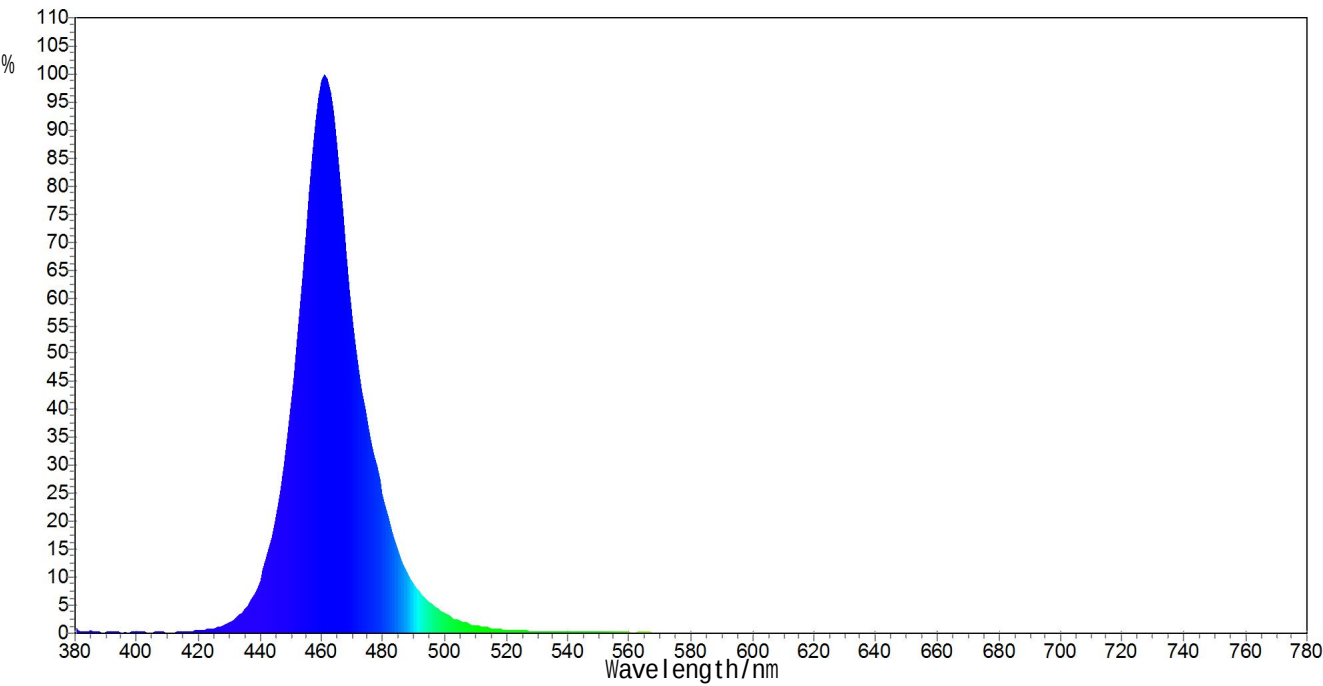
Flux: 35.210 lm E: 14.958 lm/w P: 173.52 mw
I: 470.7 mA V: 5.00 V P: 2.354 w PF:

Memo:

1M

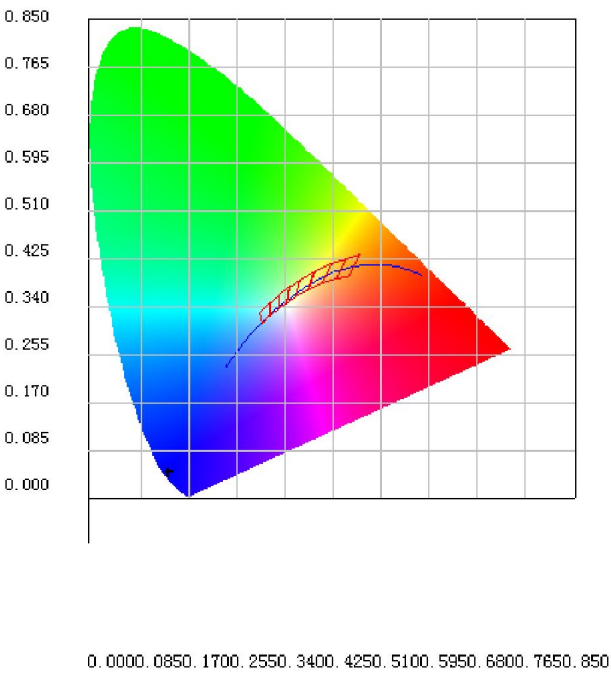
Product Mode:	S010030CA3SA6 RGB R	Item No:	10104-0539-00
Tester:	DINGNANJUAN	Date:	2023-6-9
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x:	0.1388	y:	0.0507						0.850
u:	0.1667	v:	0.0913						0.765
WD:	466.0 nm	WP:	461.7 nm						0.595
HW:	20.0 nm	Purity:	0.973						0.510
CCT:	1658 K	Ra:	-76.1						0.425
SDCM :	167.72	DUV :	-0.1282						0.340
Ratio :	R%: 0.2	G%: 1.9	B%: 97.9						0.255
Kred	0.45%	Kgreen	12.01%	Kblue	87.54%				0.170
R1:	-69.3	R2:	22.0	R3:	-93.8				0.085
R4:	-141.2	R5:	-72.4	R6:	3.4				0.000
R7:	-66.6	R8:	-191.1	R9:	-491.7				
R10:	-74.6	R11:	-67.4	R12:	-102.4				
R13:	-35.6	R14:	-8.9	R15:	-102.1				
Rf :	0.0	Rg :	0.0						



Electrical parameters

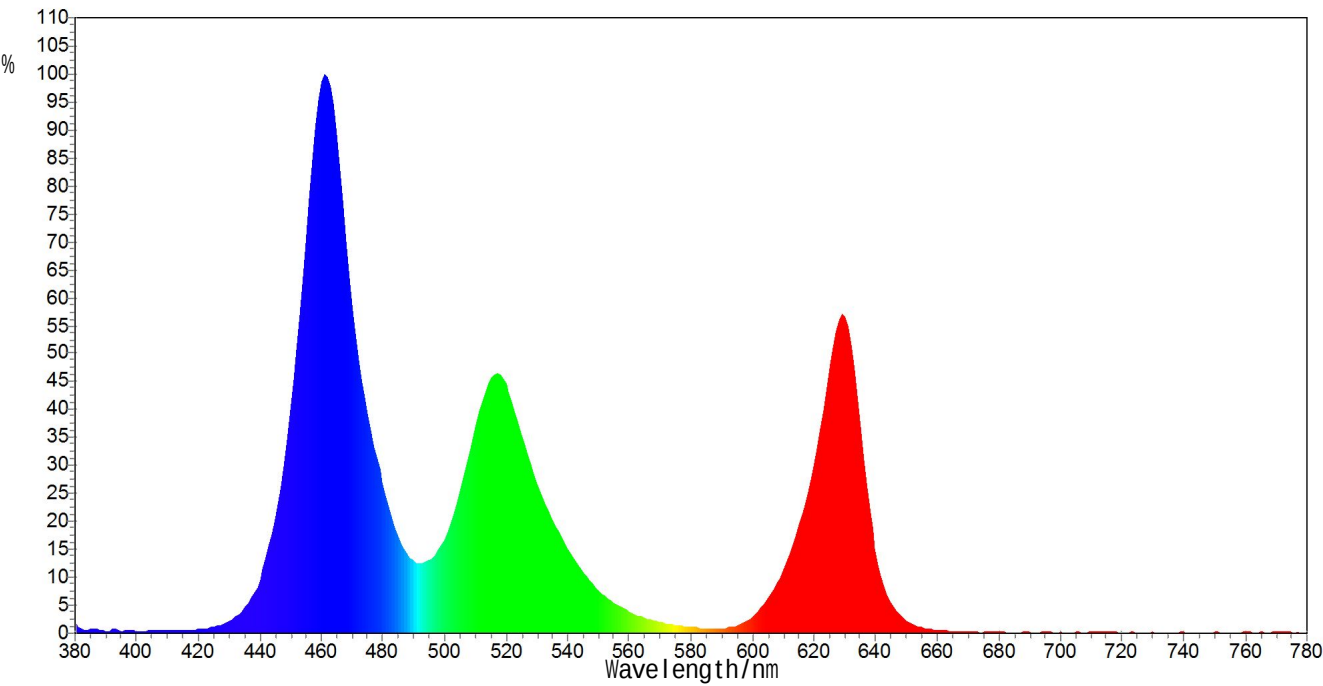
Flux:	20.452 lm	E:	8.812 lm/w	P:	426.12 mw		
I:	464.2 mA	V:	5.00 V	P:	2.321 w	PF:	

Memo:

1M

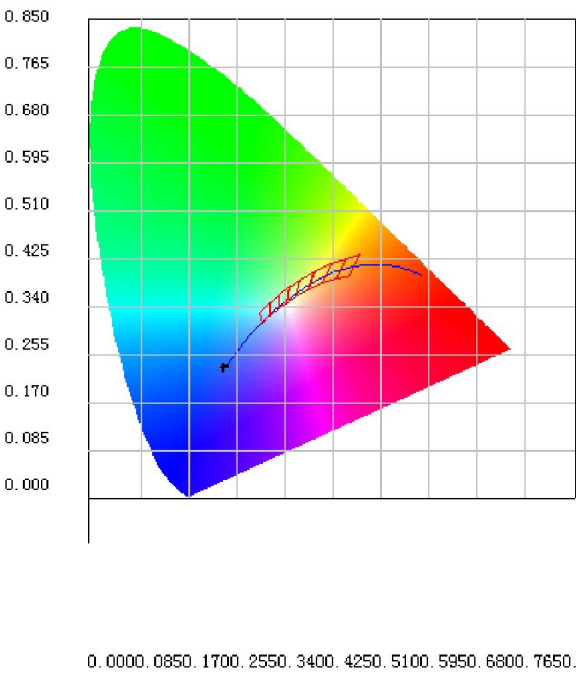
Product Mode:	S010030CA3SA6 RGB B	Item No:	10104-0539-00
Tester:	DINGNANJUAN	Date:	2023-6-9
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.2346 y: 0.2357
u: 0.1751 v: 0.2639
WD: 477.2 nm WP: 461.7 nm
HW: 20.0 nm Purity: 0.427
CCT: 35647 K Ra: 49.4
SDCM : 103.68 DUV : 0.0048
Ratio: R%: 22.5 G%: 28.3 B%: 49.2
Kred 21.54% Kgreen 64.45% Kblue 14.01%
R1: 29.2 R2: 54.4 R3: 70.6
R4: 56.6 R5: 56.6 R6: 58.5
R7: 62.2 R8: 6.6 R9: -203.5
R10: -9.0 R11: 65.8 R12: 56.0
R13: 28.1 R14: 78.4 R15: 10.3
Rf : 0.0 Rg : 0.0



Electrical parameters

Flux: 151.190 lm E: 27.051 lm/w P: 814.14 mw
I: 1117.7 mA V: 5.00 V P: 5.589 w PF:

Memo:

1M

Product Mode:	S010030CA3SA6 RGB 混光	Item No:	10104-0539-00
Tester:	DINGNANJUAN	Date:	2023-6-9
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

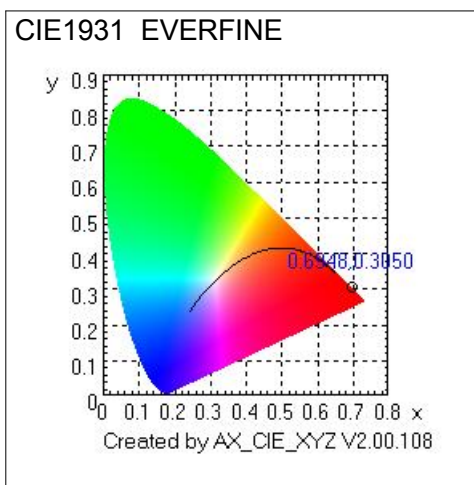
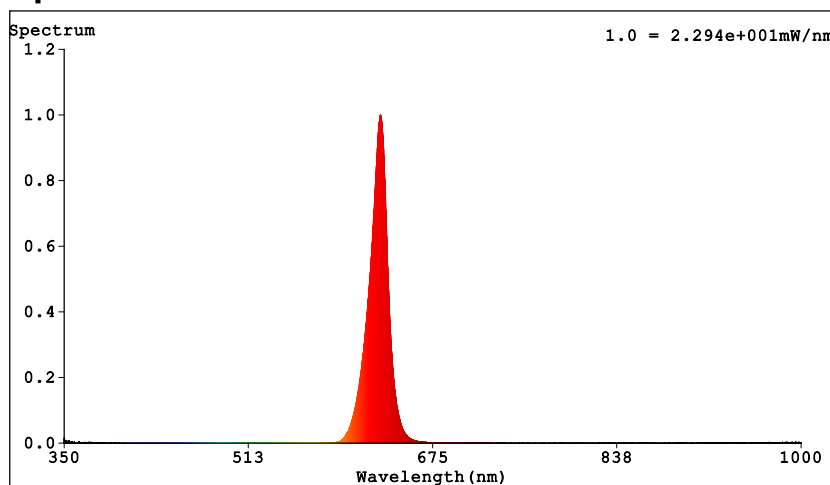
Spectrum Test Report

Sample	:		Date	:	2023-10-21
Specification	:	S010060CB3SE0 R	Sam. Status	:	1M
Sample No.	:	10105-0486-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49310 (75%)
Test Mode	:	Accuracy Test	T	:	242 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6948$ $y = 0.3050$ / $u' = 0.5272$ $v' = 0.5209$ ($duv = -7.97e-02$)

CCT= 1001K Prpc WL: $L_d = 621.7nm$ Purity=100.0%

Peak WL: $L_p = 629nm$ FWHM: $= 16.2nm$ Ratio: R=98.5% G=1.5% B=-0.0%

Render Index: $R_a = 23.7$ TM30: $R_f = 1$ $R_g = 0$

R1 = 0 R2 = 77 R3 = 23 R4 = 0 R5 = 0 R6 = 89 R7 = 0

R8 = 0 R9 = 0 R10 = 70 R11 = 0 R12 = 79 R13 = 26 R14 = 55 R15 = 0

LEVEL: OUT

TLCI Parameters: TLCI = 1.5

Photometric & Radiometric Parameters

Flux = 94.640 lm Eff. : 14.20 lm/W $F_e = 450.53 mW$

EEL: 0.50498 B

EEC: 14.2 G

Electrical parameters

V = 12.00 V I = 0.5555 A P = 6.665 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

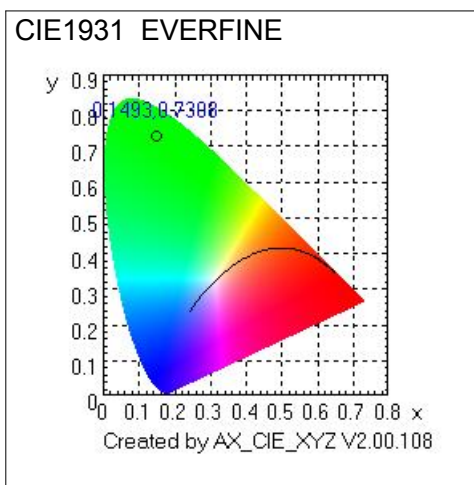
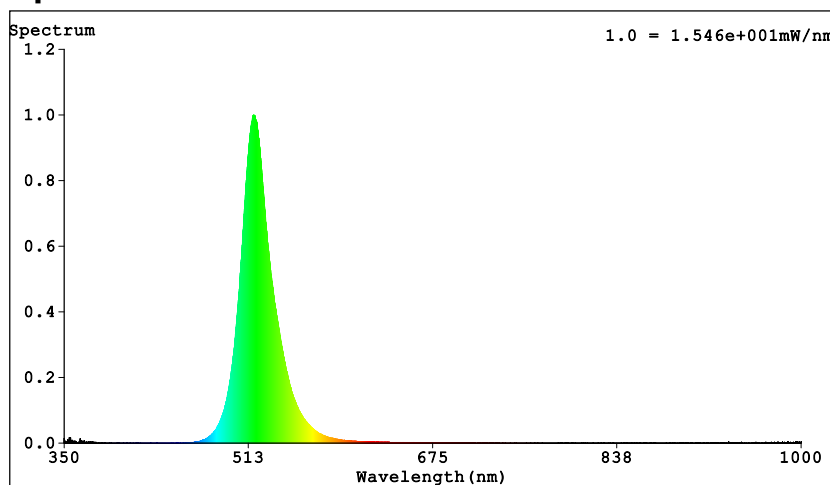
Spectrum Test Report

Sample	:		Date	:	2023-10-21
Specification	:	S010060CB3SE0 G	Sam. Status	:	1M
Sample No.	:	10105-0486-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	41430 (63%)
Test Mode	:	Accuracy Test	T	:	242 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1493$ $y = 0.7308$ / $u' = 0.0520$ $v' = 0.5734$ ($duv=1.64e-01$)

CCT= 8138K Prcp WL: Ld=523.7nm Purity=80.0%

Peak WL: Lp=517nm FWHM: =28.0nm Ratio:R=0.3% G=97.4% B=2.3%

Render Index: Ra = 0.0 TM30:Rf=1 Rg=6

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=34 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.8

Photometric & Radiometric Parameters

Flux = 247.59 lm Eff. : 37.02 lm/W Fe = 532.59 mW

EEI: 0.25748 B

EEC: 37.0 G

Electrical parameters

V = 12.00 V I = 0.5575 A P = 6.689 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

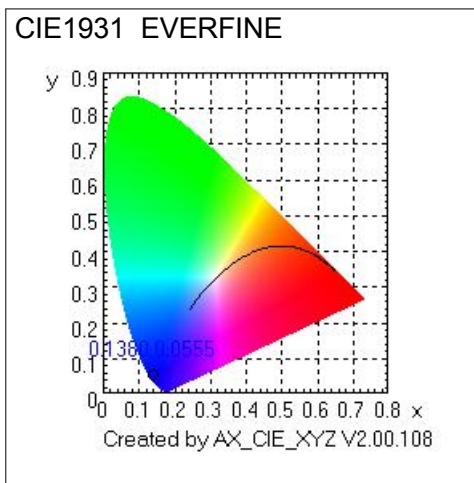
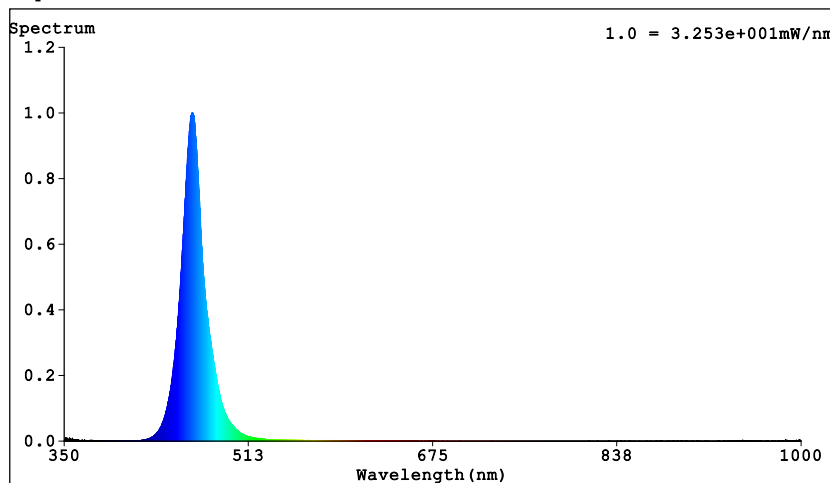
Spectrum Test Report

Sample	:		Date	:	2023-10-21
Specification	:	S010060CB3SE0 B	Sam. Status	:	1M
Sample No.	:	10105-0486-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	50576 (77%)
Test Mode	:	Accuracy Test	T	:	186 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1380$ $y = 0.0555$ / $u' = 0.1629$ $v' = 0.1473$ ($duv = -1.69e-01$)

CCT>=100000K Prcp WL: Ld=467.0nm Purity=96.7%

Peak WL: Lp=464nm FWHM: =20.1nm Ratio:R=0.8% G=16.0% B=83.1%

Render Index: Ra = 1.1 TM30:Rf=0 Rg=-122

R1 =0	R2 =0	R3 =0	R4 =0	R5 =9	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=5

LEVEL:OUT

TLCI Parameters: TLCI = 1.1

Photometric & Radiometric Parameters

Flux = 53.850 lm Eff. : 8.03 lm/W Fe = 837.64 mW

EEI: 0.73718 C

EEC: 8.0 G

Electrical parameters

V = 12.00 V I = 0.5589 A P = 6.706 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

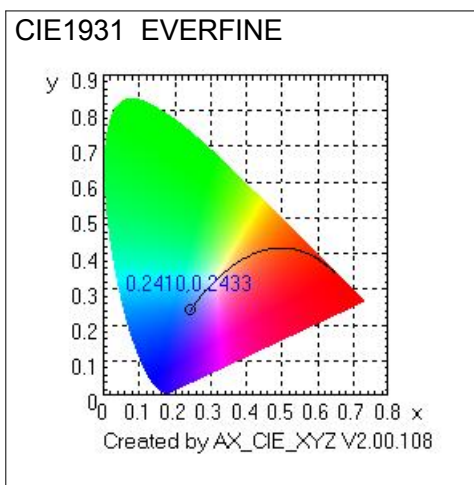
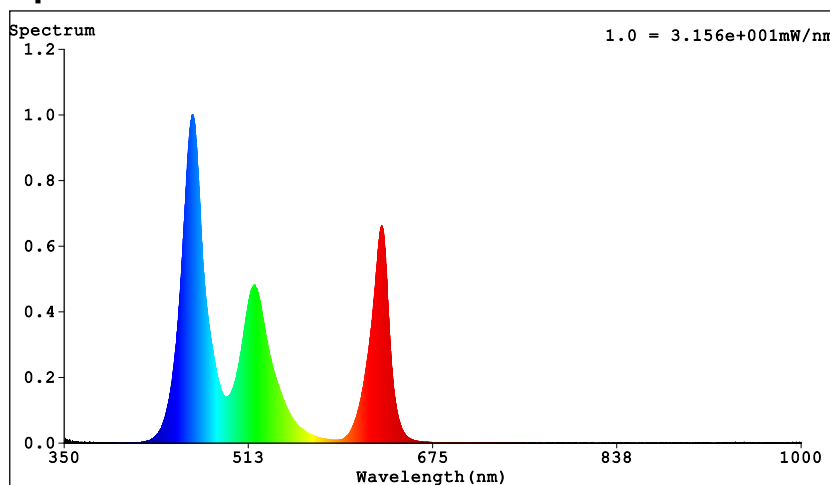
Spectrum Test Report

Sample	:		Date	:	2023-10-21
Specification	:	S010060CB3SE0 Mixed	Sam. Status	:	1M
Sample No.	:	10105-0486-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49064 (75%)
Test Mode	:	Accuracy Test	T	:	186 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2410$ $y = 0.2433$ / $u' = 0.1773$ $v' = 0.4027$ ($duv=3.86e-03$)

CCT= 62500K Prcp WL: $L_d=477.4nm$ Purity=39.8%

Peak WL: $L_p=463nm$ FWHM: $=20.4nm$ Ratio:R=22.5% G=64.5% B=13.0%

Render Index: $R_a = 44.6$ TM30:Rf=47 Rg=114

R1 =25 R2 =55 R3 =70 R4 =46 R5 =49 R6 =54 R7 =56

R8 =0 R9 =0 R10=0 R11=33 R12=60 R13=29 R14=78 R15=5

LEVEL:OUT

TLCI Parameters: TLCI = 16.4

Photometric & Radiometric Parameters

Flux = 377.24 lm Eff. : 28.63 lm/W Fe = 1.7424 W

EEL: 0.37036 B

EEC: 28.6 G

Electrical parameters

V = 12.00 V I = 1.098 A P = 13.18 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

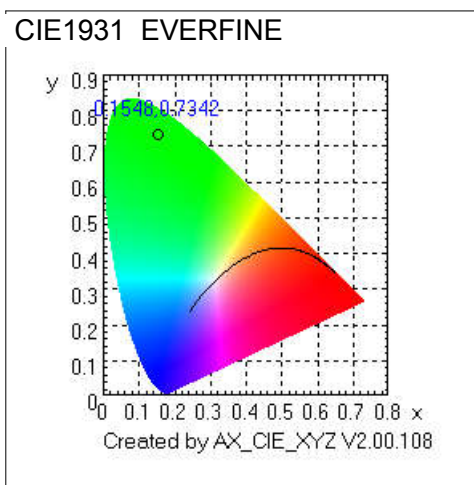
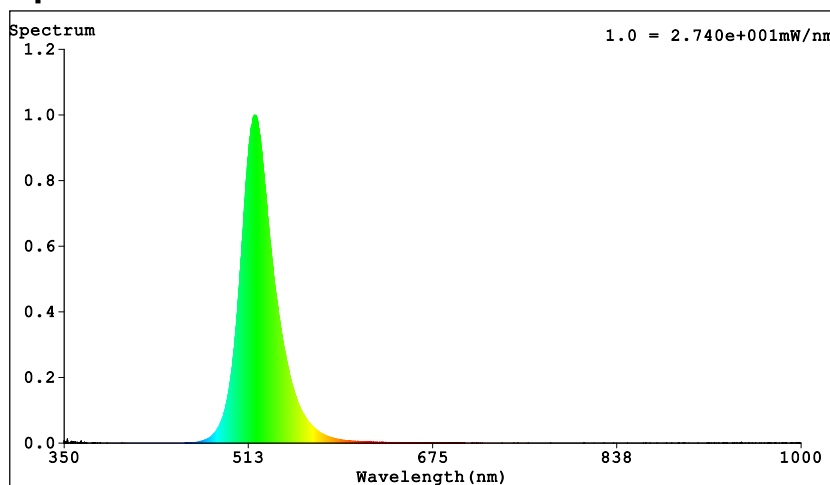
Spectrum Test Report

Sample	:		Date	:	2024-11-05
Specification	:	S012144CA3SD7 G	Sam. Status	:	1M
Sample No.	:	10104-1236-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	WANGHUALAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	50817 (78%)
Test Mode	:	Accuracy Test	T	:	182 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1548$ $y = 0.7342$ / $u' = 0.0538$ $v' = 0.5746$ ($duv=1.63e-01$)

CCT= 8025K Prcp WL: Ld=525.0nm Purity=81.3%

Peak WL: Lp=518nm FWHM: =30.3nm Ratio:R=0.3% G=97.7% B=2.0%

Render Index: Ra = 0.0 TM30:Rf=1 Rg=6

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=34 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.6

Photometric & Radiometric Parameters

Flux = 469.60 lm Eff. : 53.09 lm/W Fe = 987.27 mW

EEI: 0.21019 A

EEC: 53.1 G

Electrical parameters

V = 4.999 V I = 1.769 A P = 8.845 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

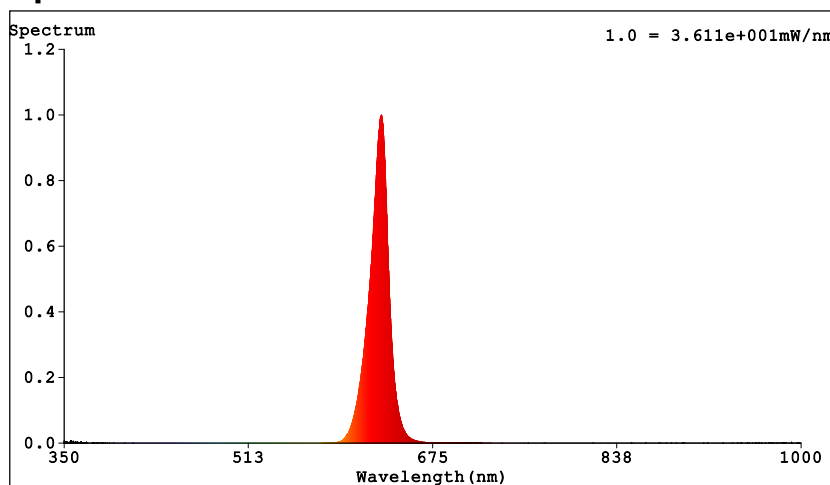
Spectrum Test Report

Sample	:		Date	:	2024-11-05
Specification	:	S012144CA3SD7 R	Sam. Status	:	1M
Sample No.	:	10104-1236-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	WANGHUALAN

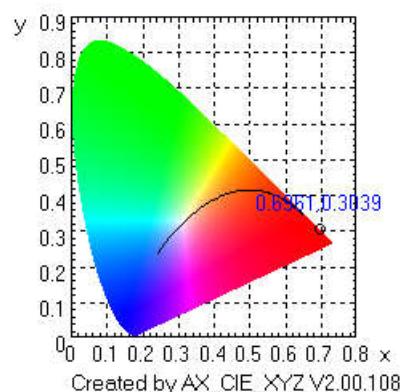
Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	54476 (83%)
Test Mode	:	Accuracy Test	T	:	182 ms
			Sensitivity	:	High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6961$ $y = 0.3039$ / $u' = 0.5298$ $v' = 0.5205$ ($duv = -8.22e-02$)

CCT= 1001K Prpc WL: $L_d = 622.3nm$ Purity=100.0%

Peak WL: $L_p = 630nm$ FWHM: $= 16.5nm$ Ratio: R=98.8% G=1.2% B=-0.0%

Render Index: $R_a = 23.8$ TM30: $R_f = 1$ $R_g = 0$

R1 = 0 R2 = 78 R3 = 22 R4 = 0 R5 = 0 R6 = 90 R7 = 0

R8 = 0 R9 = 0 R10 = 71 R11 = 0 R12 = 78 R13 = 27 R14 = 54 R15 = 0

LEVEL:OUT

TLCI Parameters: TLCI = 1.5

Photometric & Radiometric Parameters

Flux = 146.85 lm Eff. : 16.39 lm/W $F_e = 710.37 mW$

EEL: 0.50165 B

EEC: 16.4 G

Electrical parameters

V = 4.999 V I = 1.792 A P = 8.959 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

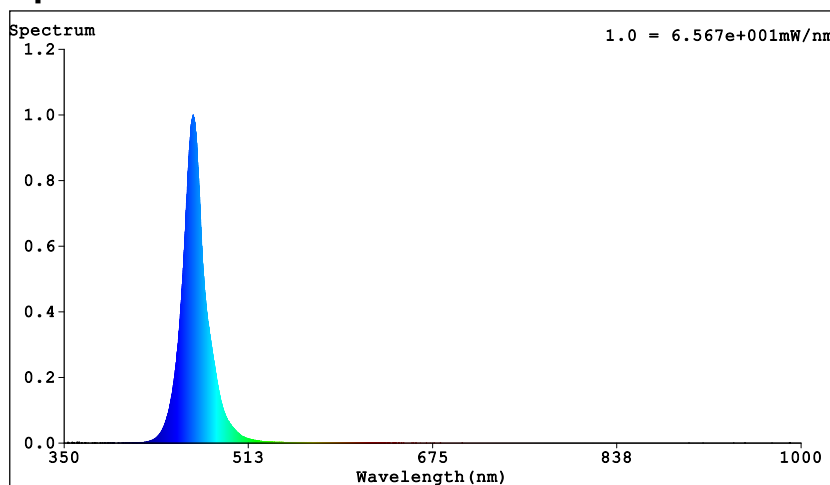
Spectrum Test Report

Sample	:		Date	:	2024-11-05
Specification	:	S012144CA3SD7 B	Sam. Status	:	1M
Sample No.	:	10104-1236-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	WANGHUALAN

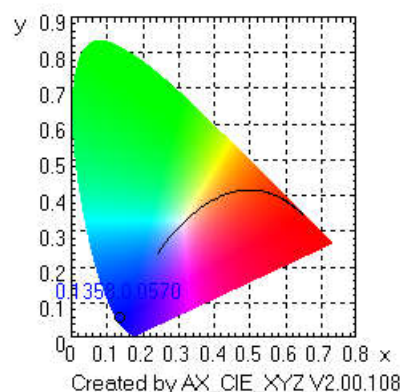
Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	45941 (70%)
Test Mode	:	Accuracy Test	T	:	91 ms
			Sensitivity	:	High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1358$ $y = 0.0570$ / $u' = 0.1592$ $v' = 0.1503$ ($duv = -1.67e-01$)

CCT>=100000K Prcp WL: Ld=467.7nm Purity=97.0%

Peak WL: Lp=464nm FWHM: =18.7nm Ratio:R=0.5% G=14.3% B=85.2%

Render Index: Ra = 0.6 TM30:Rf=0 Rg=-92

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

LEVEL:OUT

TLCI Parameters: TLCI = 0.9

Photometric & Radiometric Parameters

Flux = 103.91 lm Eff. : 11.72 lm/W Fe = 1.5887 W

EEL: 0.63025 C

EEC: 11.7 G

Electrical parameters

V = 4.999 V I = 1.773 A P = 8.862 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

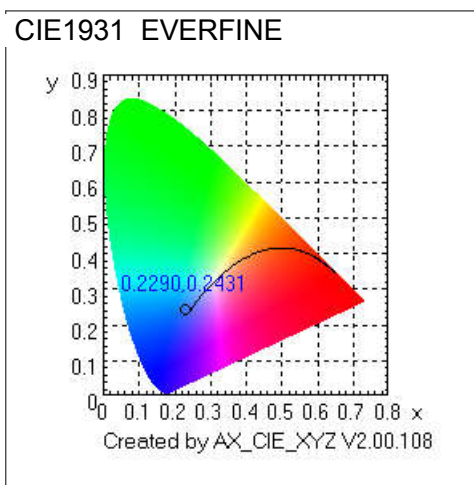
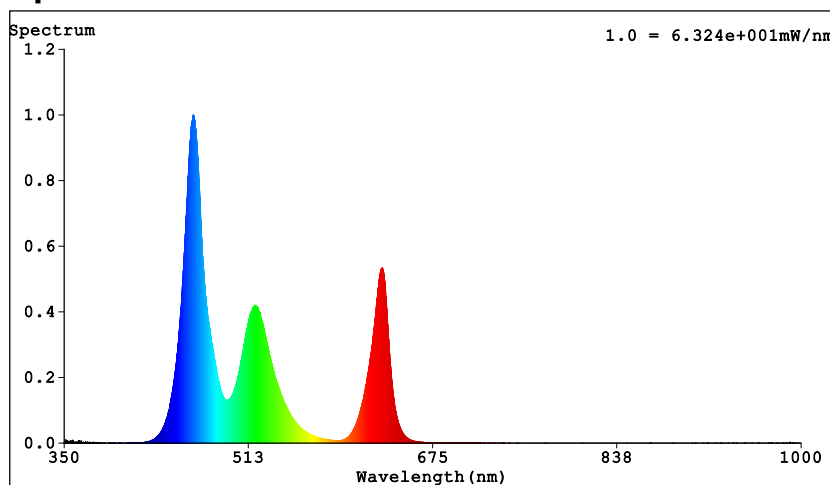
Spectrum Test Report

Sample	:		Date	:	2024-11-05
Specification	:	S012144CA3SD7 Mixed	Sam. Status	:	1M
Sample No.	:	10104-1236-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	WANGHUALAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	44357 (68%)
Test Mode	:	Accuracy Test	T	:	91 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2290$ $y = 0.2431$ / $u' = 0.1678$ $v' = 0.4008$ ($duv=1.29e-02$)

CCT>=100000K Prcp WL: Ld=479.4nm Purity=43.5%

Peak WL: Lp=464nm FWHM: =19.0nm Ratio:R=19.8% G=66.4% B=13.9%

Render Index: Ra = 54.9 TM30:Rf=51 Rg=109

R1 =43 R2 =61 R3 =72 R4 =64 R5 =65 R6 =61 R7 =58

R8 =14 R9 =0 R10=8 R11=58 R12=63 R13=43 R14=80 R15=22

LEVEL:OUT

TLCI Parameters: TLCI = 17.5

Photometric & Radiometric Parameters

Flux = 689.02 lm Eff. : 28.36 lm/W Fe = 3.1604 W

EEI: 0.42731 B

EEC: 28.4 G

Electrical parameters

V = 4.999 V I = 4.860 A P = 24.30 W PF = 1.000

Freq=0.00 Hz

GBT5702

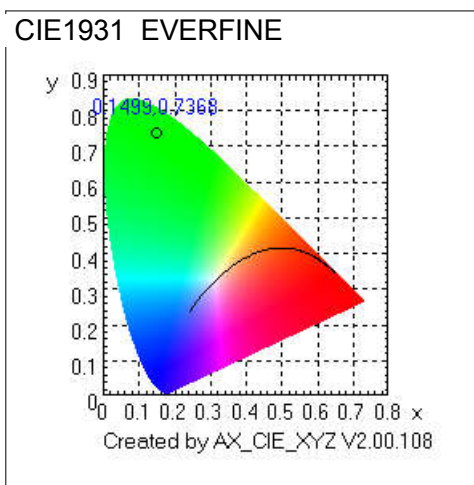
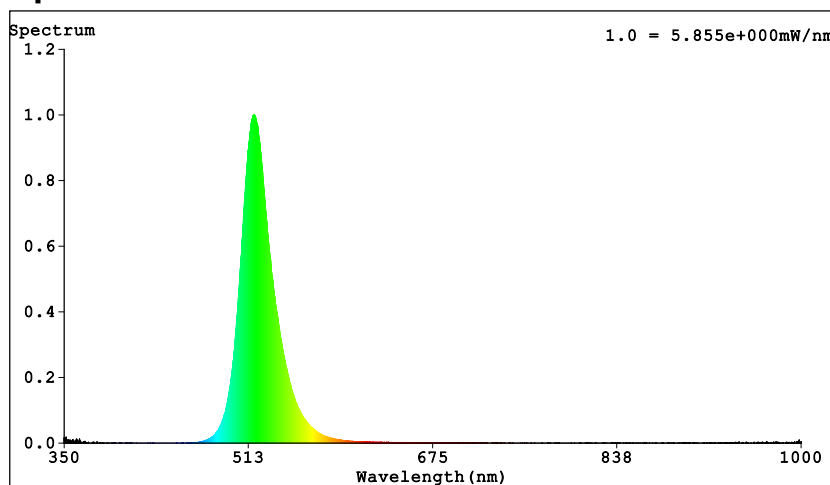
Spectrum Test Report

Sample	:		Date	:	2025-02-07
Specification	:	S010030CA3SD7 G	Sam. Status	:	1M
Sample No.	:	10104-1078-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49027 (75%)
Test Mode	:	Accuracy Test	T	:	830 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1499$ $y = 0.7368$ / $u' = 0.0519$ $v' = 0.5745$ ($duv=1.64e-01$)

CCT= 8093K Prcp WL: $L_d=524.3nm$ Purity=81.5%

Peak WL: $L_p=517nm$ FWHM: $=29.0nm$ Ratio:R=0.3% G=97.8% B=1.9%

Render Index: $R_a = 0.0$ TM30:Rf=1 Rg=5

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=32 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.5

Photometric & Radiometric Parameters

Flux = 95.641 lm Eff. : 43.06 lm/W Fe = 203.48 mW

EEL: 0.16711 A+

EEC: 43.1 G

Electrical parameters

V = 4.999 V I = 0.4443 A P = 2.221 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

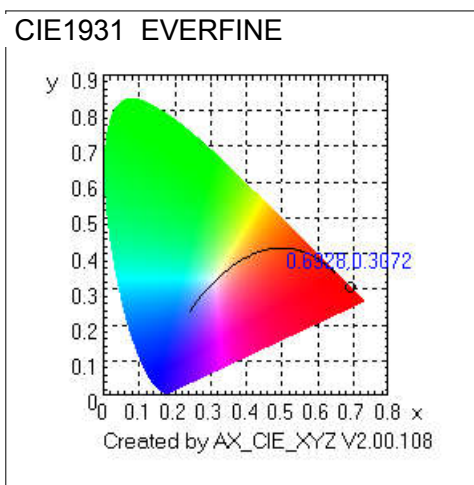
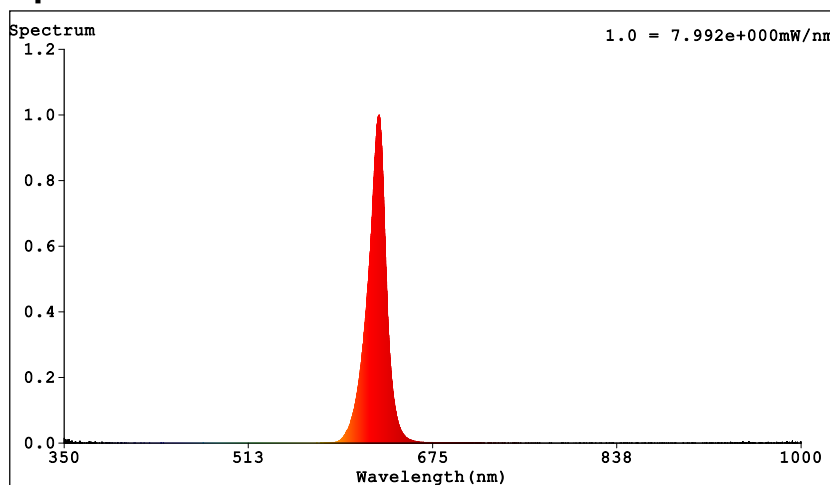
Spectrum Test Report

Sample	:		Date	:	2025-02-07
Specification	:	S010030CA3SD7 R	Sam. Status	:	1M
Sample No.	:	10104-1078-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	48555 (74%)
Test Mode	:	Accuracy Test	T	:	730 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6928$ $y = 0.3072$ / $u' = 0.5228$ $v' = 0.5216$ ($duv = -7.52e-02$)

CCT= 1001K Prcp WL: $L_d = 620.6nm$ Purity=100.0%

Peak WL: $L_p = 628nm$ FWHM: $= 15.7nm$ Ratio: R=98.1% G=1.9% B=-0.0%

Render Index: $R_a = 21.6$ TM30: $R_f = 1$ $R_g = 0$

R1 = 0 R2 = 72 R3 = 26 R4 = 0 R5 = 0 R6 = 75 R7 = 0

R8 = 0 R9 = 0 R10 = 59 R11 = 0 R12 = 37 R13 = 22 R14 = 57 R15 = 0

LEVEL:OUT

TLCI Parameters: TLCI = 1.5

Photometric & Radiometric Parameters

Flux = 33.407 lm Eff. : 14.88 lm/W Fe = 151.92 mW

EEL: 0.33396 B

EEC: 14.9 G

Electrical parameters

V = 4.999 V I = 0.4491 A P = 2.245 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

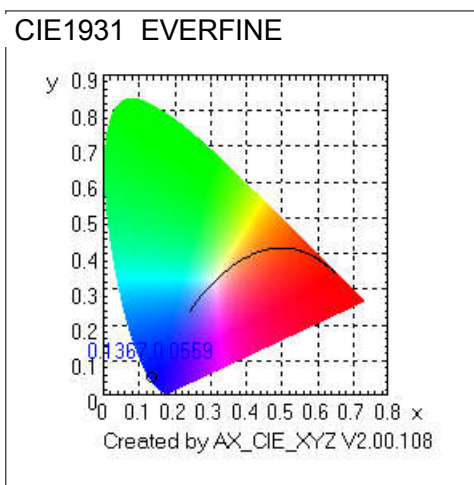
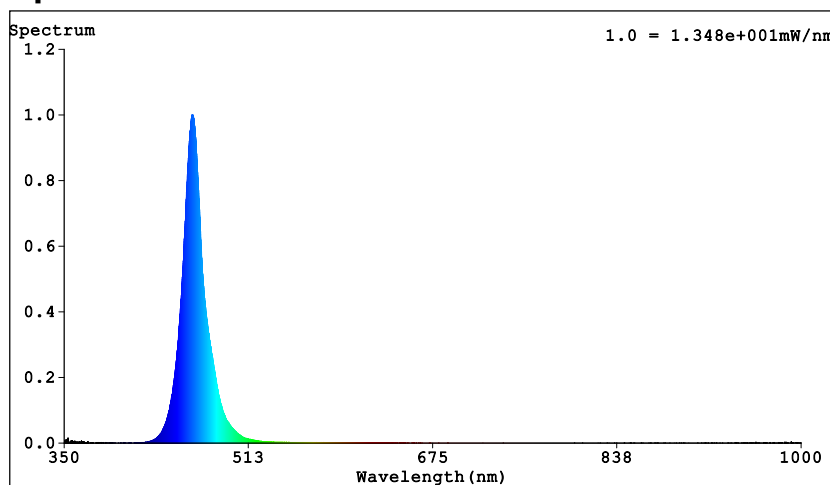
Spectrum Test Report

Sample	:		Date	:	2025-02-07
Specification	:	S010030CA3SD7 B	Sam. Status	:	1M
Sample No.	:	10104-1078-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49586 (76%)
Test Mode	:	Accuracy Test	T	:	477 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1367$ $y = 0.0559$ / $u' = 0.1609$ $v' = 0.1480$ ($duv = -1.68e-01$)

CCT>=100000K Prpc WL: Ld=467.4nm Purity=97.0%

Peak WL: Lp=463nm FWHM: =18.3nm Ratio:R=0.7% G=14.5% B=84.8%

Render Index: Ra = 0.8 TM30:Rf=0 Rg=-121

R1 =0	R2 =0	R3 =0	R4 =0	R5 =6	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=2

LEVEL:OUT

TLCI Parameters: TLCI = 1.0

Photometric & Radiometric Parameters

Flux = 20.823 lm Eff. : 9.45 lm/W Fe = 323.38 mW

EEL: 0.43760 B

EEC: 9.4 G

Electrical parameters

V = 4.999 V I = 0.4408 A P = 2.204 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010030CA3SD7 Mixed
Sample No. : 10104-1078-00
Manufacturer : iPixel LED

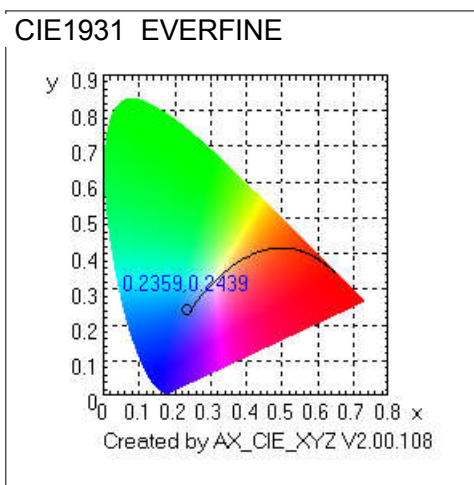
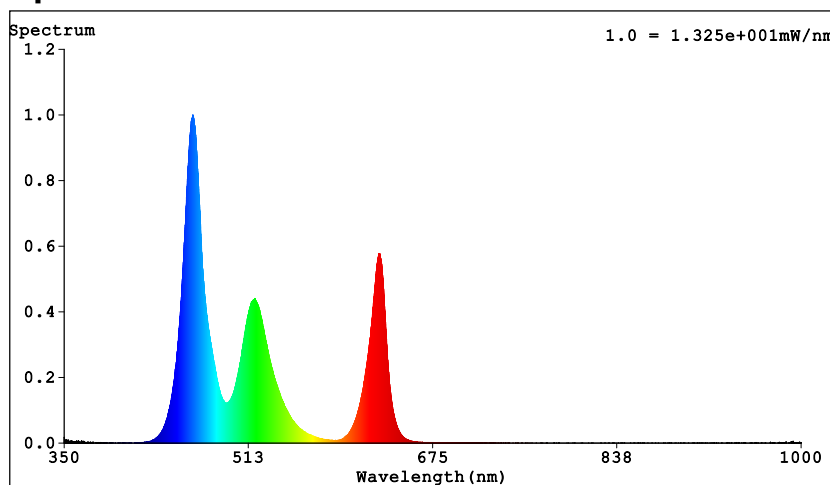
Date : 2025-02-07
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

Temperature : 25.3 °C
WL Range : 350nm-1000nm
Test Mode : Accuracy Test

RH : 65.0%
IP : 48738 (74%)
T : 477 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2359$ $y = 0.2439$ / $u' = 0.1730$ $v' = 0.4024$ ($duv=8.01e-03$)

CCT= 88060K Prcp WL: Ld=478.5nm Purity=41.3%

Peak WL: Lp=464nm FWHM: =18.6nm Ratio:R=21.6% G=65.2% B=13.2%

Render Index: Ra = 49.8 TM30:Rf=50 Rg=111

R1 =34 R2 =58 R3 =71 R4 =54 R5 =57 R6 =57 R7 =58

R8 =9 R9 =0 R10=0 R11=44 R12=61 R13=36 R14=79 R15=15

LEVEL:OUT

TLCI Parameters: TLCI = 18.1

Photometric & Radiometric Parameters

Flux = 145.88 lm Eff. : 26.29 lm/W Fe = 662.38 mW

EEL: 0.31217 B

EEC: 26.3 G

Electrical parameters

V = 4.999 V I = 1.110 A P = 5.549 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

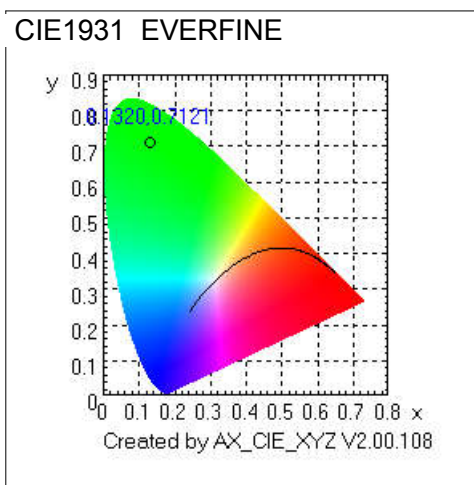
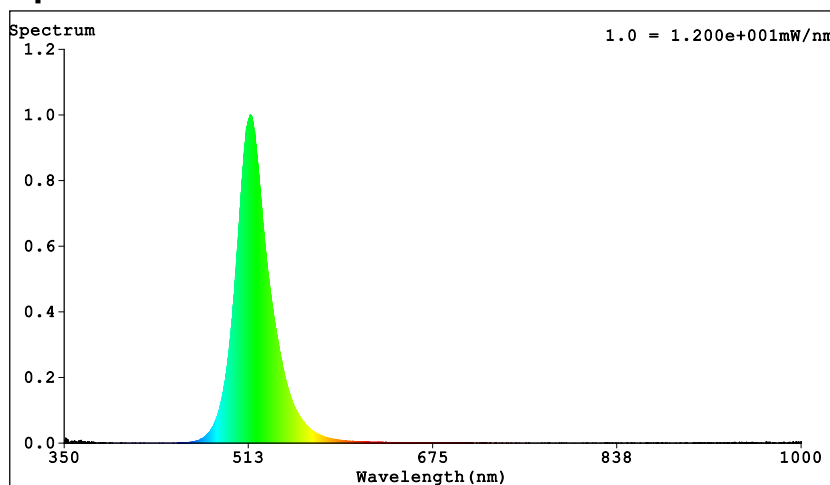
Spectrum Test Report

Sample	:		Date	:	2025-03-17
Specification	:	S010060CA3SA6 G	Sam. Status	:	1M
Sample No.	:	10104-1329-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LINZINA

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	48088 (73%)
Test Mode	:	Accuracy Test	T	:	464 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1320$ $y = 0.7121$ / $u' = 0.0468$ $v' = 0.5681$ ($duv=1.67e-01$)

CCT= 8565K Prcp WL: Ld=519.2nm Purity=75.9%

Peak WL: Lp=514nm FWHM: =29.4nm Ratio:R=0.3% G=95.8% B=3.9%

Render Index: Ra = 0.0 TM30:Rf=1 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=35 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.7

Photometric & Radiometric Parameters

Flux = 184.65 lm Eff. : 37.66 lm/W Fe = 427.86 mW

EEI: 0.23341 A

EEC: 37.7 G

Electrical parameters

V = 4.999 V I = 0.9807 A P = 4.903 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

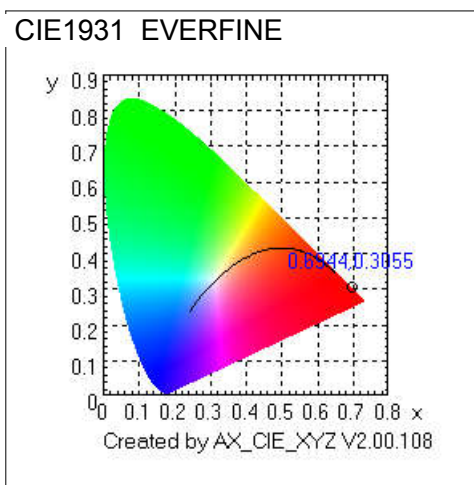
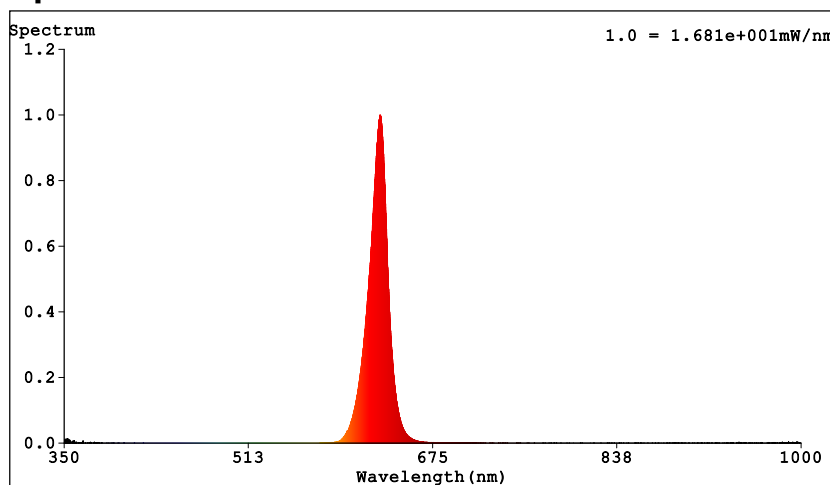
Spectrum Test Report

Sample	:		Date	:	2025-03-17
Specification	:	S010060CA3SA6 R	Sam. Status	:	1M
Sample No.	:	10104-1329-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LINZINA

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	48724 (74%)
Test Mode	:	Accuracy Test	T	:	388 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6944$ $y = 0.3055$ / $u' = 0.5263$ $v' = 0.5210$ ($duv = -7.87e-02$)

CCT= 1001K Prcp WL: Ld=621.5nm Purity=100.0%

Peak WL: Lp=629nm FWHM: =16.9nm Ratio:R=98.3% G=1.7% B=-0.0%

Render Index: Ra = 23.6 TM30:Rf=1 Rg=0

R1 =0 R2 =77 R3 =24 R4 =0 R5 =0 R6 =88 R7 =0

R8 =0 R9 =0 R10=69 R11=0 R12=78 R13=26 R14=56 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.4

Photometric & Radiometric Parameters

Flux = 71.634 lm Eff. : 14.47 lm/W Fe = 339.13 mW

EEL: 0.45190 B

EEC: 14.5 G

Electrical parameters

V = 4.999 V I = 0.9905 A P = 4.952 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

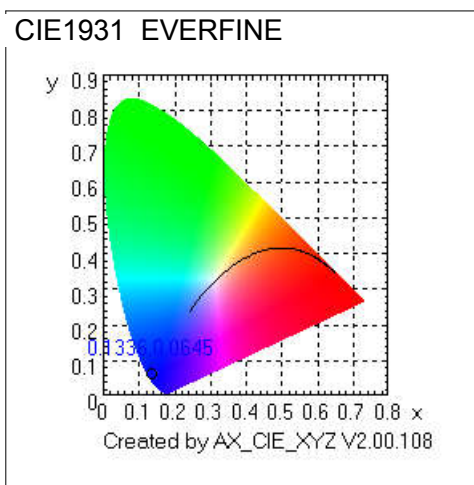
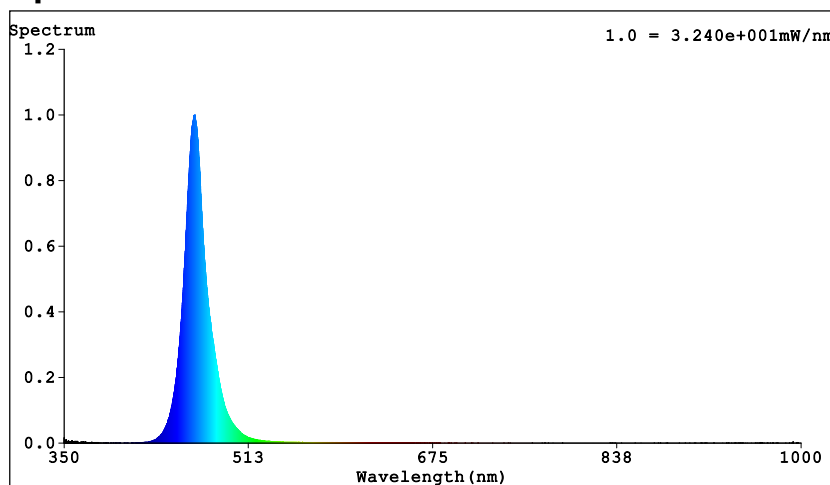
Spectrum Test Report

Sample	:		Date	:	2025-03-17
Specification	:	S010060CA3SA6 B	Sam. Status	:	1M
Sample No.	:	10104-1329-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LINZINA

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	43276 (66%)
Test Mode	:	Accuracy Test	T	:	194 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1336$ $y = 0.0645$ / $u' = 0.1524$ $v' = 0.1655$ ($duv = -1.58e-01$)

CCT>=100000K Prcp WL: Ld=469.2nm Purity=96.4%

Peak WL: Lp=466nm FWHM: =19.7nm Ratio:R=0.7% G=17.1% B=82.2%

Render Index: Ra = 1.0 TM30:Rf=0 Rg=-102

R1 =0	R2 =0	R3 =0	R4 =0	R5 =8	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=3

LEVEL:OUT

TLCI Parameters: TLCI = 1.1

Photometric & Radiometric Parameters

Flux = 58.008 lm Eff. : 11.56 lm/W Fe = 813.68 mW

EEI: 0.52558 B

EEC: 11.6 G

Electrical parameters

V = 4.999 V I = 1.003 A P = 5.016 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

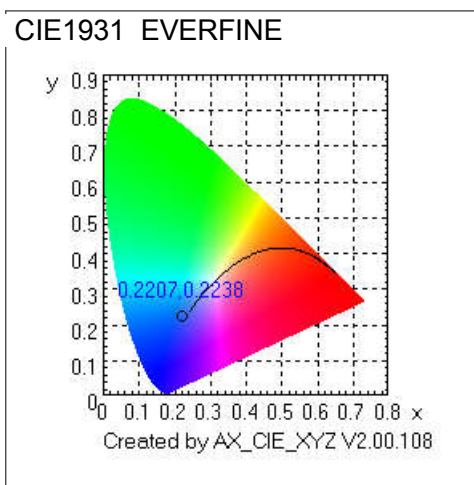
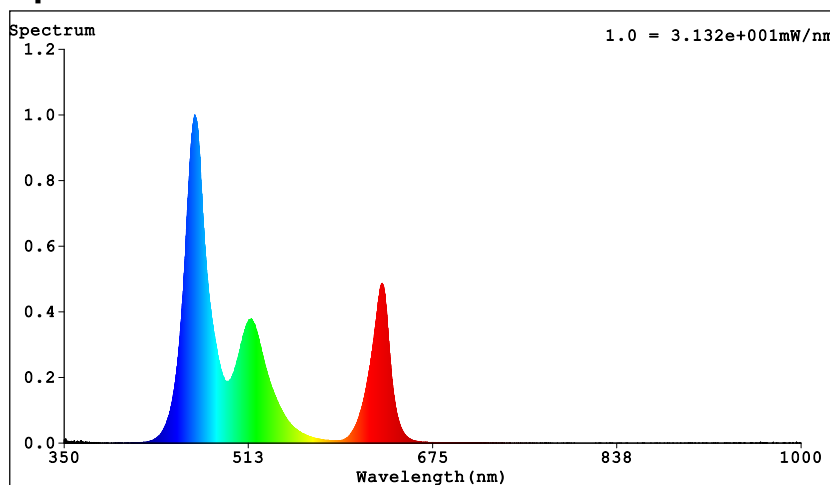
Spectrum Test Report

Sample	:		Date	:	2025-03-17
Specification	:	S010060CA3SA6 Mixed	Sam. Status	:	1M
Sample No.	:	10104-1329-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LINZINA

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	41828 (64%)
Test Mode	:	Accuracy Test	T	:	194 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2207$ $y = 0.2238$ / $u' = 0.1684$ $v' = 0.3841$ ($duv = -1.58e-02$)

CCT>=100000K Prcp WL: Ld=477.5nm Purity=48.5%

Peak WL: Lp=465nm FWHM: =20.5nm Ratio:R=20.9% G=60.9% B=18.2%

Render Index: Ra = 40.3 TM30:Rf=40 Rg=108

R1 =32 R2 =40 R3 =45 R4 =58 R5 =54 R6 =39 R7 =48

R8 =6 R9 =0 R10=0 R11=61 R12=48 R13=27 R14=67 R15=11

LEVEL:OUT

TLCI Parameters: TLCI = 13.5

Photometric & Radiometric Parameters

Flux = 301.59 lm Eff. : 22.30 lm/W Fe = 1.5334 W

EEL: 0.44985 B

EEC: 22.3 G

Electrical parameters

V = 4.999 V I = 2.705 A P = 13.52 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

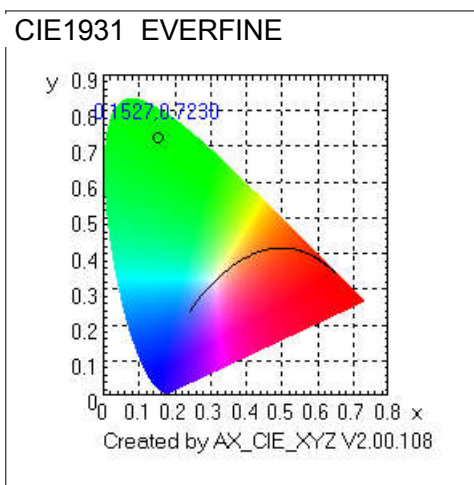
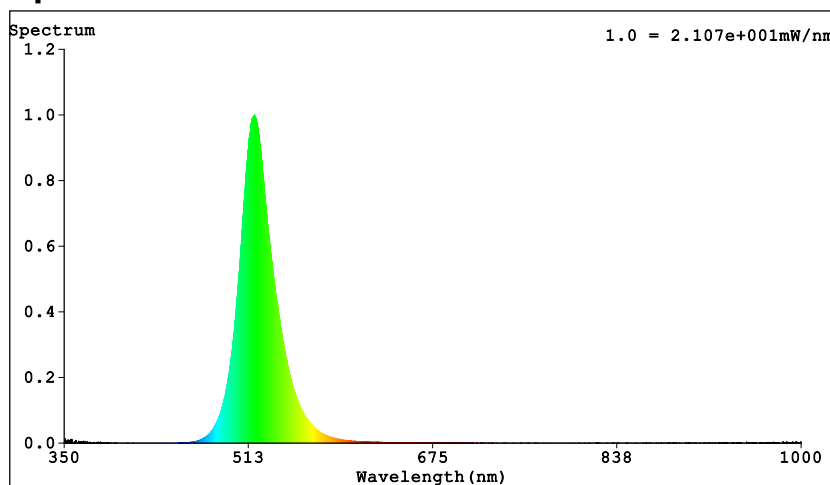
Spectrum Test Report

Sample	:		Date	:	2025-04-02
Specification	:	S012144CB3SB7 G	Sam. Status	:	1M
Sample No.	:	10104-0048-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	50407 (77%)
Test Mode	:	Accuracy Test	T	:	268 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1527$ $y = 0.7230$ / $u' = 0.0537$ $v' = 0.5723$ ($duv=1.62e-01$)

CCT= 8123K Prcp WL: Ld=523.6nm Purity=78.4%

Peak WL: Lp=518nm FWHM: =31.1nm Ratio:R=0.3% G=97.1% B=2.6%

Render Index: Ra = 0.0 TM30:Rf=1 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=38 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.8

Photometric & Radiometric Parameters

Flux = 364.00 lm Eff. : 18.79 lm/W Fe = 783.87 mW

EEI: 0.55941 B

EEC: 18.8 G

Electrical parameters

V = 12.00 V I = 1.614 A P = 19.37 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

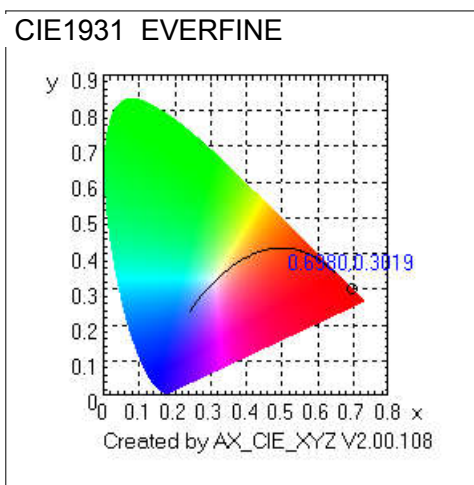
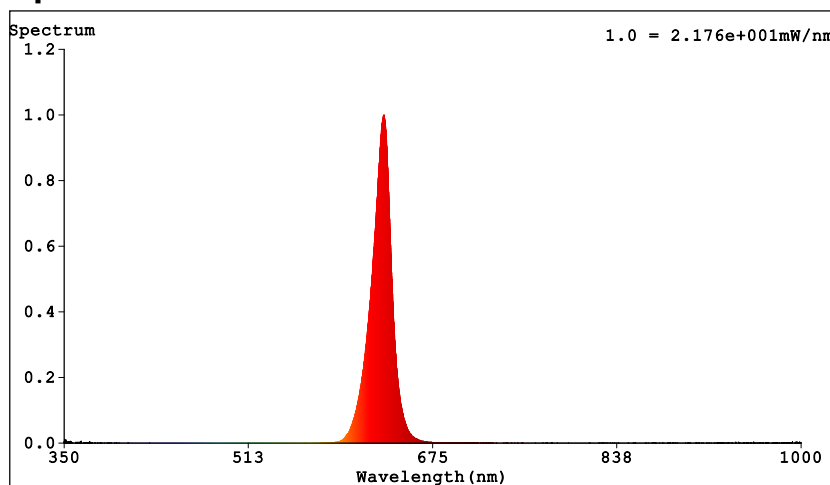
Spectrum Test Report

Sample	:		Date	:	2025-04-02
Specification	:	S012144CB3SB7 R	Sam. Status	:	1M
Sample No.	:	10104-0048-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	43573 (66%)
Test Mode	:	Accuracy Test	T	:	268 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6980$ $y = 0.3019$ / $u' = 0.5342$ $v' = 0.5199$ ($duv = -8.66e-02$)

CCT= 1001K Prcp WL: $L_d = 623.5nm$ Purity=100.0%

Peak WL: $L_p = 632nm$ FWHM: $= 17.6nm$ Ratio: $R = 98.5\%$ $G = 1.5\%$ $B = -0.0\%$

Render Index: $R_a = 23.6$ TM30: $R_f = 1$ $R_g = 0$

$R_1 = 0$ $R_2 = 76$ $R_3 = 26$ $R_4 = 0$ $R_5 = 0$ $R_6 = 87$ $R_7 = 0$

$R_8 = 0$ $R_9 = 0$ $R_{10} = 68$ $R_{11} = 0$ $R_{12} = 78$ $R_{13} = 25$ $R_{14} = 56$ $R_{15} = 0$

LEVEL:OUT

TLCI Parameters: TLCI = 1.5

Photometric & Radiometric Parameters

Flux = 88.143 lm Eff. : 4.56 lm/W $\Phi_e = 457.13 mW$

EEL: 1.53544 E Lowest

EEC: 4.6 G

Electrical parameters

$V = 12.00 V$ $I = 1.610 A$ $P = 19.32 W$ PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

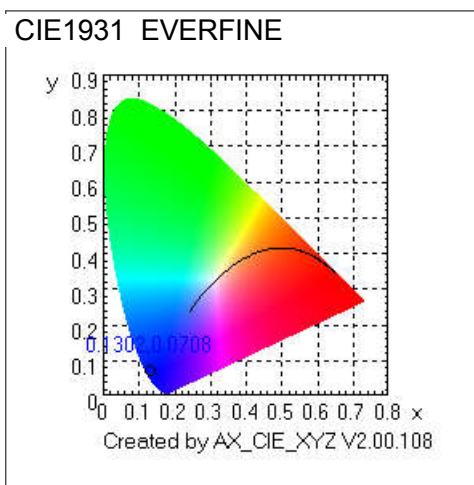
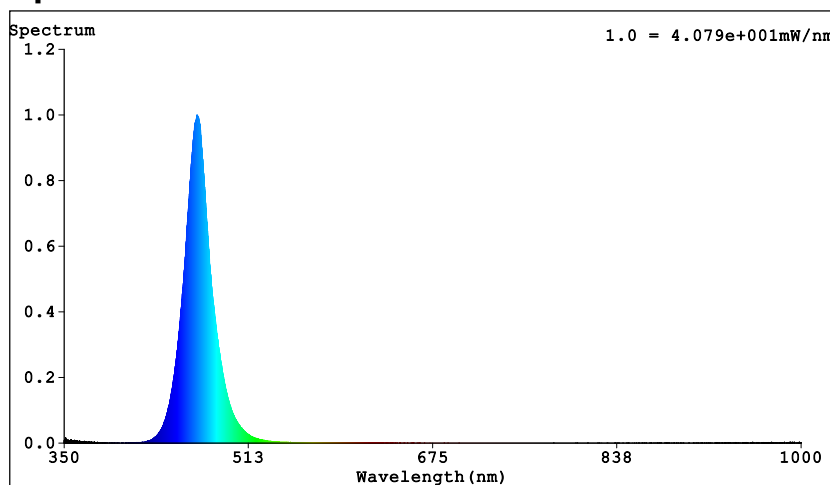
Spectrum Test Report

Sample	:		Date	:	2025-04-02
Specification	:	S012144CB3SB7 B	Sam. Status	:	1M
Sample No.	:	10104-0048-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49134 (75%)
Test Mode	:	Accuracy Test	T	:	177 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1302$ $y = 0.0708$ / $u' = 0.1451$ $v' = 0.1775$ ($duv = -1.52e-01$)

CCT>=100000K Prcp WL: Ld=470.6nm Purity=96.3%

Peak WL: Lp=467nm FWHM: =24.2nm Ratio:R=0.4% G=16.9% B=82.7%

Render Index: Ra = 0.2 TM30:Rf=0 Rg=-70

R1 =0	R2 =0	R3 =0	R4 =0	R5 =2	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 0.8

Photometric & Radiometric Parameters

Flux = 89.978 lm Eff. : 4.62 lm/W Fe = 1.2025 W

EEL: 1.52533 E Lowest

EEC: 4.6 G

Electrical parameters

V = 12.00 V I = 1.622 A P = 19.46 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

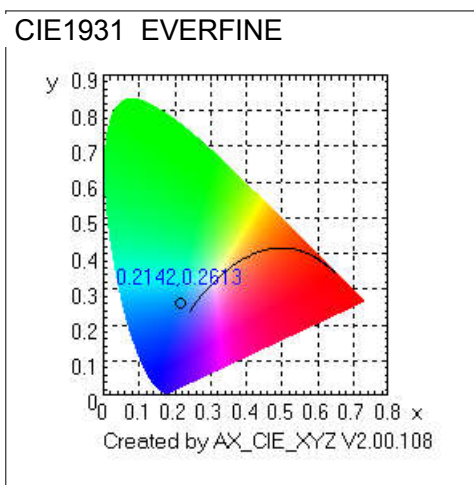
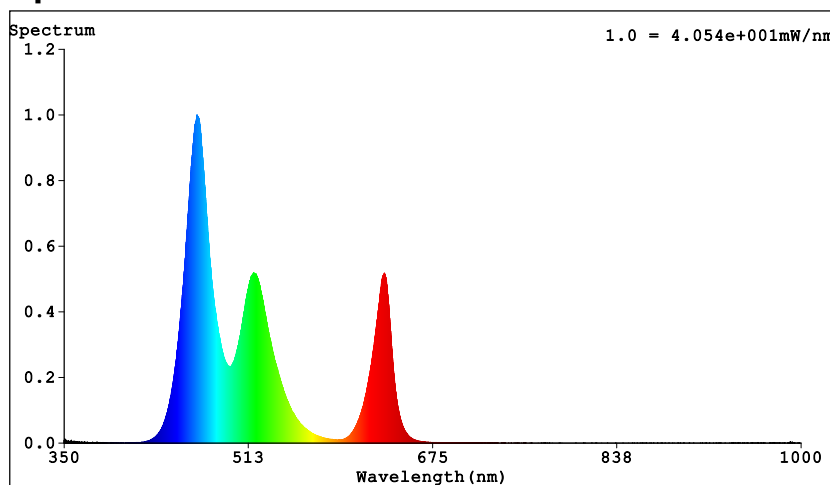
Spectrum Test Report

Sample	:		Date	:	2025-04-02
Specification	:	S012144CB3SB7 Mixed	Sam. Status	:	1M
Sample No.	:	10104-0048-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	48763 (74%)
Test Mode	:	Accuracy Test	T	:	177 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2142$ $y = 0.2613$ / $u' = 0.1501$ $v' = 0.4121$ ($duv=3.17e-02$)

CCT= 75980K Prpc WL: $L_d=483.5nm$ Purity=46.3%

Peak WL: $L_p=467nm$ FWHM: $=24.7nm$ Ratio:R=15.8% G=68.5% B=15.7%

Render Index: $R_a = 63.5$ TM30:Rf=52 Rg=98

R1 =68 R2 =65 R3 =64 R4 =74 R5 =83 R6 =63 R7 =57

R8 =34 R9 =0 R10=17 R11=80 R12=67 R13=57 R14=77 R15=47

LEVEL:OUT

TLCI Parameters: TLCI = 16.1

Photometric & Radiometric Parameters

Flux = 532.83 lm Eff. : 27.20 lm/W $Fe = 2.3958 W$

EEL: 0.42194 B

EEC: 27.2 G

Electrical parameters

V = 12.00 V I = 1.632 A P = 19.59 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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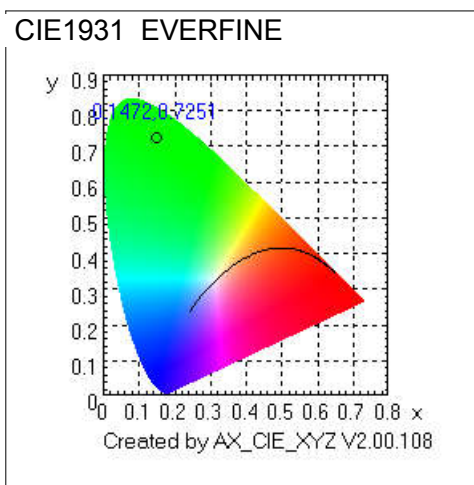
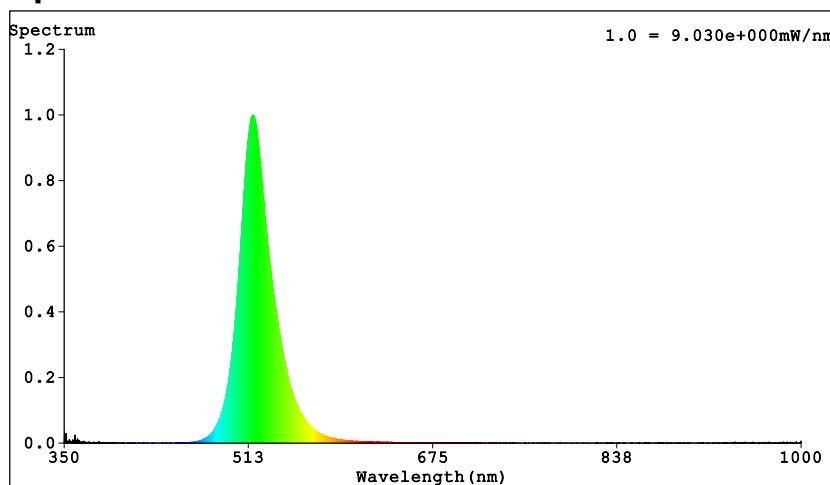
Spectrum Test Report

Sample	:		Date	:	2025-10-20
Specification	:	S010060CB3SB7 G	Sam. Status	:	1M
Sample No.	:	10104-0053-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LZN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	51007 (78%)
Test Mode	:	Fast Test	T	:	643 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1472$ $y = 0.7251$ / $u' = 0.0516$ $v' = 0.5721$ ($duv=1.64e-01$)

CCT= 8206K Prcp WL: $L_d=522.8nm$ Purity=78.6%

Peak WL: $L_p=517nm$ FWHM: $=29.4nm$ Ratio:R=0.3% G=97.1% B=2.6%

Render Index: $R_a = 0.0$ TM30:Rf=1 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=35 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.9

Photometric & Radiometric Parameters

Flux = 147.14 lm Eff. : 17.32 lm/W Fe = 321.70 mW

EEL: 0.47495 B

EEC: 17.3 G

Electrical parameters

V = 12.00 V I = 0.7079 A P = 8.494 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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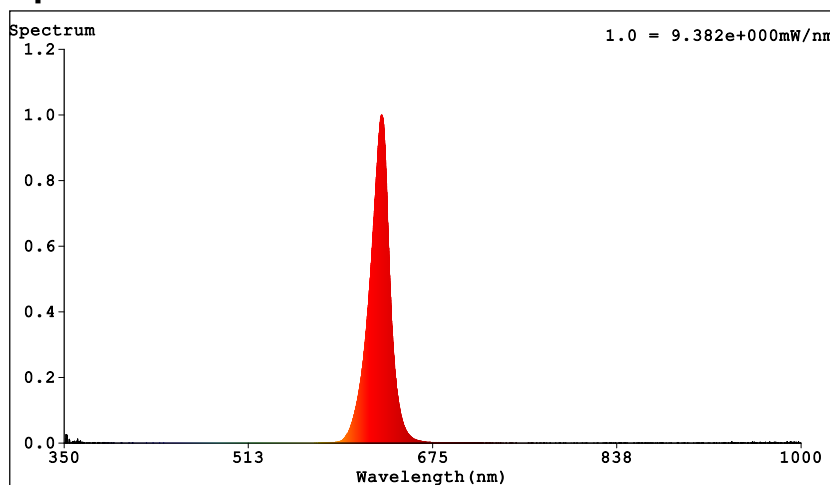
Spectrum Test Report

Sample	:		Date	:	2025-10-20
Specification	:	S010060CB3SB7 R	Sam. Status	:	1M
Sample No.	:	10104-0053-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LZN

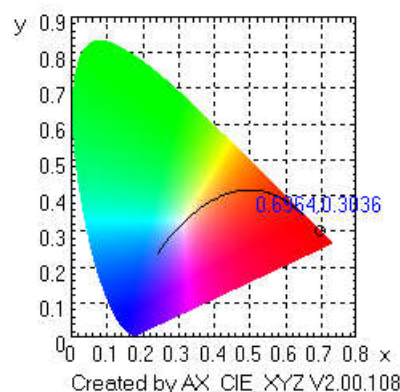
Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	44862 (68%)
Test Mode	:	Fast Test	T	:	643 ms
			Sensitivity	:	High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6964$ $y = 0.3036$ / $u' = 0.5305$ $v' = 0.5204$ ($duv = -8.29e-02$)

CCT= 1001K Prcp WL: $L_d = 622.5nm$ Purity=100.0%

Peak WL: $L_p = 630nm$ FWHM: $= 17.3nm$ Ratio: R=98.6% G=1.4% B=-0.0%

Render Index: $R_a = 21.6$ TM30: $R_f = 1$ $R_g = 0$

R1 = 0 R2 = 72 R3 = 27 R4 = 0 R5 = 0 R6 = 73 R7 = 0

R8 = 0 R9 = 0 R10 = 60 R11 = 0 R12 = 0 R13 = 22 R14 = 57 R15 = 0

LEVEL:OUT

TLCI Parameters: TLCI = 1.9

Photometric & Radiometric Parameters

Flux = 39.065 lm Eff. : 4.62 lm/W Fe = 193.34 mW

EEL: 1.14110 E Lowest

EEC: 4.6 G

Electrical parameters

V = 12.00 V I = 0.7051 A P = 8.460 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

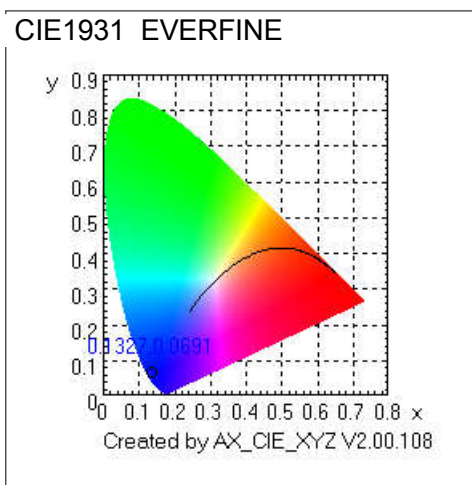
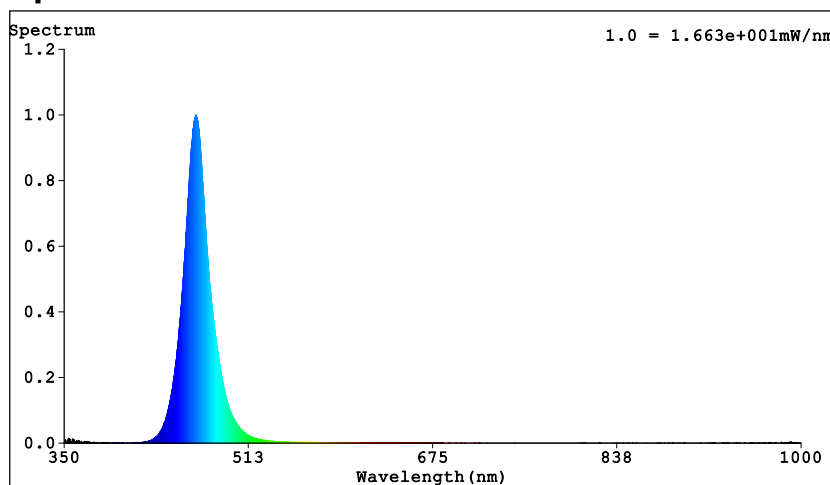
Spectrum Test Report

Sample	:		Date	:	2025-10-20
Specification	:	S010060CB3SB7 B	Sam. Status	:	1M
Sample No.	:	10104-0053-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LZN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	52497 (80%)
Test Mode	:	Fast Test	T	:	459 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1327$ $y = 0.0691$ / $u' = 0.1489$ $v' = 0.1745$ ($duv = -1.53e-01$)

CCT>=100000K Prcp WL: Ld=470.0nm Purity=95.9%

Peak WL: Lp=466nm FWHM: =23.2nm Ratio:R=0.8% G=18.5% B=80.7%

Render Index: Ra = 1.0 TM30:Rf=0 Rg=-88

R1 =0	R2 =0	R3 =0	R4 =0	R5 =8	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=4

LEVEL:OUT

TLCI Parameters: TLCI = 1.2

Photometric & Radiometric Parameters

Flux = 35.392 lm Eff. : 4.17 lm/W Fe = 473.95 mW

EEL: 1.21842 E Lowest

EEC: 4.2 G

Electrical parameters

V = 12.00 V I = 0.7077 A P = 8.492 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

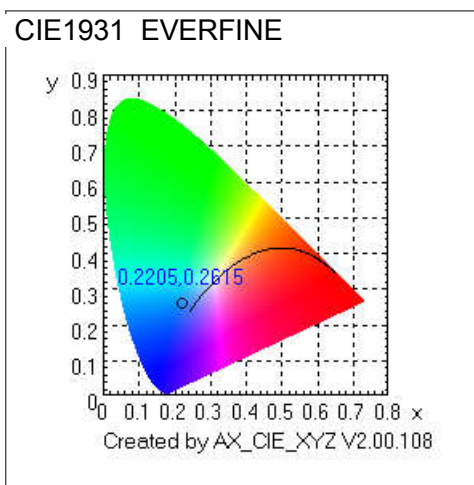
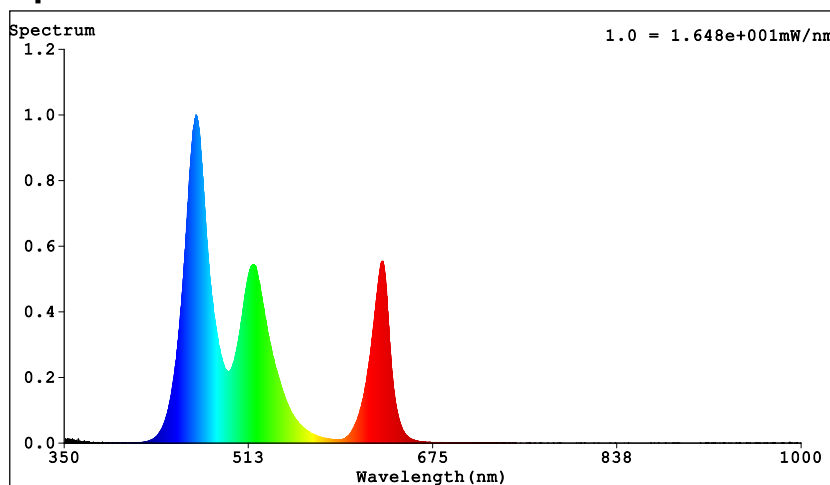
Spectrum Test Report

Sample	:		Date	:	2025-10-20
Specification	:	S010060CB3SB7 Mixed	Sam. Status	:	1M
Sample No.	:	10104-0053-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LZN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	52047 (79%)
Test Mode	:	Fast Test	T	:	459 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2205$ $y = 0.2615$ / $u' = 0.1548$ $v' = 0.4131$ ($duv=2.74e-02$)

CCT= 51960K Prcp WL: $L_d=483.0nm$ Purity=44.2%

Peak WL: $L_p=466nm$ FWHM: $=23.7nm$ Ratio:R=17.3% G=67.9% B=14.8%

Render Index: $R_a = 60.4$ TM30:Rf=51 Rg=101

R1 =60 R2 =64 R3 =64 R4 =73 R5 =77 R6 =61 R7 =56

R8 =28 R9 =0 R10=11 R11=74 R12=67 R13=53 R14=77 R15=40

LEVEL:OUT

TLCI Parameters: TLCI = 16.5

Photometric & Radiometric Parameters

Flux = 217.59 lm Eff. : 25.59 lm/W Fe = 971.26 mW

EEL: 0.35967 B

EEC: 25.6 G

Electrical parameters

V = 12.00 V I = 0.7087 A P = 8.504 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

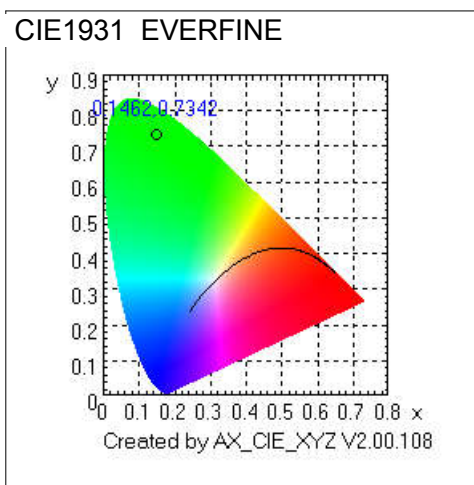
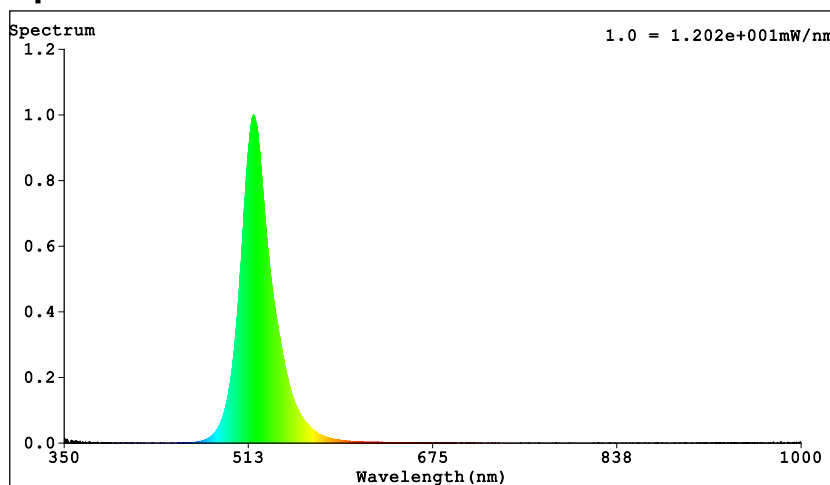
Spectrum Test Report

Sample	:		Date	:	2026-03-07
Specification	:	S010060CA3SD7 G	Sam. Status	:	1M
Sample No.	:	10104-1555-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	52279 (80%)
Test Mode	:	Fast Test	T	:	513 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1462$ $y = 0.7342$ / $u' = 0.0508$ $v' = 0.5737$ ($duv=1.65e-01$)

CCT= 8170K Prcp WL: $L_d=523.4nm$ Purity=80.6%

Peak WL: $L_p=517nm$ FWHM: $=27.4nm$ Ratio:R=0.3% G=97.6% B=2.1%

Render Index: $R_a = 0.0$ TM30:Rf=1 Rg=6

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=33 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.5

Photometric & Radiometric Parameters

Flux = 188.20 lm Eff. : 48.21 lm/W Fe = 404.11 mW

EEL: 0.18334 A

EEC: 48.2 G

Electrical parameters

V = 4.999 V I = 0.7809 A P = 3.904 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

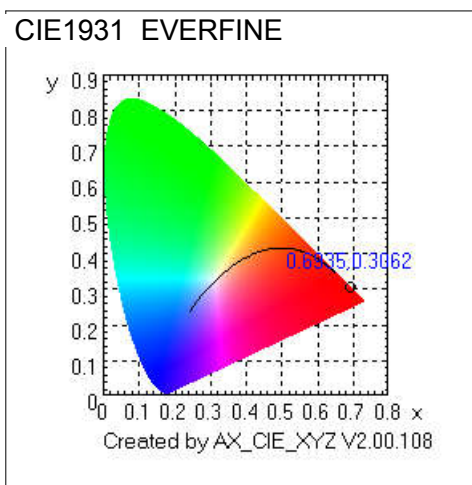
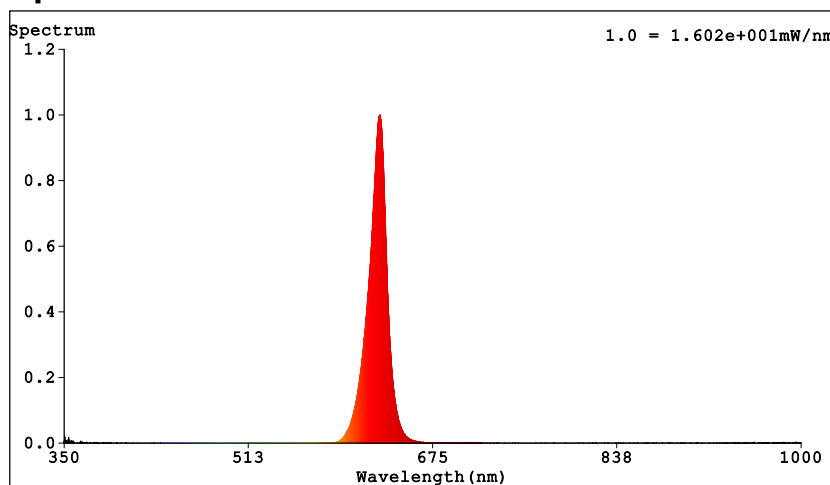
Spectrum Test Report

Sample	:		Date	:	2026-03-07
Specification	:	S010060CA3SD7 R	Sam. Status	:	1M
Sample No.	:	10104-1555-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	52368 (80%)
Test Mode	:	Fast Test	T	:	449 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6935$ $y = 0.3062$ / $u' = 0.5247$ $v' = 0.5212$ ($duv = -7.71e-02$)

CCT= 1001K Prcp WL: Ld=621.1nm Purity=99.9%

Peak WL: Lp=629nm FWHM: =15.9nm Ratio:R=98.2% G=1.8% B=0.0%

Render Index: Ra = 24.0 TM30:Rf=1 Rg=0

R1 =1 R2 =78 R3 =24 R4 =0 R5 =0 R6 =90 R7 =0

R8 =0 R9 =0 R10=71 R11=0 R12=79 R13=27 R14=55 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.7

Photometric & Radiometric Parameters

Flux = 66.636 lm Eff. : 16.92 lm/W Fe = 309.15 mW

EEL: 0.37690 B

EEC: 16.9 G

Electrical parameters

V = 4.999 V I = 0.7877 A P = 3.938 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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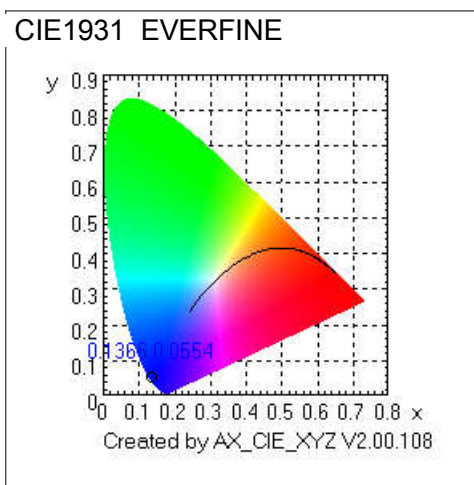
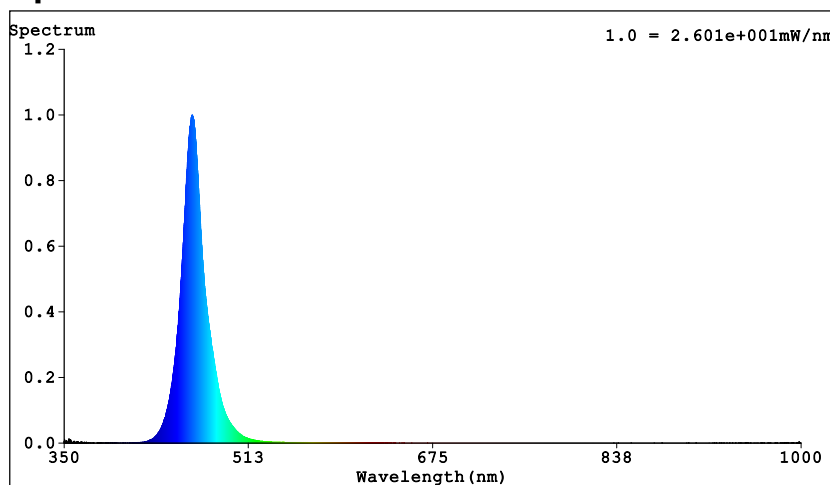
Spectrum Test Report

Sample	:		Date	:	2026-03-07
Specification	:	S010060CA3SD7 B	Sam. Status	:	1M
Sample No.	:	10104-1555-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	52844 (81%)
Test Mode	:	Fast Test	T	:	311 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1366$ $y = 0.0554$ / $u' = 0.1612$ $v' = 0.1470$ ($duv = -1.69e-01$)

CCT>=100000K Prcp WL: Ld=467.3nm Purity=97.1%

Peak WL: Lp=463nm FWHM: =20.1nm Ratio:R=0.5% G=14.1% B=85.4%

Render Index: Ra = 0.5 TM30:Rf=0 Rg=-91

R1 =0	R2 =0	R3 =0	R4 =0	R5 =4	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=1

LEVEL:OUT

TLCI Parameters: TLCI = 0.8

Photometric & Radiometric Parameters

Flux = 42.632 lm Eff. : 11.02 lm/W Fe = 667.14 mW

EEL: 0.49389 B

EEC: 11.0 G

Electrical parameters

V = 4.999 V I = 0.7740 A P = 3.870 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

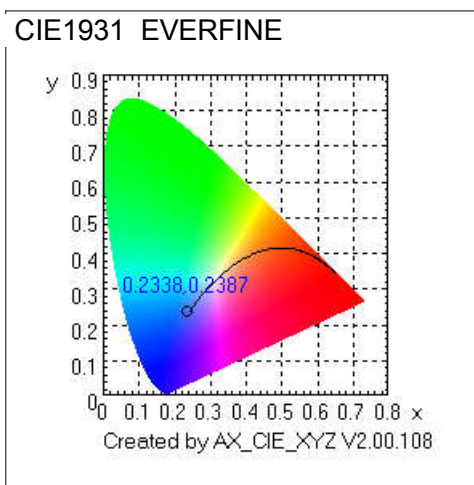
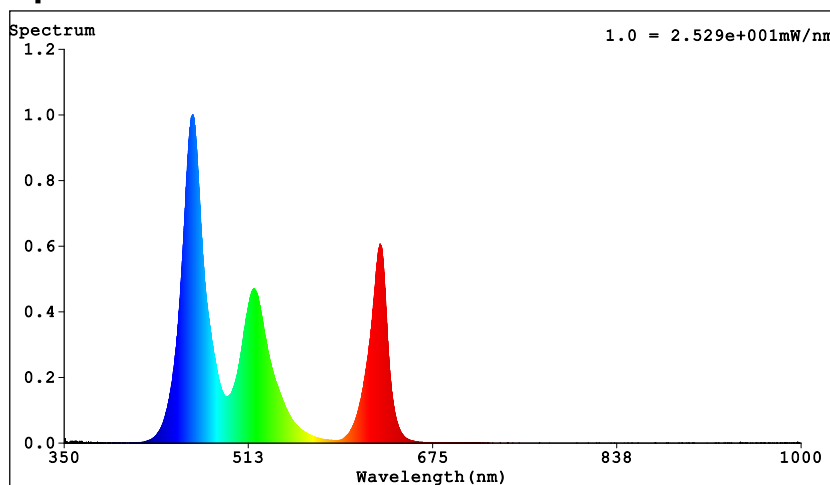
Spectrum Test Report

Sample	:		Date	:	2026-03-07
Specification	:	S010060CA3SD7 Mixed	Sam. Status	:	1M
Sample No.	:	10104-1555-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	51660 (79%)
Test Mode	:	Fast Test	T	:	311 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2338$ $y = 0.2387$ / $u' = 0.1733$ $v' = 0.3981$ ($duv = -7.39e-03$)

CCT $\geq 100000K$ Prcp WL: $L_d = 477.9nm$ Purity = 42.6%

Peak WL: $L_p = 463nm$ FWHM: $\approx 20.4nm$ Ratio: R=21.6% G=64.6% B=13.8%

Render Index: $R_a = 48.1$ TM30: $R_f = 48$ $R_g = 112$

R1 = 32 R2 = 56 R3 = 69 R4 = 54 R5 = 55 R6 = 55 R7 = 58

R8 = 7 R9 = 0 R10 = 0 R11 = 43 R12 = 61 R13 = 34 R14 = 78 R15 = 13

LEVEL: OUT

TLCI Parameters: TLCI = 17.1

Photometric & Radiometric Parameters

Flux = 289.28 lm Eff. : 28.06 lm/W $Fe = 1.3422 W$

EEI: 0.35372 B

EEC: 28.1 G

Electrical parameters

V = 4.999 V I = 2.062 A P = 10.31 W PF = 1.000

Freq = 0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010030CB3SB7 G
Sample No. : 10104-0101-00
Manufacturer : iPixel LED

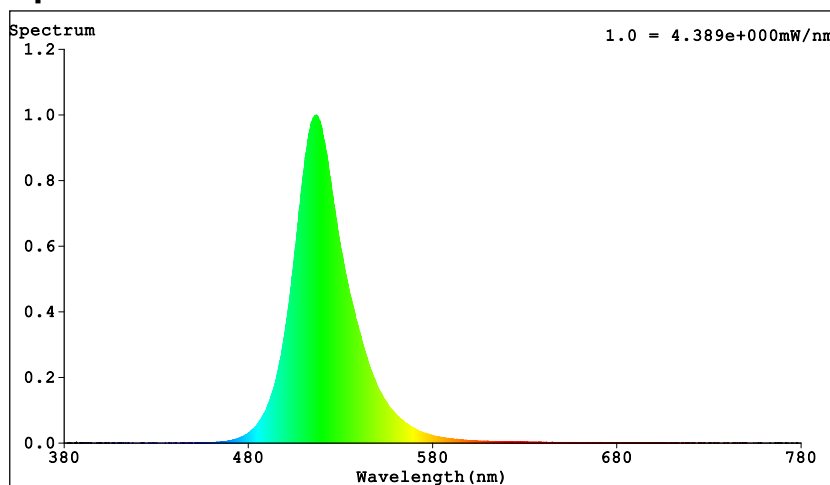
Date : 2026-05-12
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

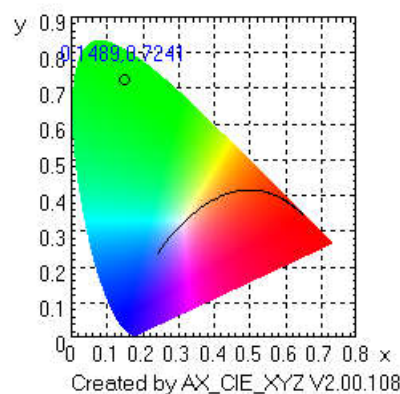
Temperature : 20.0 °C
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 53107 (81%)
T : 1445 ms
Sensitivity : High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1489$ $y = 0.7241$ / $u' = 0.0523$ $v' = 0.5721$ ($duv=1.63e-01$)

CCT= 8184K Prcp WL: Ld=523.0nm Purity=78.4%

Peak WL: Lp=517nm FWHM: =29.8nm Ratio:R=0.3% G=97.0% B=2.6%

Render Index: Ra = 0.0 TM30:Rf=1 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=36 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.0

Photometric & Radiometric Parameters

Flux = 72.465 lm Eff. : 16.08 lm/W Fe = 157.47 mW

EEL: 0.40805 B

EEC: 16.1 G

Electrical parameters

V = 12.00 V I = 0.3755 A P = 4.506 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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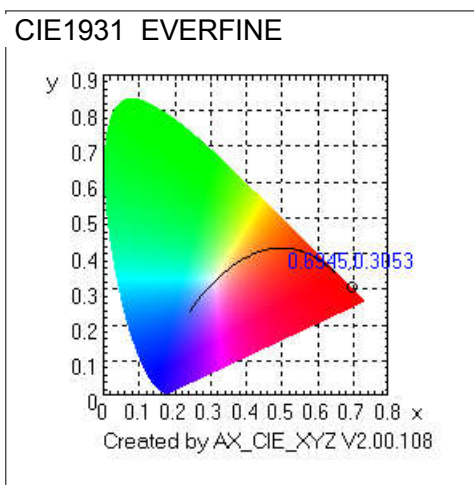
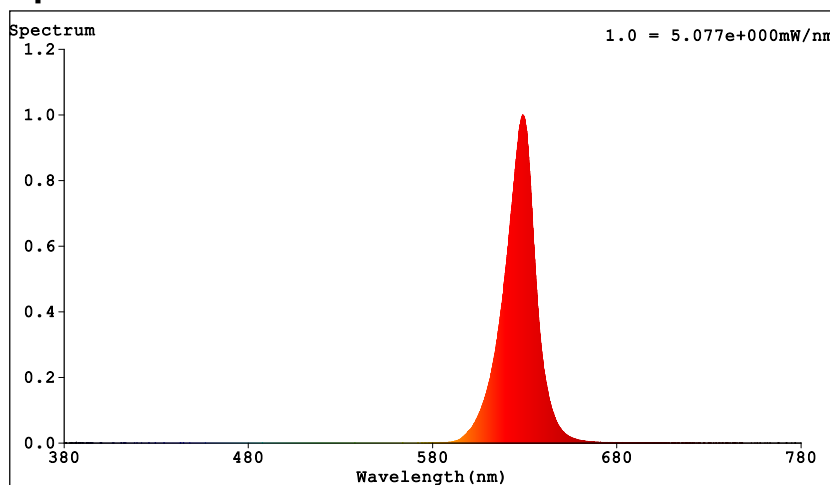
Spectrum Test Report

Sample	:		Date	:	2026-05-12
Specification	:	S010030CB3SB7 R	Sam. Status	:	1M
Sample No.	:	10104-0101-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	20.0 °C	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52953 (81%)
Test Mode	:	Fast Test	T	:	1445 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6945$ $y = 0.3053$ / $u' = 0.5267$ $v' = 0.5209$ ($duv = -7.91e-02$)

CCT= 1001K Prcp WL: $L_d = 621.6nm$ Purity=100.0%

Peak WL: $L_p = 629nm$ FWHM: $= 16.9nm$ Ratio: R=98.1% G=1.9% B=0.0%

Render Index: $R_a = 24.0$ TM30: $R_f = 1$ $R_g = 0$

R1 =1 R2 =77 R3 =24 R4 =0 R5 =0 R6 =90 R7 =0

R8 =0 R9 =0 R10 =71 R11 =0 R12 =79 R13 =27 R14 =56 R15 =0

LEVEL:OUT

TLCI Parameters: TLCI = 1.9

Photometric & Radiometric Parameters

Flux = 21.538 lm Eff. : 4.78 lm/W Fe = 102.19 mW

EEL: 0.87645 D

EEC: 4.8 G

Electrical parameters

V = 12.00 V I = 0.3754 A P = 4.504 W PF = 1.000

Freq=0.00 Hz

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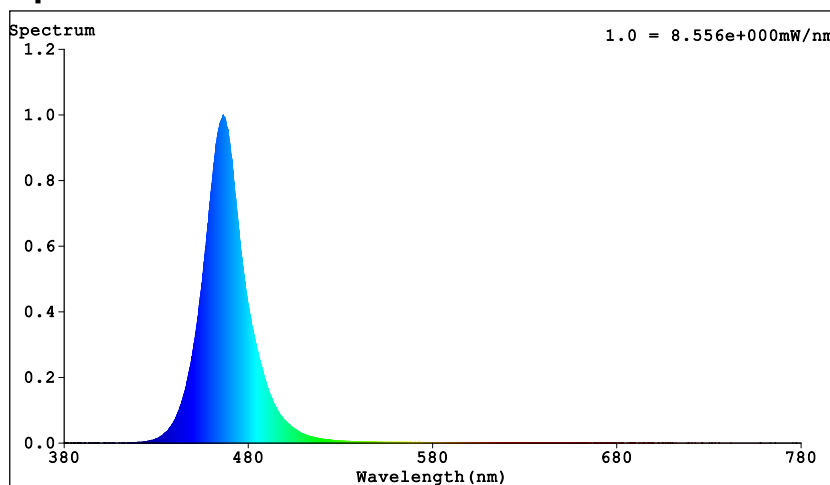
Spectrum Test Report

Sample	:		Date	:	2026-05-12
Specification	:	S010030CB3SB7 B	Sam. Status	:	1M
Sample No.	:	10104-0101-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

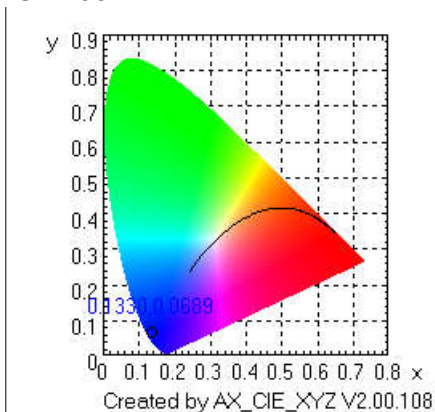
Test Condition

Temperature	:	20.0 °C	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	40486 (62%)
Test Mode	:	Fast Test	T	:	722 ms
			Sensitivity	:	High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1330$ $y = 0.0689$ / $u' = 0.1494$ $v' = 0.1742$ ($duv = -1.53e-01$)

CCT $\geq 100000K$ Prcp WL: $L_d = 469.9nm$ Purity = 95.9%

Peak WL: $L_p = 466nm$ FWHM: $= 22.9nm$ Ratio: R=0.9% G=18.5% B=80.6%

Render Index: $R_a = 1.2$ TM30: $R_f = 0$ $R_g = -89$

R1 = 0 R2 = 0 R3 = 0 R4 = 0 R5 = 10 R6 = 0 R7 = 0

R8 = 0 R9 = 0 R10 = 0 R11 = 0 R12 = 0 R13 = 0 R14 = 0 R15 = 5

LEVEL: OUT

TLCI Parameters: TLCI = 1.3

Photometric & Radiometric Parameters

Flux = 17.872 lm Eff. : 3.97 lm/W Fe = 238.57 mW

EEL: 0.97903 E Lowest

EEC: 4.0 G

Electrical parameters

V = 12.00 V I = 0.3750 A P = 4.500 W PF = 1.000

Freq = 0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S010030CB3SB7 Mixed
Sample No. : 10104-0101-00
Manufacturer : iPixel LED

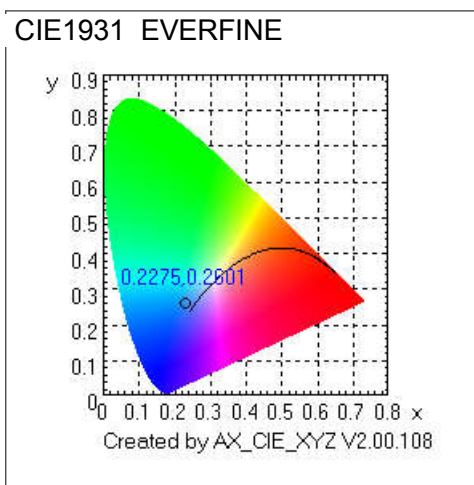
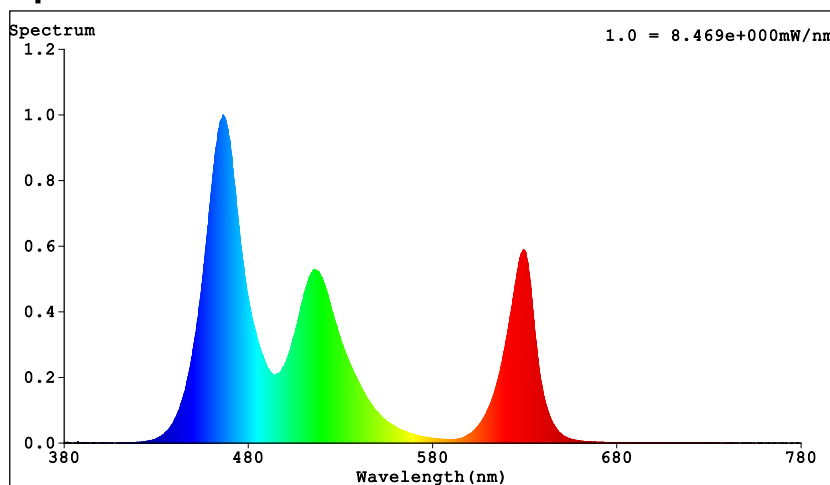
Date : 2026-05-12
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

Temperature : 20.0 °C
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 40110 (61%)
T : 722 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2275$ $y = 0.2601$ / $u' = 0.1606$ $v' = 0.4131$ ($duv=2.18e-02$)

CCT= 41460K Prcp WL: $L_d=482.2nm$ Purity=42.1%

Peak WL: $L_p=466nm$ FWHM: $=23.2nm$ Ratio:R=18.9% G=66.4% B=14.7%

Render Index: $R_a = 55.5$ TM30:Rf=49 Rg=103

R1 =50 R2 =60 R3 =63 R4 =67 R5 =69 R6 =58 R7 =55

R8 =22 R9 =0 R10=3 R11=67 R12=66 R13=47 R14=76 R15=32

LEVEL:OUT

TLCI Parameters: TLCI = 16.8

Photometric & Radiometric Parameters

Flux = 110.69 lm Eff. : 24.05 lm/W Fe = 492.79 mW

EEL: 0.31342 B

EEC: 24.1 G

Electrical parameters

V = 12.00 V I = 0.3835 A P = 4.602 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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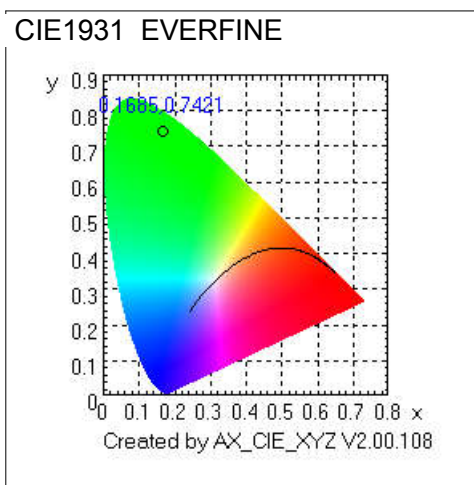
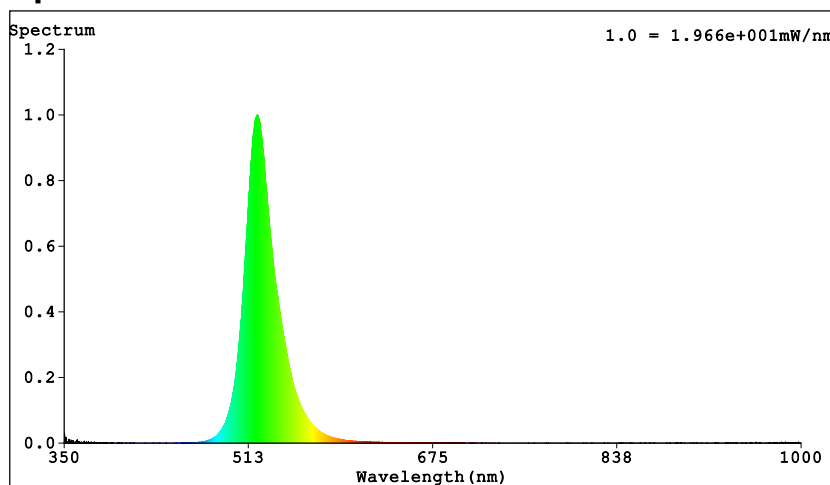
Spectrum Test Report

Sample	:		Date	:	2026-06-21
Specification	:	S010060CC3SB7 G	Sam. Status	:	1M
Sample No.	:	10104-1624-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	53370 (81%)
Test Mode	:	Fast Test	T	:	325 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1685$ $y = 0.7421$ / $u' = 0.0582$ $v' = 0.5773$ ($duv=1.60e-01$)

CCT= 7764K Prcp WL: $L_d=528.1nm$ Purity=85.0%

Peak WL: $L_p=520nm$ FWHM: $=27.6nm$ Ratio:R=0.3% G=98.5% B=1.2%

Render Index: $R_a = 0.0$ TM30:Rf=1 Rg=5

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=32 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.5

Photometric & Radiometric Parameters

Flux = 331.75 lm Eff. : 84.24 lm/W Fe = 663.05 mW

EEL: 0.12198 A+

EEC: 84.2 G

Electrical parameters

V = 24.00 V I = 0.1641 A P = 3.938 W PF = 1.000

Freq=0.00 Hz

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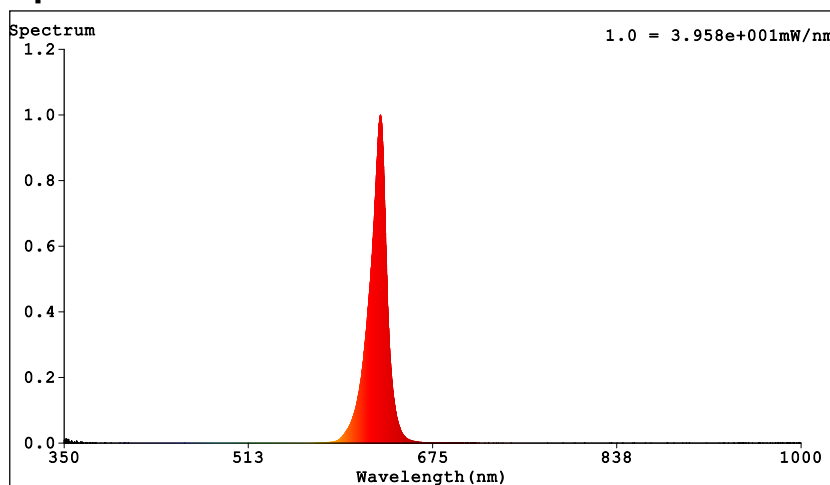
Spectrum Test Report

Sample	:		Date	:	2026-06-21
Specification	:	S010060CC3SB7 R	Sam. Status	:	1M
Sample No.	:	10104-1624-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

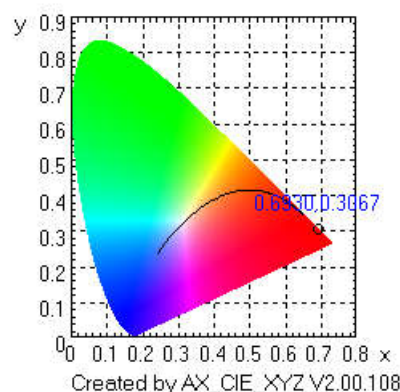
Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	45592 (70%)
Test Mode	:	Fast Test	T	:	162 ms
			Sensitivity	:	High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6930$ $y = 0.3067$ / $u' = 0.5235$ $v' = 0.5214$ ($duv = -7.59e-02$)

CCT= 1001K Prcp WL: Ld=620.8nm Purity=99.9%

Peak WL: Lp=629nm FWHM: =14.4nm Ratio:R=97.2% G=2.8% B=0.0%

Render Index: Ra = 24.4 TM30:Rf=1 Rg=0

R1 =3 R2 =78 R3 =25 R4 =0 R5 =0 R6 =90 R7 =0

R8 =0 R9 =0 R10=71 R11=0 R12=79 R13=27 R14=57 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.9

Photometric & Radiometric Parameters

Flux = 153.64 lm Eff. : 38.97 lm/W Fe = 708.96 mW

EEL: 0.21387 A

EEC: 39.0 G

Electrical parameters

V = 24.00 V I = 0.1643 A P = 3.943 W PF = 1.000

Freq=0.00 Hz

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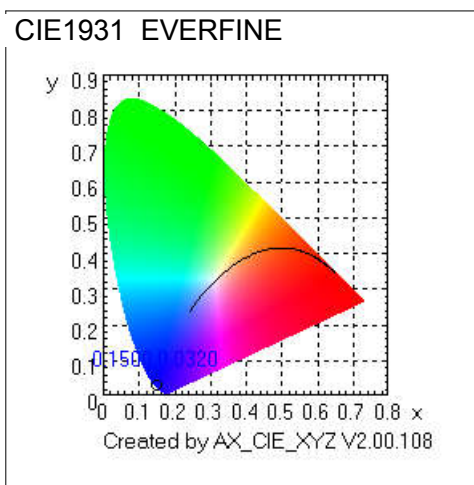
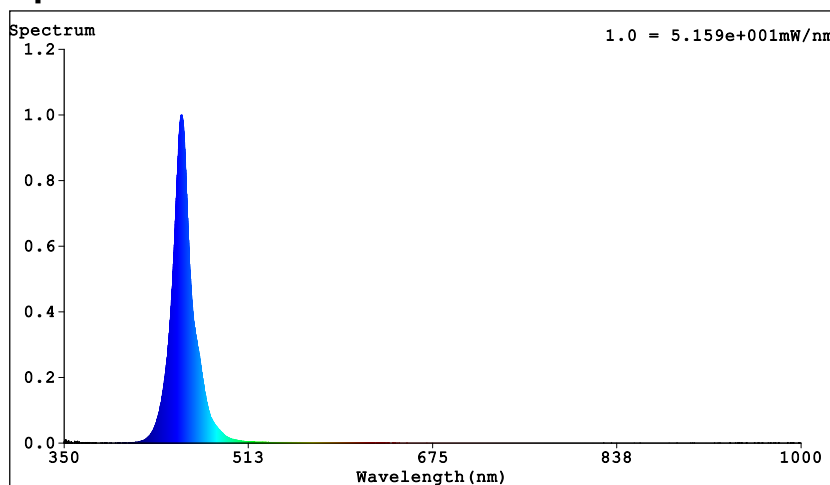
Spectrum Test Report

Sample	:		Date	:	2026-06-21
Specification	:	S010060CC3SB7 B	Sam. Status	:	1M
Sample No.	:	10104-1624-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	48907 (75%)
Test Mode	:	Fast Test	T	:	162 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1500$ $y = 0.0320$ / $u' = 0.1946$ $v' = 0.0933$ ($duv = -2.04e-01$)

CCT>=100000K Prcp WL: Ld=458.0nm Purity=98.3%

Peak WL: Lp=453nm FWHM: =15.7nm Ratio:R=0.8% G=12.0% B=87.1%

Render Index: Ra = 1.0 TM30:Rf=0 Rg=25

R1 =0	R2 =0	R3 =0	R4 =0	R5 =8	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=6

LEVEL:OUT

TLCI Parameters: TLCI = 0.8

Photometric & Radiometric Parameters

Flux = 46.471 lm Eff. : 11.74 lm/W Fe = 1.1011 W

EEL: 0.47845 B

EEC: 11.7 G

Electrical parameters

V = 24.00 V I = 0.1650 A P = 3.960 W PF = 1.000

Freq=0.00 Hz

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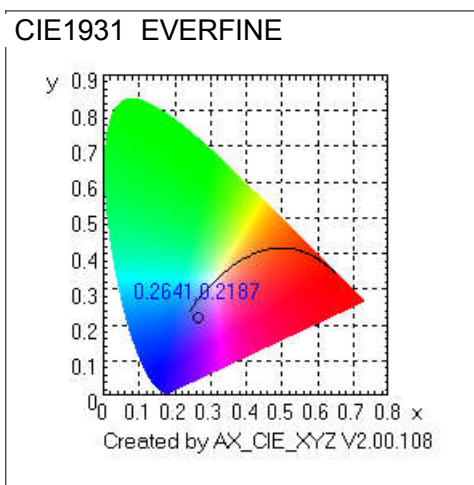
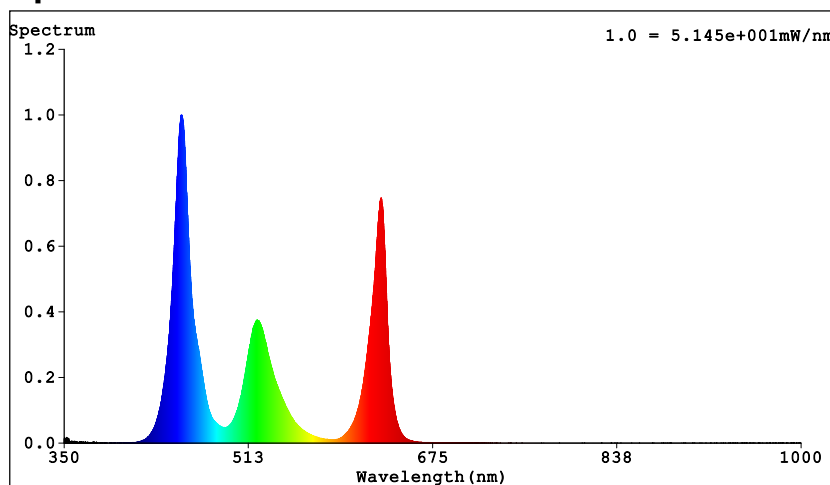
Spectrum Test Report

Sample	:		Date	:	2026-06-21
Specification	:	S010060CC3SB7 Mixed	Sam. Status	:	1M
Sample No.	:	10104-1624-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	48731 (74%)
Test Mode	:	Fast Test	T	:	162 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2641$ $y = 0.2187$ / $u' = 0.2073$ $v' = 0.3862$ ($duv = -2.80e-02$)

CCT>=100000K Prpc WL: Ld=457.4nm Purity=37.3%

Peak WL: Lp=454nm FWHM: =15.8nm Ratio:R=27.9% G=63.5% B=8.6%

Render Index: Ra = 31.0 TM30:Rf=50 Rg=136

R1 =0 R2 =58 R3 =53 R4 =0 R5 =24 R6 =58 R7 =56

R8 =0 R9 =0 R10=17 R11=0 R12=60 R13=9 R14=65 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 20.0

Photometric & Radiometric Parameters

Flux = 521.51 lm Eff. : 51.31 lm/W Fe = 2.4484 W

EEL: 0.22263 A

EEC: 51.3 G

Electrical parameters

V = 24.00 V I = 0.4235 A P = 10.16 W PF = 1.000

Freq=0.00 Hz

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