

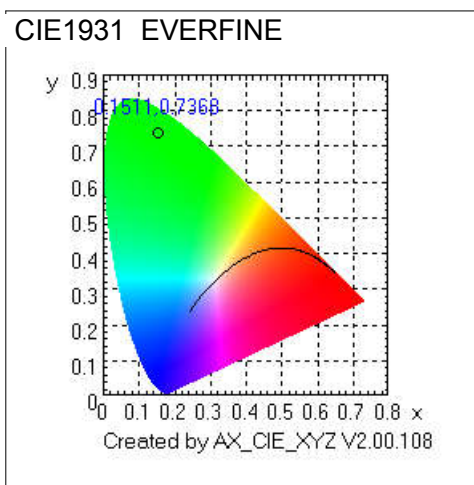
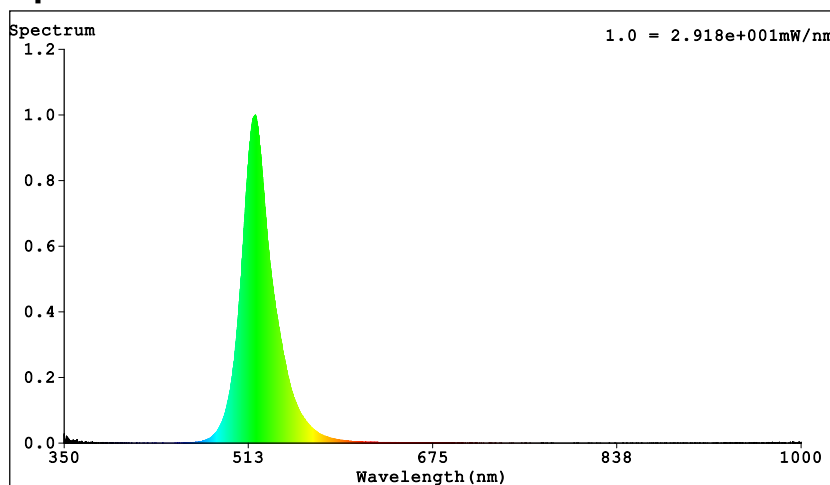
Spectrum Test Report

Sample	:		Date	:	2025-09-26
Specification	:	S012144CA3SA1 G	Sam. Status	:	1M
Sample No.	:	10104-0503-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	46768 (71%)
Test Mode	:	Fast Test	T	:	180 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1511$ $y = 0.7368$ / $u' = 0.0524$ $v' = 0.5746$ ($duv=1.64e-01$)

CCT= 8073K Prcp WL: Ld=524.5nm Purity=81.6%

Peak WL: Lp=519nm FWHM: =27.2nm Ratio:R=0.3% G=97.9% B=1.9%

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=33 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.5

Photometric & Radiometric Parameters

Flux = 462.82 lm Eff. : 50.53 lm/W Fe = 978.36 mW

EEI: 0.22014 A

EEC: 50.5 G

Electrical parameters

V = 5.000 V I = 1.832 A P = 9.160 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

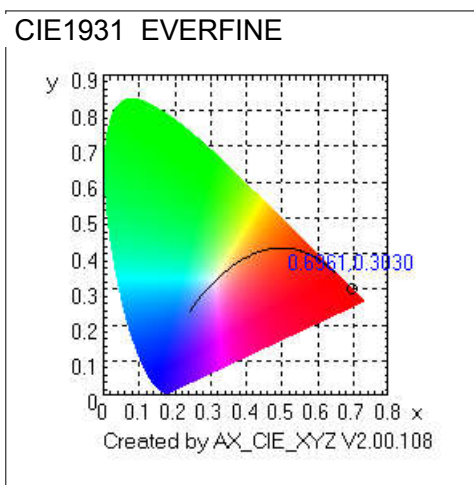
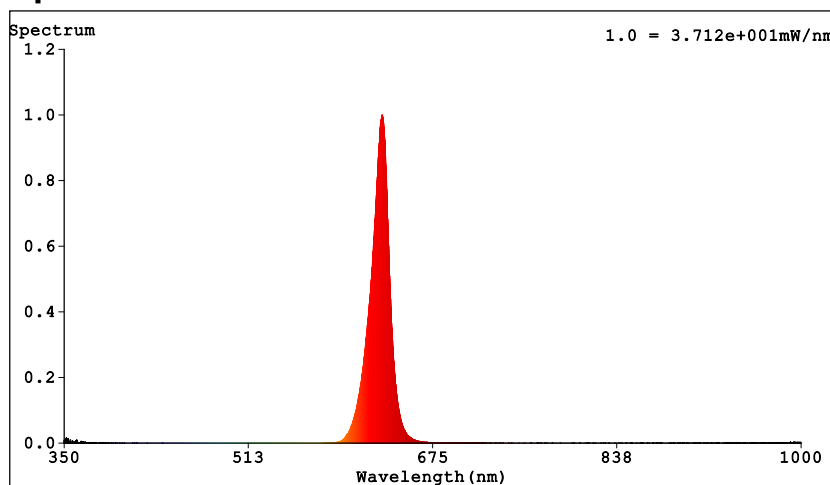
Spectrum Test Report

Sample	:		Date	:	2025-09-26
Specification	:	S012144CA3SA1 R	Sam. Status	:	1M
Sample No.	:	10104-0503-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	50096 (76%)
Test Mode	:	Fast Test	T	:	180 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6961$ $y = 0.3030$ / $u' = 0.5310$ $v' = 0.5201$ ($duv = -8.35e-02$)

CCT= 1001K Prcp WL: Ld=622.9nm Purity=99.8%

Peak WL: Lp=631nm FWHM: =16.3nm Ratio:R=98.6% G=1.4% B=0.0%

Render Index: Ra = 24.3 TM30:Rf=1 Rg=0

R1 =2 R2 =78 R3 =24 R4 =0 R5 =0 R6 =91 R7 =0

R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=28 R14=56 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.3

Photometric & Radiometric Parameters

Flux = 147.01 lm Eff. : 16.10 lm/W Fe = 732.73 mW

EEI: 0.51089 B

EEC: 16.1 G

Electrical parameters

V = 5.000 V I = 1.826 A P = 9.131 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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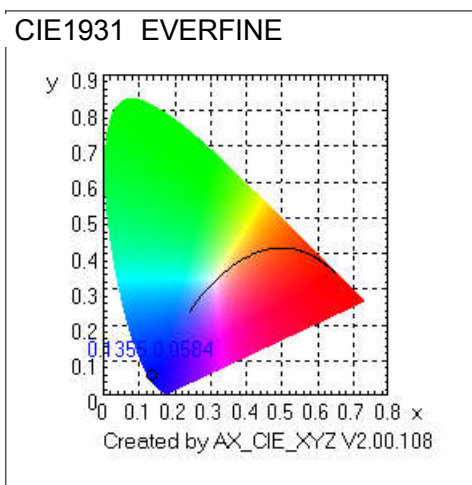
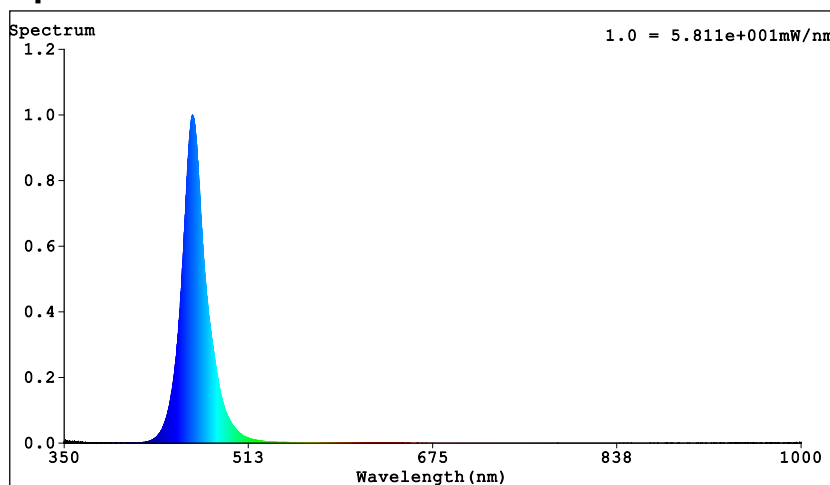
Spectrum Test Report

Sample	:		Date	:	2025-09-26
Specification	:	S012144CA3SA1 B	Sam. Status	:	1M
Sample No.	:	10104-0503-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	53566 (82%)
Test Mode	:	Fast Test	T	:	135 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1355$ $y = 0.0584$ / $u' = 0.1580$ $v' = 0.1532$ ($duv = -1.65e-01$)

CCT>=100000K Prcp WL: Ld=468.0nm Purity=96.9%

Peak WL: Lp=463nm FWHM: =20.6nm Ratio:R=0.5% G=15.0% B=84.5%

Render Index: Ra = 0.6 TM30:Rf=0 Rg=-105

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 = 99.702 lm Eff. : 10.97 lm/W Fe = 1.5033 W

EEI: 0.66499 C

EEC: 11.0 G

Electrical parameters

V = 5.000 V I = 1.818 A P = 9.092 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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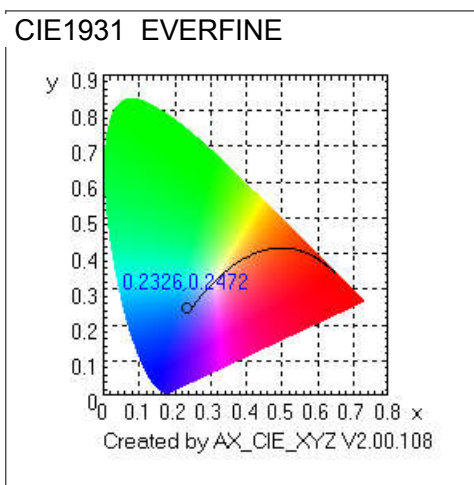
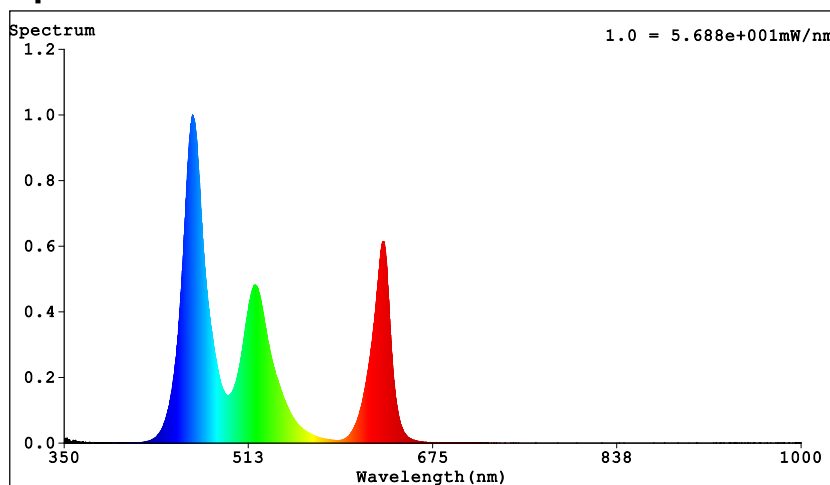
Spectrum Test Report

Sample	:		Date	:	2025-09-26
Specification	:	S012144CA3SA1 Mixed	Sam. Status	:	1M
Sample No.	:	10104-0503-00	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	:	135 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2326$ $y = 0.2472$ / $u' = 0.1691$ $v' = 0.4044$ ($duv=1.21e-02$)

CCT= 79440K Prpc WL: $L_d=479.6nm$ Purity=41.9%

Peak WL: $L_p=463nm$ FWHM: $=21.0nm$ Ratio:R=20.2% G=66.2% B=13.6%

Render Index: $R_a = 52.0$ TM30:Rf=50 Rg=110

R1 =39 R2 =61 R3 =71 R4 =60 R5 =61 R6 =61 R7 =57

R8 =6 R9 =0 R10=7 R11=51 R12=63 R13=40 R14=79 R15=18

LEVEL:OUT

TLCI Parameters: TLCI = 16.3

Photometric & Radiometric Parameters

Flux = 675.34 lm Eff. : 26.73 lm/W Fe = 3.0949 W

EEL: 0.45147 B

EEC: 26.7 G

Electrical parameters

V = 5.000 V I = 5.053 A P = 25.26 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S010060CA3SA1 G
Sample No. : 10104-1245-00
Manufacturer : iPixel LED

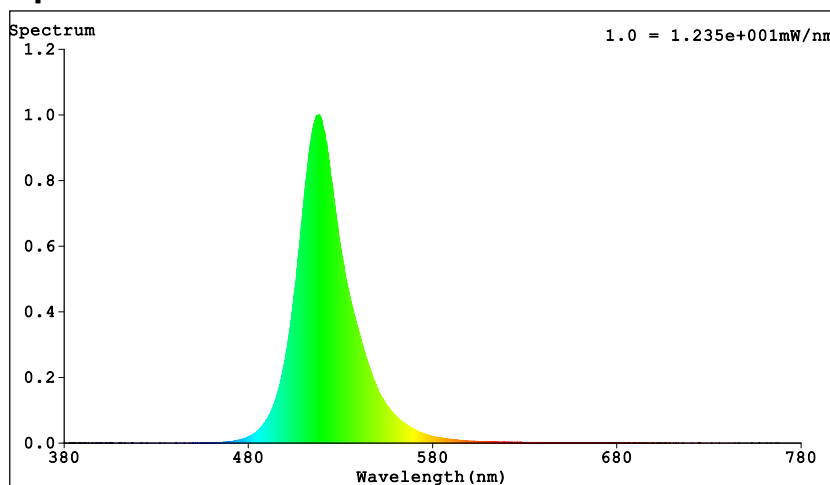
Date : 2026-05-10
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

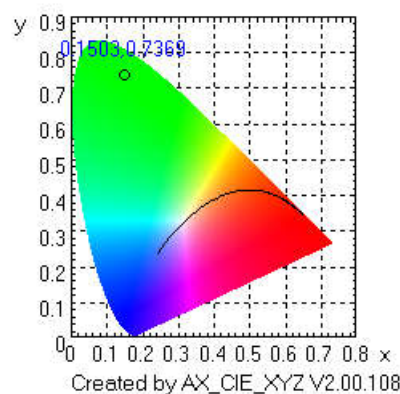
Temperature : 20.0 °C
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 53282 (81%)
T : 511 ms
Sensitivity : High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1503$ $y = 0.7369$ / $u' = 0.0521$ $v' = 0.5746$ ($duv=1.64e-01$)

CCT= 8086K Prcp WL: Ld=524.3nm Purity=81.5%

Peak WL: Lp=518nm FWHM: =27.1nm Ratio:R=0.3% G=97.8% B=1.9%

Render Index: Ra = 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=33 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.5

Photometric & Radiometric Parameters

Flux = 195.49 lm Eff. : 48.25 lm/W Fe = 412.24 mW

EEL: 0.18513 A

EEC: 48.3 G

Electrical parameters

V = 5.000 V I = 0.8102 A P = 4.051 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010060CA3SA1 R
Sample No. : 10104-1245-00
Manufacturer : iPixel LED

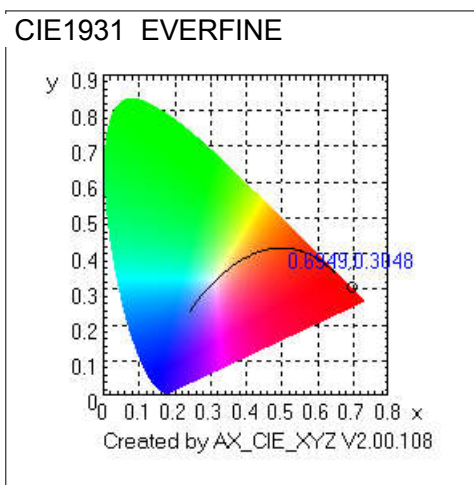
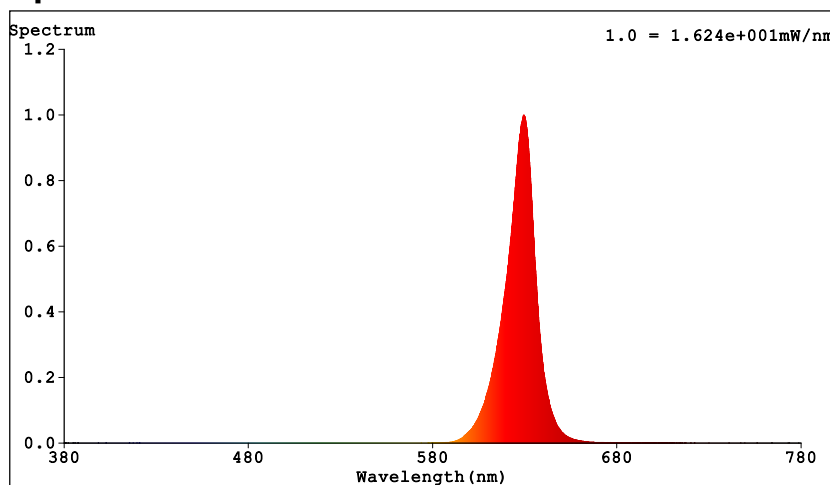
Date : 2026-05-10
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 52318 (80%)
T : 447 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6949$ $y = 0.3048$ / $u' = 0.5277$ $v' = 0.5207$ ($duv = -8.01e-02$)

CCT= 1001K Prcp WL: $L_d = 621.8nm$ Purity=100.0%

Peak WL: $L_p = 630nm$ FWHM: $= 16.1nm$ Ratio: R=98.2% G=1.8% 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 = 1.7

Photometric & Radiometric Parameters

Flux = 65.867 lm Eff. : 16.48 lm/W $Fe = 314.37 mW$

EEL: 0.38533 B

EEC: 16.5 G

Electrical parameters

V = 5.000 V I = 0.7991 A P = 3.996 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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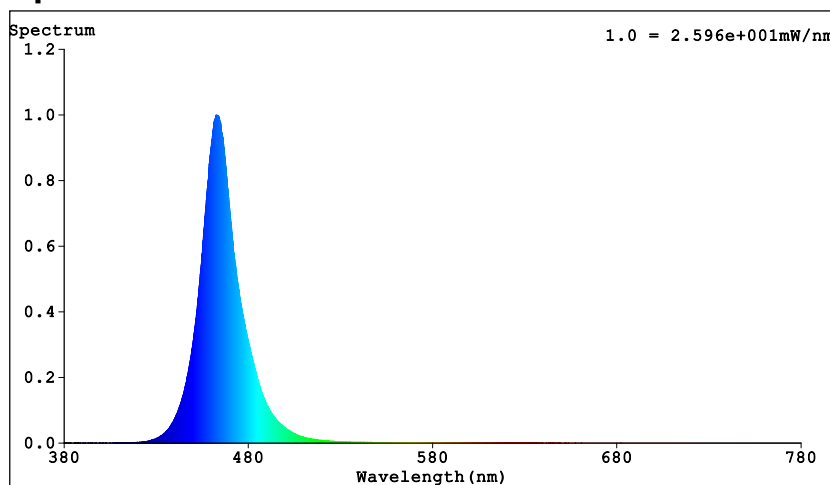
Spectrum Test Report

Sample	:		Date	:	2026-05-10
Specification	:	S010060CA3SA1 B	Sam. Status	:	1M
Sample No.	:	10104-1245-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

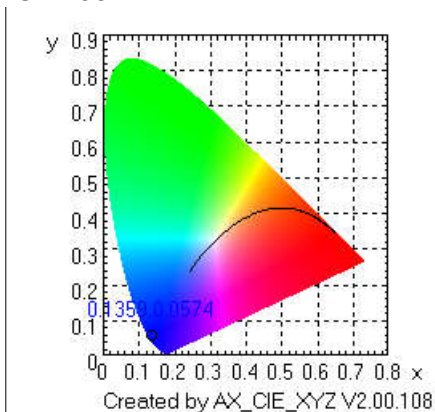
Test Condition

Temperature	:	20.0 °C	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52855 (81%)
Test Mode	:	Fast Test	T	:	316 ms
			Sensitivity	:	High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1359$ $y = 0.0574$ / $u' = 0.1591$ $v' = 0.1512$ ($duv = -1.67e-01$)

CCT>=100000K Prcp WL: Ld=467.8nm Purity=96.9%

Peak WL: Lp=463nm FWHM: =20.3nm Ratio:R=0.6% G=14.9% B=84.5%

Render Index: Ra = 0.6 TM30:Rf=0 Rg=-95

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 = 43.486 lm Eff. : 10.87 lm/W Fe = 659.91 mW

EEL: 0.50431 B

EEC: 10.9 G

Electrical parameters

V = 5.000 V I = 0.8002 A P = 4.001 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010060CA3SA1 Mixed
Sample No. : 10104-1245-00
Manufacturer : iPixel LED

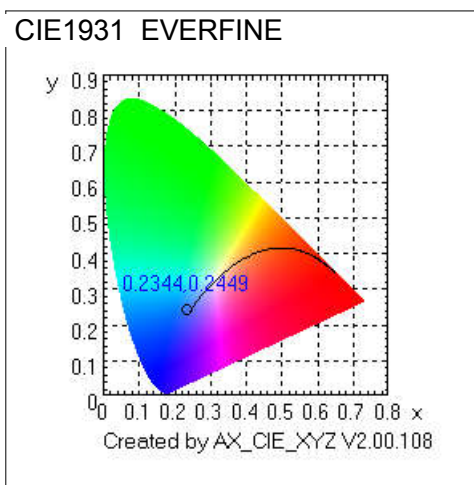
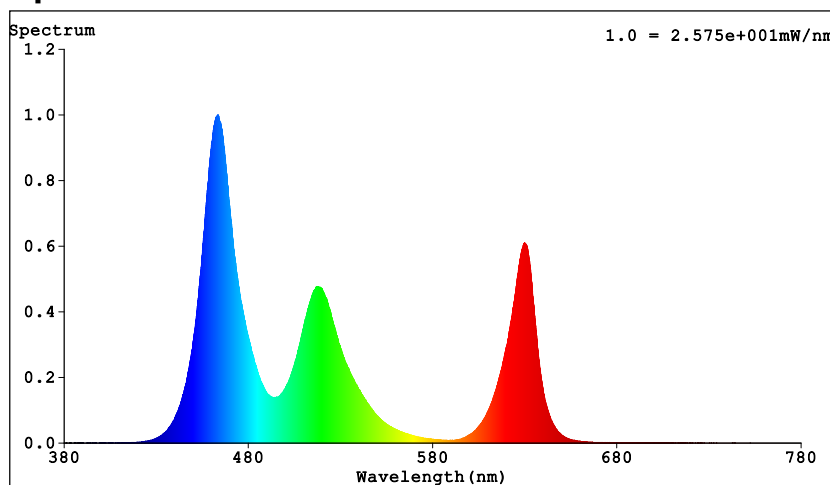
Date : 2026-05-10
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 52527 (80%)
T : 316 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2344$ $y = 0.2449$ / $u' = 0.1714$ $v' = 0.4029$ ($duv=9.57e-03$)

CCT= 89220K Prpc WL: $L_d=478.9nm$ Purity=41.6%

Peak WL: $L_p=464nm$ FWHM: $=20.5nm$ Ratio:R=21.0% G=65.5% B=13.5%

Render Index: $R_a = 50.0$ TM30:Rf=49 Rg=111

R1 =35 R2 =59 R3 =70 R4 =56 R5 =58 R6 =58 R7 =57

R8 =6 R9 =0 R10=2 R11=46 R12=62 R13=37 R14=79 R15=15

LEVEL:OUT

TLCI Parameters: TLCI = 16.9

Photometric & Radiometric Parameters

Flux = 299.40 lm Eff. : 27.58 lm/W $Fe = 1.3675 W$

EEL: 0.36313 B

EEC: 27.6 G

Electrical parameters

V = 5.000 V I = 2.171 A P = 10.86 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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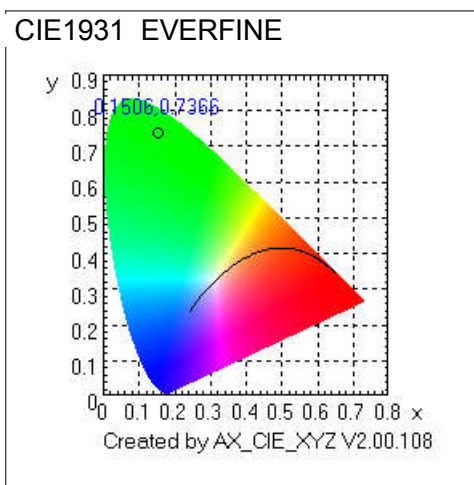
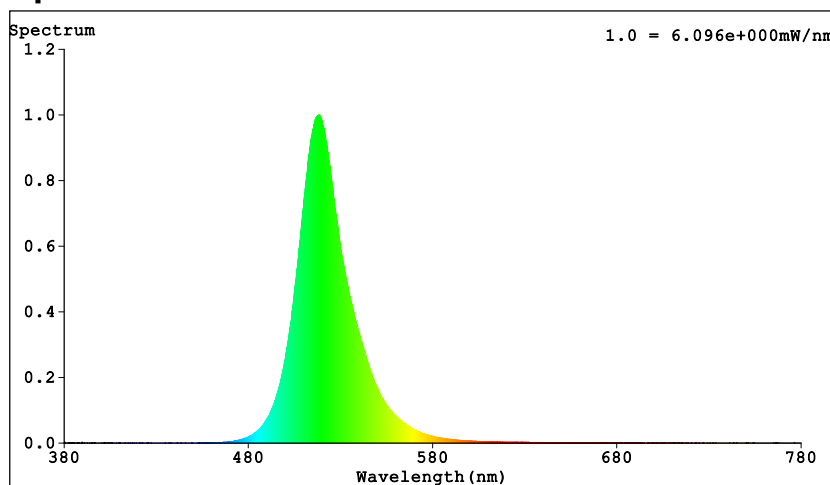
Spectrum Test Report

Sample	:		Date	:	2026-05-21
Specification	:	S010030CA3SA1 G	Sam. Status	:	1M
Sample No.	:	10104-0077-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	20.0 °C	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	53697 (82%)
Test Mode	:	Fast Test	T	:	1043 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1506$ $y = 0.7366$ / $u' = 0.0522$ $v' = 0.5746$ ($duv=1.64e-01$)

CCT= 8082K Prpc WL: Ld=524.4nm Purity=81.5%

Peak WL: Lp=519nm FWHM: =27.3nm Ratio:R=0.3% G=97.8% B=1.9%

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=33 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.5

Photometric & Radiometric Parameters

Flux = 96.760 lm Eff. : 44.09 lm/W Fe = 204.13 mW

EEL: 0.16381 A+

EEC: 44.1 G

Electrical parameters

V = 5.000 V I = 0.4389 A P = 2.195 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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Spectrum Test Report

Sample :
Specification : S010030CA3SA1 R
Sample No. : 10104-0077-00
Manufacturer : iPixel LED

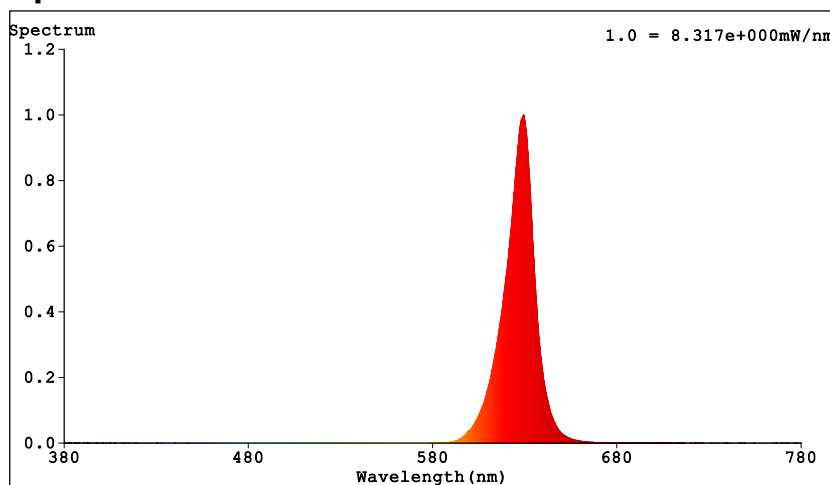
Date : 2026-05-21
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

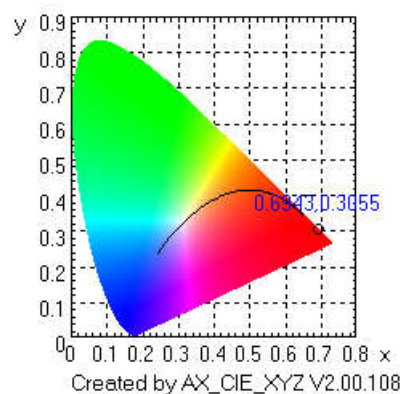
Temperature : 20.0 °C
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 52374 (80%)
T : 874 ms
Sensitivity : High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6943$ $y = 0.3055$ / $u' = 0.5263$ $v' = 0.5210$ ($duv = -7.87e-02$)

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

Peak WL: Lp=630nm FWHM: =15.9nm Ratio:R=98.1% G=1.9% B=0.0%

Render Index: Ra = 23.9 TM30:Rf=1 Rg=0

R1 =1 R2 =77 R3 =24 R4 =0 R5 =0 R6 =89 R7 =0

R8 =0 R9 =0 R10=70 R11=0 R12=79 R13=26 R14=56 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.8

Photometric & Radiometric Parameters

Flux = 33.859 lm Eff. : 15.21 lm/W Fe = 159.22 mW

EEL: 0.32827 B

EEC: 15.2 G

Electrical parameters

V = 5.000 V I = 0.4451 A P = 2.226 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

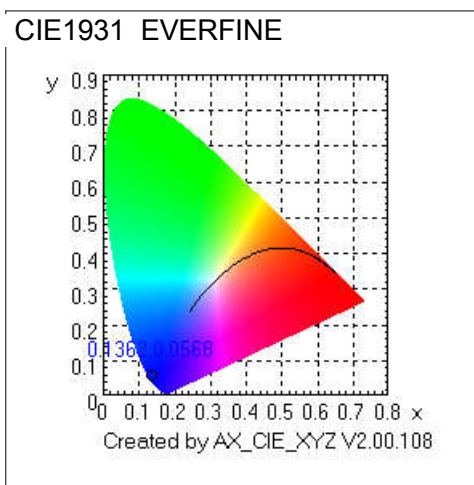
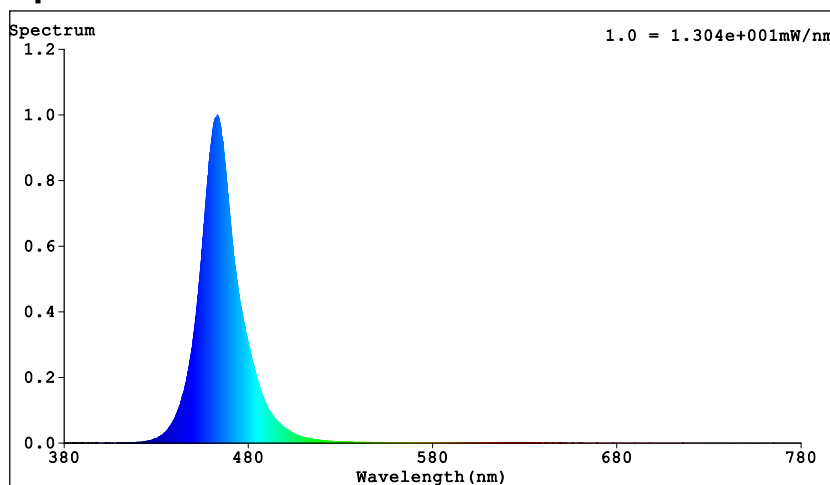
Spectrum Test Report

Sample	:		Date	:	2026-05-21
Specification	:	S010030CA3SA1 B	Sam. Status	:	1M
Sample No.	:	10104-0077-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	20.0 °C	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52655 (80%)
Test Mode	:	Fast Test	T	:	626 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1362$ $y = 0.0568$ / $u' = 0.1599$ $v' = 0.1500$ ($duv = -1.67e-01$)

CCT>=100000K Prcp WL: Ld=467.6nm Purity=96.9%

Peak WL: Lp=463nm FWHM: =20.2nm Ratio:R=0.6% G=14.8% B=84.6%

Render Index: Ra = 0.6 TM30:Rf=0 Rg=-101

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=2

LEVEL:OUT

TLCI Parameters: TLCI = 0.9

Photometric & Radiometric Parameters

Flux = 21.564 lm Eff. : 9.96 lm/W Fe = 329.53 mW

EEL: 0.42107 B

EEC: 10.0 G

Electrical parameters

V = 5.000 V I = 0.4331 A P = 2.166 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010030CA3SA1 Mixed
Sample No. : 10104-0077-00
Manufacturer : iPixel LED

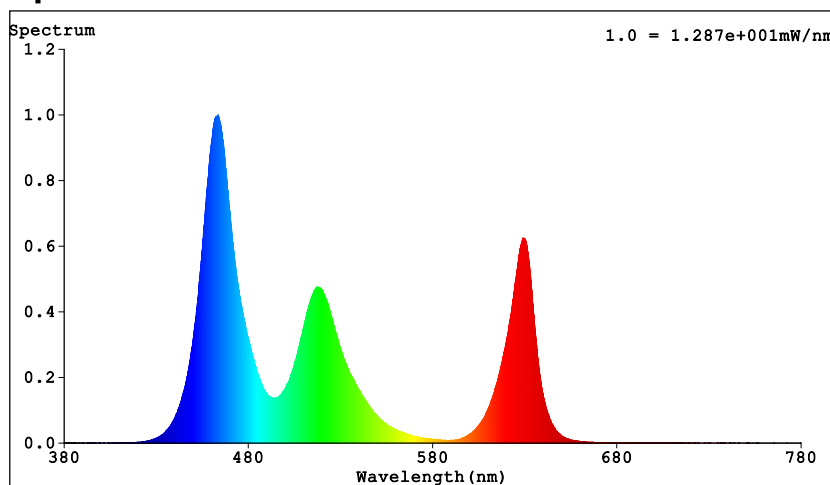
Date : 2026-05-21
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

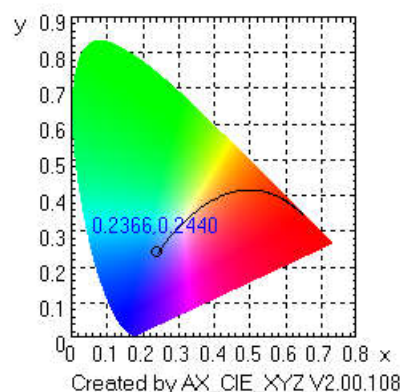
Temperature : 20.0 °C
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 52030 (79%)
T : 626 ms
Sensitivity : High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2366$ $y = 0.2440$ / $u' = 0.1735$ $v' = 0.4026$ ($duv=7.55e-03$)

CCT= 82220K Prcp WL: $L_d=478.4nm$ Purity=41.1%

Peak WL: $L_p=464nm$ FWHM: $=20.4nm$ Ratio:R=21.6% G=65.1% B=13.4%

Render Index: $R_a = 48.3$ TM30:Rf=49 Rg=111

R1 =32 R2 =58 R3 =70 R4 =53 R5 =55 R6 =57 R7 =57

R8 =4 R9 =0 R10=0 R11=42 R12=61 R13=34 R14=78 R15=13

LEVEL:OUT

TLCI Parameters: TLCI = 17.1

Photometric & Radiometric Parameters

Flux = 149.99 lm Eff. : 26.64 lm/W Fe = 684.64 mW

EEL: 0.31057 B

EEC: 26.6 G

Electrical parameters

V = 5.000 V I = 1.126 A P = 5.630 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>