

Spectrum Test Report

Sample :
Specification : S008144IB3SA1 G
Sample No. : 10104-1097-00
Manufacturer : iPixel LED

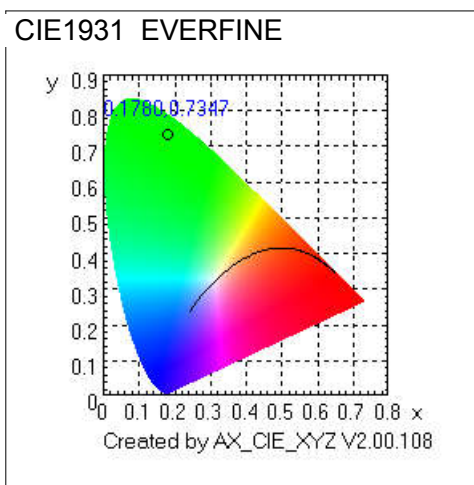
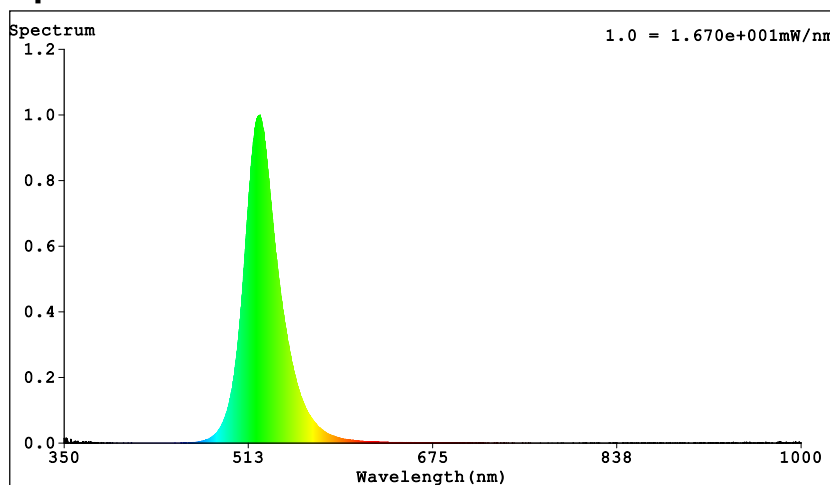
Date : 2024-07-05
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 48675 (74%)
T : 276 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1780$ $y = 0.7347$ / $u' = 0.0621$ $v' = 0.5770$ ($duv=1.56e-01$)

CCT= 7645K Prcp WL: Ld=529.3nm Purity=84.4%

Peak WL: Lp=523nm FWHM: =31.2nm Ratio:R=0.3% G=98.3% B=1.3%

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=36 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.8

Photometric & Radiometric Parameters

Flux = 313.95 lm Eff. : 19.77 lm/W Fe = 622.76 mW

EEI: 0.51275 B

EEC: 19.8 G

Electrical parameters

V = 12.00 V I = 1.324 A P = 15.88 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

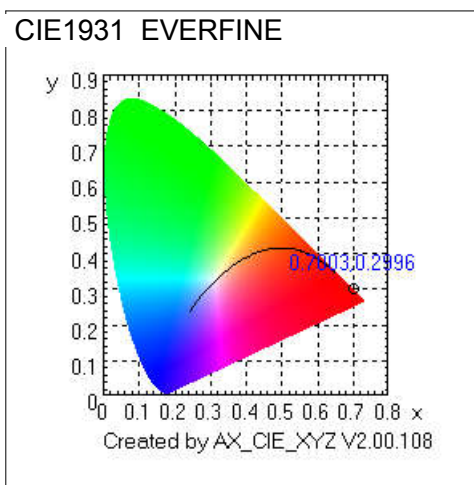
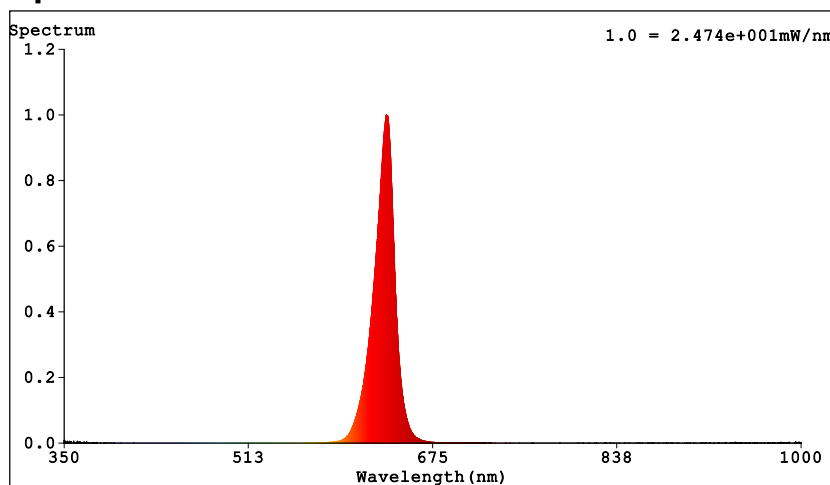
Spectrum Test Report

Sample	:		Date	:	2024-07-05
Specification	:	S008144IB3SA1 R	Sam. Status	:	1M
Sample No.	:	10104-1097-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LEIXIAOLAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49295 (75%)
Test Mode	:	Accuracy Test	T	:	236 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.7003$ $y = 0.2996$ / $u' = 0.5393$ $v' = 0.5191$ ($duv = -9.18e-02$)

CCT= 1001K Prcp WL: $L_d = 624.8nm$ Purity=100.0%

Peak WL: $L_p = 634nm$ FWHM: $= 18.3nm$ Ratio: $R = 98.2\%$ $G = 1.8\%$ $B = -0.0\%$

Render Index: $R_a = 24.6$ TM30: $R_f = 1$ $R_g = 0$

$R_1 = 2$ $R_2 = 77$ $R_3 = 28$ $R_4 = 0$ $R_5 = 0$ $R_6 = 88$ $R_7 = 1$

$R_8 = 0$ $R_9 = 0$ $R_{10} = 70$ $R_{11} = 0$ $R_{12} = 80$ $R_{13} = 27$ $R_{14} = 58$ $R_{15} = 0$

LEVEL:OUT

TLCI Parameters: TLCI = 3.0

Photometric & Radiometric Parameters

Flux = 95.687 lm Eff. : 5.95 lm/W $\Phi_e = 535.98 mW$

EEL: 1.20921 E Lowest

EEC: 6.0 G

Electrical parameters

$V = 12.00 V$ $I = 1.340 A$ $P = 16.08 W$ PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>

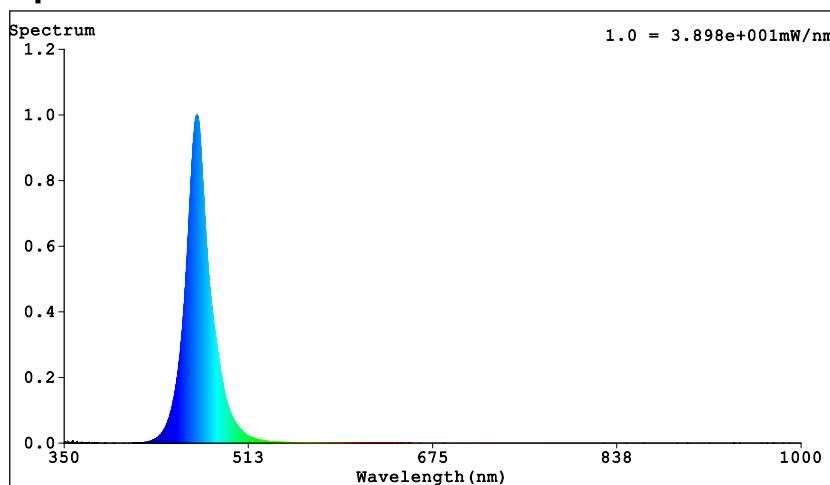
Spectrum Test Report

Sample	:		Date	:	2024-07-05
Specification	:	S008144IB3SA1 B	Sam. Status	:	1M
Sample No.	:	10104-1097-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	LEIXIAOLAN

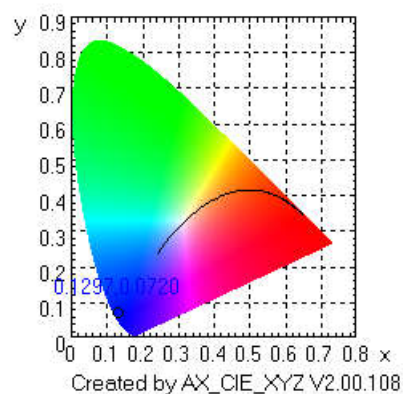
Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49513 (76%)
Test Mode	:	Accuracy Test	T	:	160 ms
			Sensitivity	:	High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1297$ $y = 0.0720$ / $u' = 0.1440$ $v' = 0.1798$ ($duv = -1.51e-01$)

CCT>=100000K Prpc WL: Ld=470.9nm Purity=96.3%

Peak WL: Lp=467nm FWHM: =20.5nm Ratio:R=0.5% G=17.2% B=82.3%

Render Index: Ra = 0.6 TM30:Rf=0 Rg=-66

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=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.0

Photometric & Radiometric Parameters

Flux = 77.735 lm Eff. : 4.95 lm/W Fe = 1.0164 W

EEL: 1.35853 E Lowest

EEC: 4.9 G

Electrical parameters

V = 12.00 V I = 1.310 A P = 15.72 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S008144IB3SA1 Mixed
Sample No. : 10104-1097-00
Manufacturer : iPixel LED

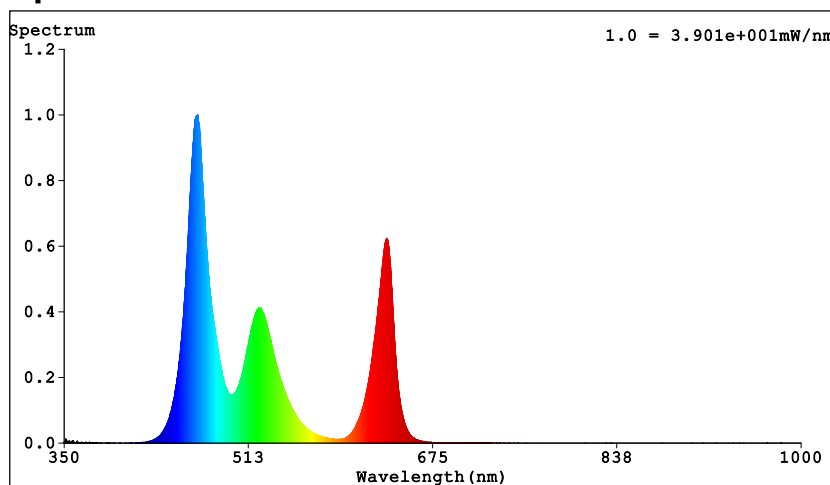
Date : 2024-07-05
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

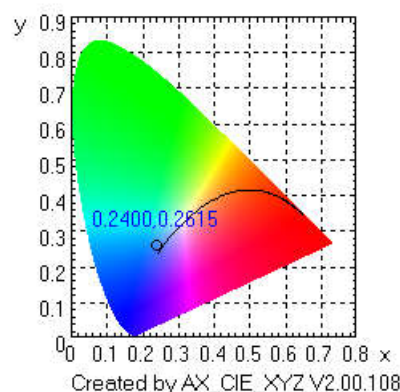
Temperature : 25.3 °C
WL Range : 350nm-1000nm
Test Mode : Accuracy Test

RH : 65.0%
IP : 49478 (75%)
T : 160 ms
Sensitivity : High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2400$ $y = 0.2615$ / $u' = 0.1697$ $v' = 0.4160$ ($duv=1.36e-02$)

CCT= 26640K Prpc WL: Ld=481.0nm Purity=37.9%

Peak WL: Lp=468nm FWHM: =20.5nm Ratio:R=19.7% G=66.0% B=14.4%

Render Index: Ra = 52.0 TM30:Rf=50 Rg=107

R1 =42 R2 =59 R3 =74 R4 =61 R5 =63 R6 =61 R7 =54

R8 =2 R9 =0 R10=10 R11=66 R12=62 R13=41 R14=82 R15=17

LEVEL:OUT

TLCI Parameters: TLCI = 15.5

Photometric & Radiometric Parameters

Flux = 471.08 lm Eff. : 30.26 lm/W Fe = 2.1207 W

EEL: 0.36910 B

EEC: 30.3 G

Electrical parameters

V = 12.00 V I = 1.298 A P = 15.57 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S008090IA3SA1 G
Sample No. : 10104-0117-00
Manufacturer : iPixel LED

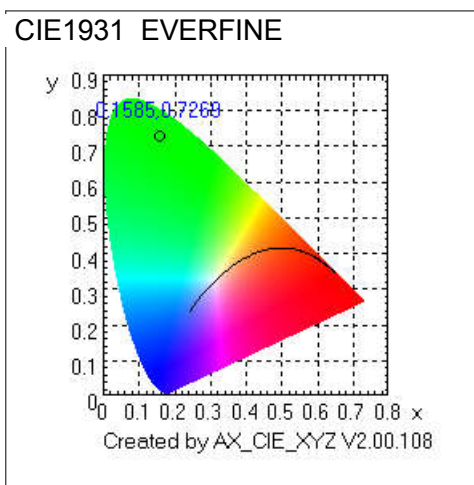
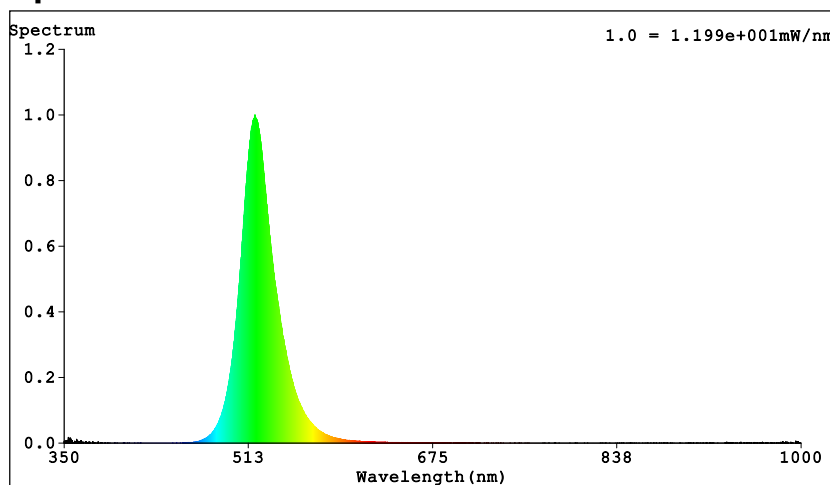
Date : 2025-02-26
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 49385 (75%)
T : 408 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1585$ $y = 0.7269$ / $u' = 0.0556$ $v' = 0.5736$ ($duv=1.61e-01$)

CCT= 8003K Prcp WL: Ld=525.0nm Purity=79.9%

Peak WL: Lp=518nm FWHM: =31.0nm Ratio:R=0.3% G=97.4% B=2.3%

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=37 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.9

Photometric & Radiometric Parameters

Flux = 209.98 lm Eff. : 32.23 lm/W Fe = 444.33 mW

EEI: 0.28275 B

EEC: 32.2 G

Electrical parameters

V = 4.999 V I = 1.303 A P = 6.515 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S008090IA3SA1 R
Sample No. : 10104-0117-00
Manufacturer : iPixel LED

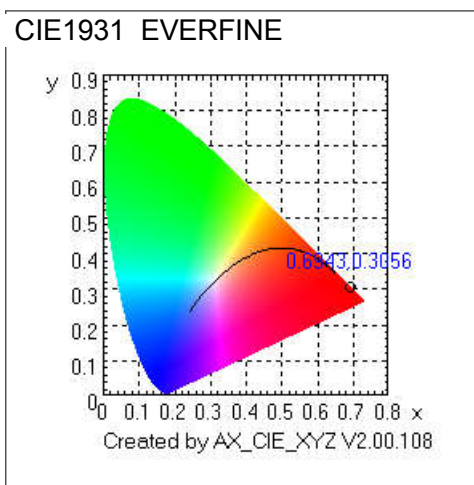
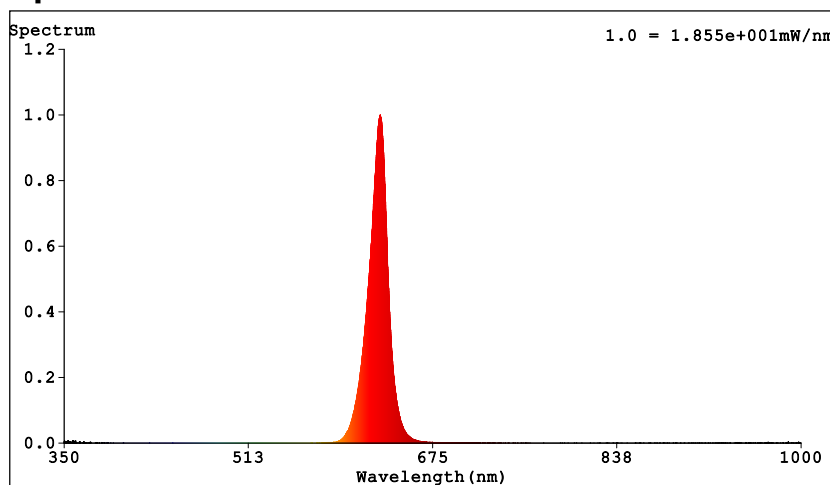
Date : 2025-02-26
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 48804 (74%)
T : 317 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6943$ $y = 0.3056$ / $u' = 0.5261$ $v' = 0.5211$ ($duv = -7.85e-02$)

CCT= 1001K Prcp WL: $L_d = 621.4nm$ Purity=100.0%

Peak WL: $L_p = 629nm$ FWHM: $= 17.1nm$ Ratio: R=98.2% G=1.8% B=0.0%

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

R1 = 0 R2 = 77 R3 = 25 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 = 1.5

Photometric & Radiometric Parameters

Flux = 79.788 lm Eff. : 12.40 lm/W $Fe = 377.60 mW$

EEL: 0.54657 B

EEC: 12.4 G

Electrical parameters

V = 4.999 V I = 1.287 A P = 6.433 W PF = 1.000

Freq=0.00 Hz

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<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S008090IA3SA1 B
Sample No. : 10104-0117-00
Manufacturer : iPixel LED

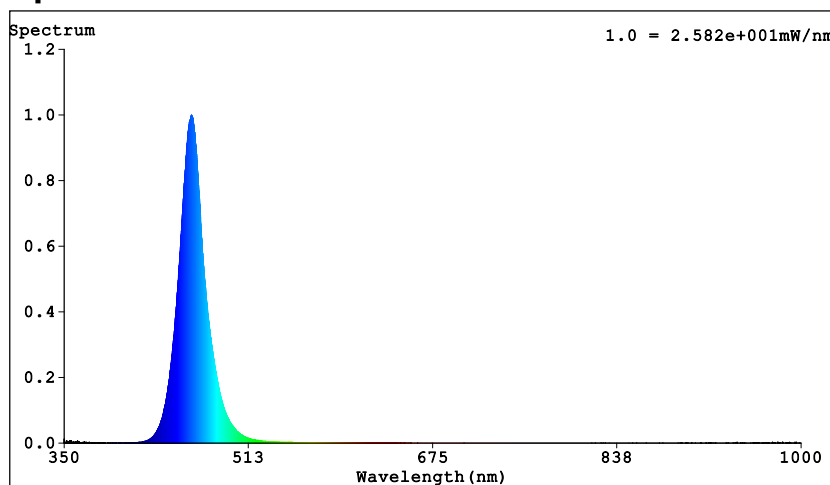
Date : 2025-02-26
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

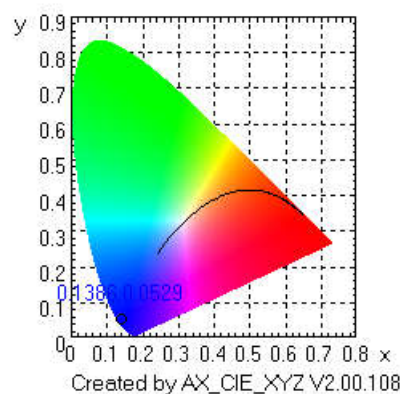
Temperature : 25.3 °C
WL Range : 350nm-1000nm
Test Mode : Accuracy Test

RH : 65.0%
IP : 50552 (77%)
T : 256 ms
Sensitivity : High

Spectrum



CIE1931 EVERFINE



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1386$ $y = 0.0529$ / $u' = 0.1652$ $v' = 0.1417$ ($duv = -1.72e-01$)

CCT>=100000K Prcp WL: Ld=466.4nm Purity=97.0%

Peak WL: Lp=462nm FWHM: =23.4nm Ratio:R=0.6% G=14.9% B=84.5%

Render Index: Ra = 0.5 TM30:Rf=0 Rg=82

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=2

LEVEL:OUT

TLCI Parameters: TLCI = 0.9

Photometric & Radiometric Parameters

Flux = 45.148 lm Eff. : 7.01 lm/W Fe = 729.37 mW

EEL: 0.79295 C

EEC: 7.0 G

Electrical parameters

V = 4.999 V I = 1.289 A P = 6.443 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S008090IA3SA1 Mixed
Sample No. : 10104-0117-00
Manufacturer : iPixel LED

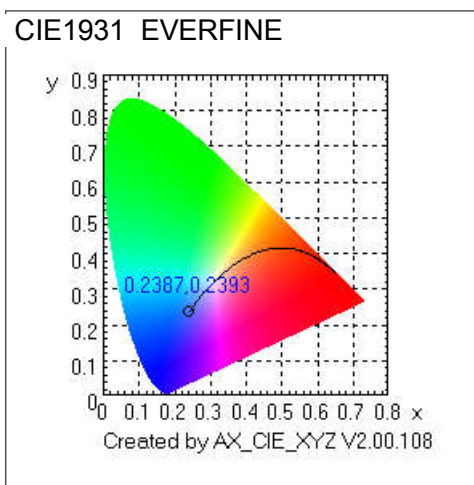
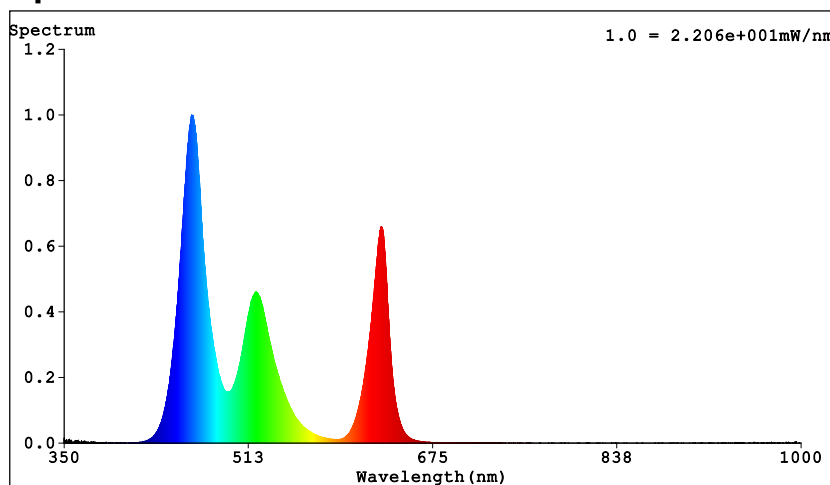
Date : 2025-02-26
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 43512 (66%)
T : 256 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2387$ $y = 0.2393$ / $u' = 0.1770$ $v' = 0.3993$ ($duv=3.69e-03$)

CCT>=100000K Prcp WL: Ld=477.1nm Purity=41.0%

Peak WL: Lp=463nm FWHM: =23.5nm Ratio:R=21.6% G=65.1% B=13.3%

Render Index: Ra = 49.4 TM30:Rf=51 Rg=114

R1 =32 R2 =59 R3 =75 R4 =52 R5 =55 R6 =60 R7 =59

R8 =3 R9 =0 R10=6 R11=42 R12=62 R13=35 R14=81 R15=11

LEVEL:OUT

TLCI Parameters: TLCI = 18.3

Photometric & Radiometric Parameters

Flux = 280.57 lm Eff. : 18.67 lm/W Fe = 1.2958 W

EEL: 0.52759 B

EEC: 18.7 G

Electrical parameters

V = 4.999 V I = 3.006 A P = 15.03 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>