

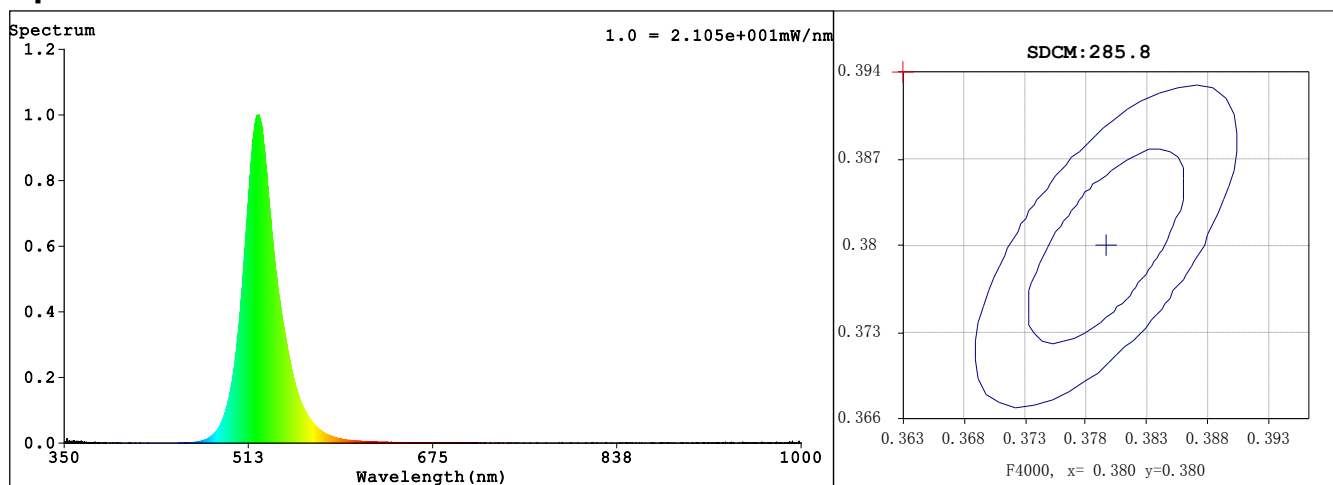
Spectrum Test Report

Sample	:		Date	:	2024-11-05
Specification	:	S020120CC4DC0 G	Sam. Status	:	1M
Sample No.	:	10105-0772-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	WANGHUALAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	50090 (76%)
Test Mode	:	Accuracy Test	T	:	232 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1707$ $y = 0.7337$ / $u' = 0.0596$ $v' = 0.5760$ ($duv=1.58e-01$)

CCT= 7768K Prpc WL: Ld=527.8nm Purity=83.0%

Peak WL: Lp=522nm FWHM: =29.9nm Ratio:R=0.3% G=98.0% B=1.6%

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 = 2.9

Photometric & Radiometric Parameters

Flux = 379.40 lm Eff. : 53.21 lm/W Fe = 766.71 mW

EEL: 0.19954 A

EEC: 53.2 G

Electrical parameters

V = 24.00 V I = 0.2971 A P = 7.130 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S020120CC4DC0 B
Sample No. : 10105-0772-00
Manufacturer : iPixel LED

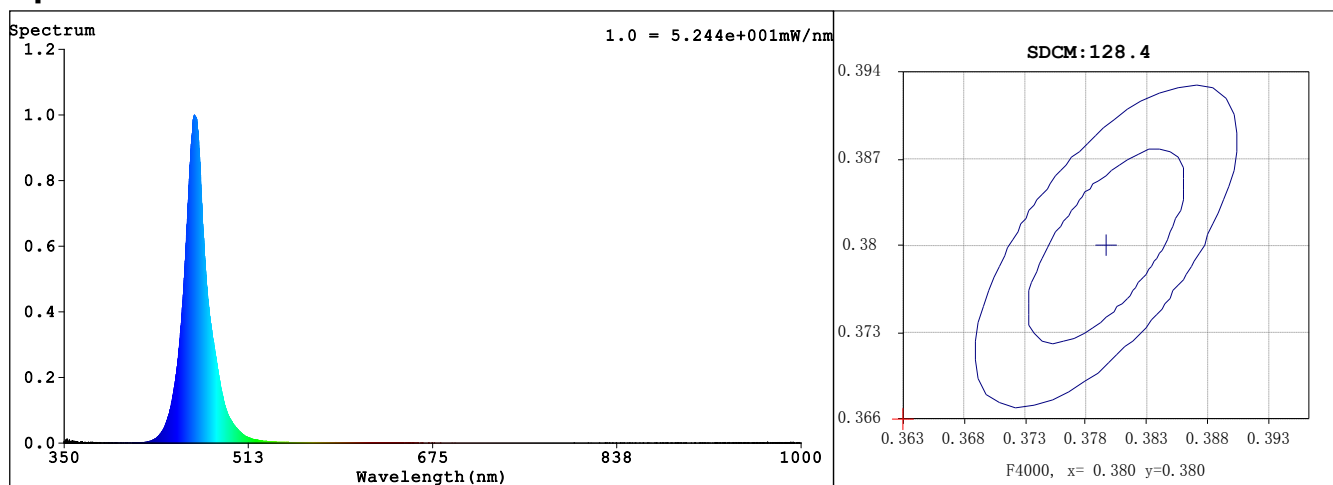
Date : 2024-11-05
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH : 65.0%
IP : 47101 (72%)
T : 116 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1333$ $y = 0.0640$ / $u' = 0.1523$ $v' = 0.1645$ ($duv = -1.59e-01$)

CCT>=100000K Prcp WL: Ld=469.2nm Purity=96.5%

Peak WL: Lp=465nm FWHM: =19.3nm Ratio:R=0.7% G=15.9% B=83.4%

Render Index: Ra = 0.8 TM30:Rf=0 Rg=-95

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 = 93.130 lm Eff. : 13.39 lm/W Fe = 1.3220 W

EEL: 0.53269 B

EEC: 13.4 G

Electrical parameters

V = 24.00 V I = 0.2898 A P = 6.955 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S020120CC4DC0 3000±300K
Sample No. : 10105-0772-00
Manufacturer : iPixel LED

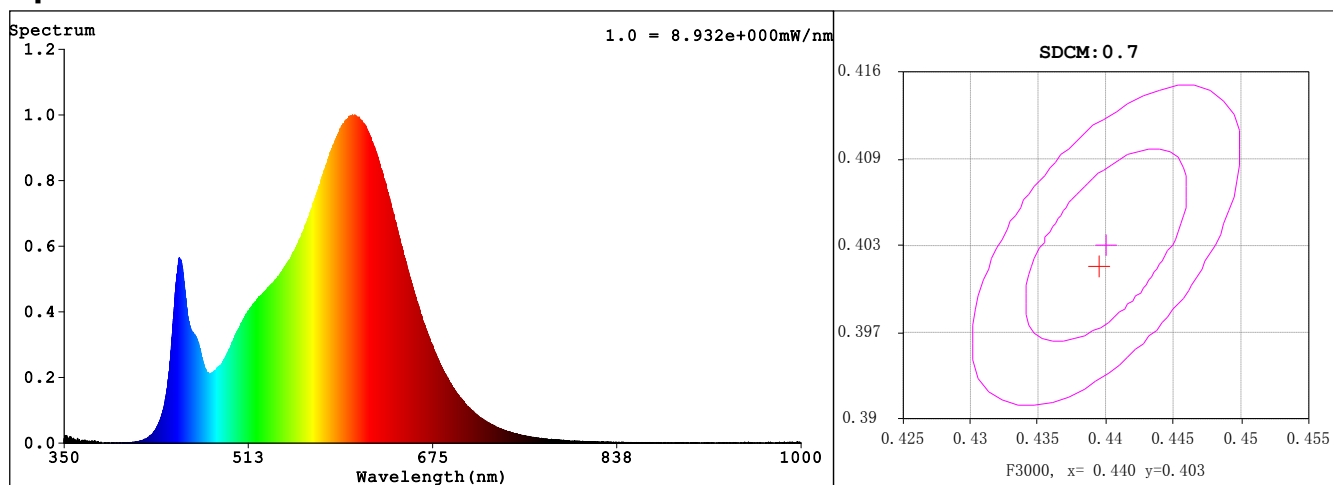
Date : 2024-11-05
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH : 65.0%
IP : 50686 (77%)
T : 611 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4395$ $y = 0.4015$ / $u' = 0.2534$ $v' = 0.5207$ ($duv = -1.38e-03$)

CCT= 2936K Prpc WL: $L_d = 583.6nm$ Purity=52.4%

Peak WL: $L_p = 605nm$ FWHM: =118.4nm Ratio:R=23.7% G=73.5% B=2.8%

Render Index: $R_a = 83.6$ TM30:Rf=84 Rg=96

R1 =83 R2 =94 R3 =94 R4 =81 R5 =84 R6 =93 R7 =81

R8 =59 R9 =10 R10=86 R11=82 R12=76 R13=86 R14=97 R15=75

LEVEL:OUT

TLCI Parameters: TLCI = 69.9

Photometric & Radiometric Parameters

Flux = 421.10 lm Eff. : 60.07 lm/W $Fe = 1.2869 W$

EEL: 0.18117 A

EEC: 60.1 G

Electrical parameters

V = 24.00 V I = 0.2921 A P = 7.010 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S020120CC4DC0 R
Sample No. : 10105-0772-00
Manufacturer : iPixel LED

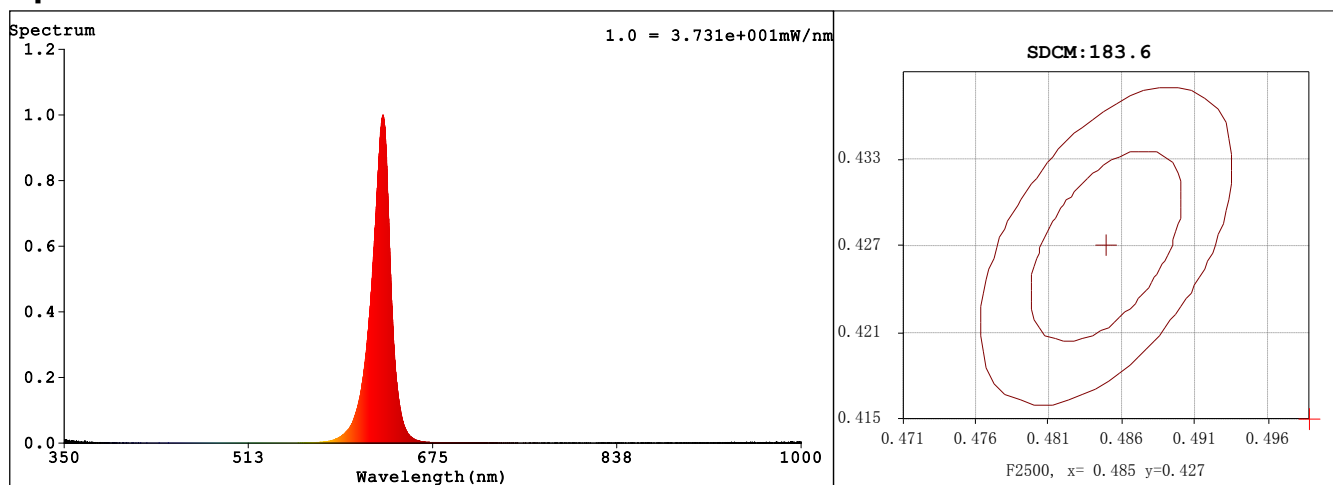
Date : 2024-11-05
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH	: 65.0%
IP	: 46967 (72%)
T	: 152 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6948$ $y = 0.3044$ / $u' = 0.5281$ $v' = 0.5205$ ($duv = -8.05e-02$)

CCT= 1001K Prcp WL: Ld=622.1nm Purity=99.8%

Peak WL: Lp=631nm FWHM: =16.5nm Ratio:R=96.0% G=4.0% B=0.0%

Render Index: Ra = 26.4 TM30:Rf=1 Rg=26076563198726107000000000000000

R1 =7 R2 =78 R3 =31 R4 =0 R5 =1 R6 =89 R7 =6

R8 = 0 R9 = 0 R10 = 72 R11 = 0 R12 = 79 R13 = 30 R14 = 60 R15 = 0

LEVEL:OUT

TLCI Parameters: TLCI = 2.9

Photometric & Radiometric Parameters

Flux = 149.23 lm Eff. : 21.30 lm/W Fe = 753.67 mW

EEI: 0.38795 B

EEC: 21.3 G

Electrical parameters

 $V = 24.00 \text{ V} \quad I = 0.2920 \text{ A} \quad P = 7.007 \text{ W} \quad PF = 1.000$

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S020120CC4DC0 Mixed
Sample No. : 10105-0772-00
Manufacturer : iPixel LED

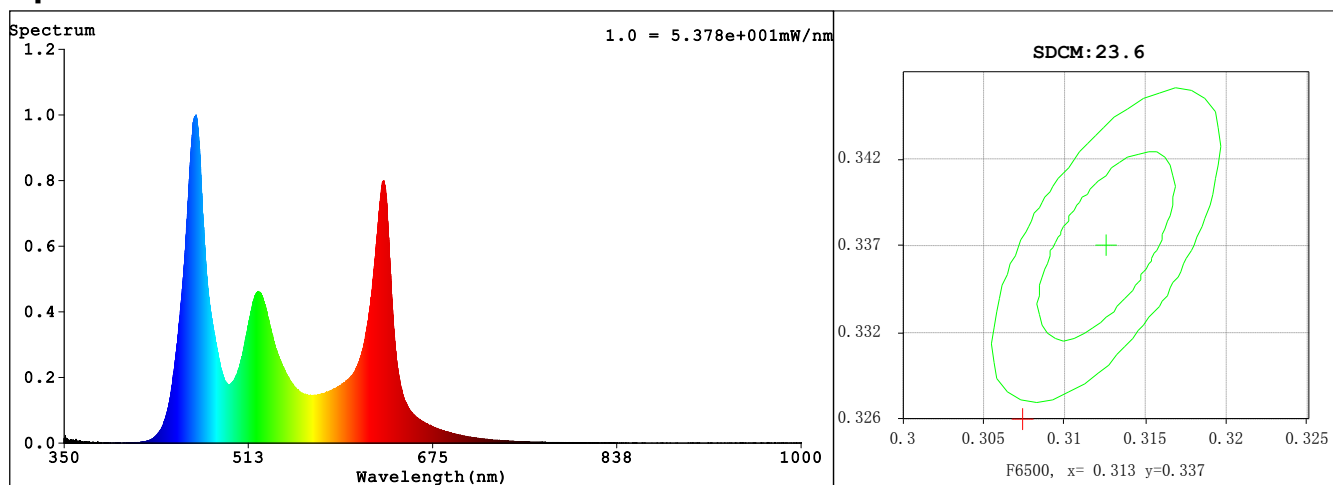
Date : 2024-11-05
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH : 65.0%
IP : 49313 (75%)
T : 119 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3078$ $y = 0.2977$ / $u' = 0.2067$ $v' = 0.4498$ ($duv = -1.11e-02$)

CCT= 7181K Prpc WL: $L_d = 467.8\text{nm}$ Purity=12.5%

Peak WL: $L_p = 466\text{nm}$ FWHM: $=21.1\text{nm}$ Ratio: R=23.2% G=67.6% B=9.3%

Render Index: $R_a = 56.6$ TM30: $R_f = 68$ $R_g = 111$

R1 =40 R2 =63 R3 =87 R4 =54 R5 =51 R6 =56 R7 =72

R8 =28 R9 =0 R10=23 R11=45 R12=51 R13=43 R14=89 R15=31

LEVEL:OUT

TLCI Parameters: TLCI = 50.8

Photometric & Radiometric Parameters

Flux = 1022.3 lm Eff. : 51.16 lm/W $F_e = 4.0371\text{ W}$

EEL: 0.25545 B

EEC: 51.2 G

Electrical parameters

V = 24.00 V I = 0.8327 A P = 19.98 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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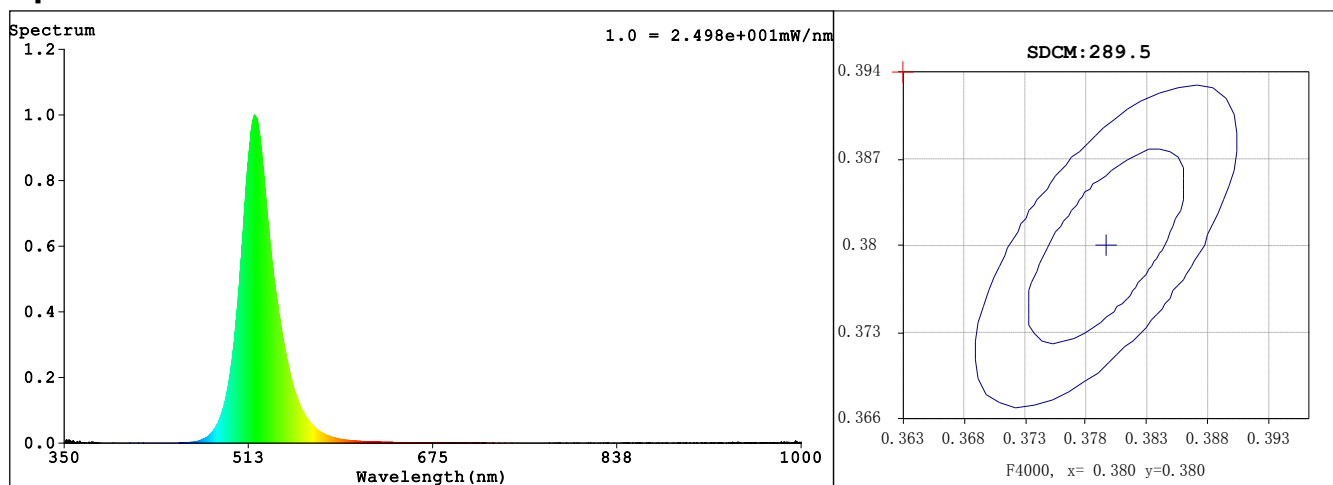
Spectrum Test Report

Sample	:		Date	:	2024-11-27
Specification	:	S012084CC4DC0 G	Sam. Status	:	1M
Sample No.	:	10105-0780-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	WANGHUALAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	50392 (77%)
Test Mode	:	Accuracy Test	T	:	199 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1574$ $y = 0.7260$ / $u' = 0.0552$ $v' = 0.5733$ ($duv=1.61e-01$)

CCT= 8025K Prpc WL: Ld=524.7nm Purity=79.5%

Peak WL: Lp=518nm FWHM: =30.2nm Ratio:R=0.3% G=97.3% 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 = 3.0

Photometric & Radiometric Parameters

Flux = 431.82 lm Eff. : 57.99 lm/W Fe = 916.34 mW

EEI: 0.18879 A

EEC: 58.0 G

Electrical parameters

V = 24.00 V I = 0.3103 A P = 7.447 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>

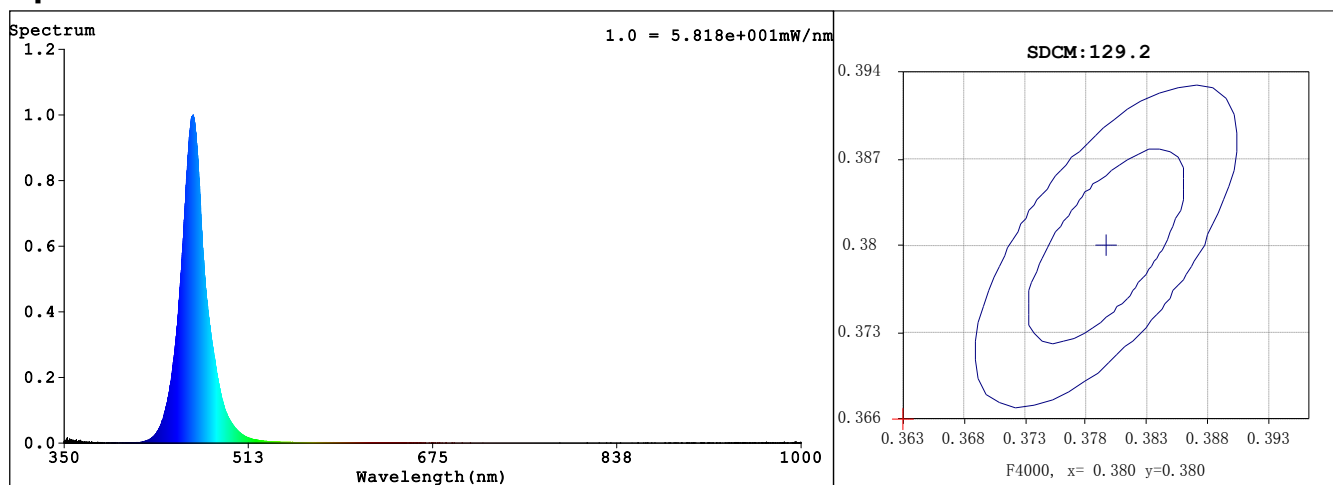
Spectrum Test Report

Sample	:		Date	:	2024-11-27
Specification	:	S012084CC4DC0 B	Sam. Status	:	1M
Sample No.	:	10105-0780-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	WANGHUALAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	44307 (68%)
Test Mode	:	Accuracy Test	T	:	99 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1372$ $y = 0.0569$ / $u' = 0.1610$ $v' = 0.1501$ ($duv = -1.67e-01$)

CCT>=100000K Prpc WL: Ld=467.4nm Purity=96.7%

Peak WL: Lp=464nm FWHM: =21.3nm Ratio:R=0.7% G=15.9% B=83.3%

Render Index: Ra = 0.8 TM30:Rf=0 Rg=-124

R1 =0	R2 =0	R3 =0	R4 =0	R5 =7	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 = 1.0

Photometric & Radiometric Parameters

Flux = 102.67 lm Eff. : 13.94 lm/W Fe = 1.5774 W

EEL: 0.52806 B

EEC: 13.9 G

Electrical parameters

V = 24.00 V I = 0.3069 A P = 7.365 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012084CC4DC0 4000±300K
Sample No. : 10105-0780-00
Manufacturer : iPixel LED

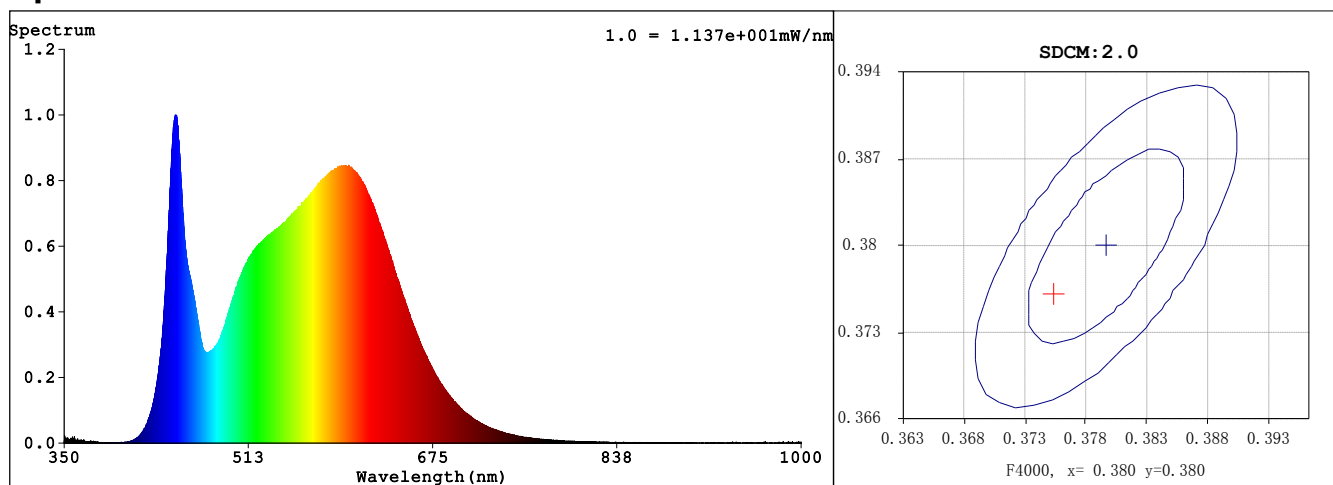
Date : 2024-11-27
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH : 65.0%
IP : 50205 (77%)
T : 549 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3757$ $y = 0.3760$ / $u' = 0.2223$ $v' = 0.5006$ ($duv=1.08e-03$)

CCT= 4125K Prpc WL: Ld=578.0nm Purity=25.6%

Peak WL: Lp=448nm FWHM: =21.8nm Ratio:R=18.2% G=78.0% B=3.8%

Render Index: Ra = 84.8 TM30:Rf=86 Rg=96

R1 =83 R2 =90 R3 =95 R4 =85 R5 =84 R6 =86 R7 =87

R8 =68 R9 =15 R10=76 R11=84 R12=66 R13=85 R14=97 R15=77

LEVEL:OUT

TLCI Parameters: TLCI = 69.9

Photometric & Radiometric Parameters

Flux = 566.76 lm Eff. : 77.08 lm/W Fe = 1.7352 W

EEL: 0.15093 A+

EEC: 77.1 G

Electrical parameters

V = 24.00 V I = 0.3064 A P = 7.353 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012084CC4DC0 R
Sample No. : 10105-0780-00
Manufacturer : iPixel LED

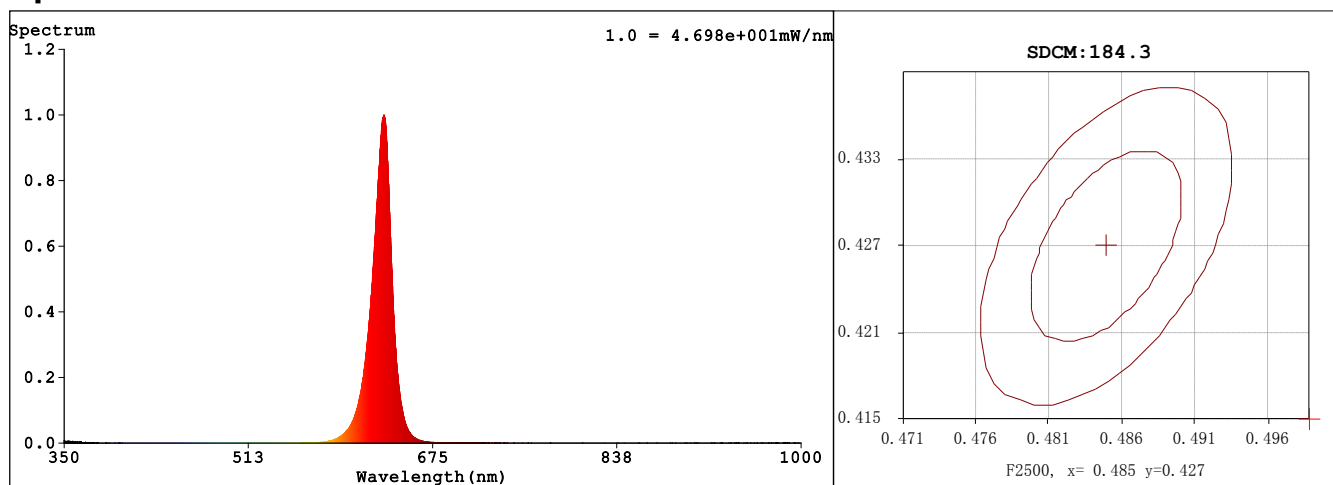
Date : 2024-11-27
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH	: 65.0%
IP	: 53278 (81%)
T	: 137 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6958$ $y = 0.3040$ / $u' = 0.5295$ $v' = 0.5205$ ($duv = -8.19e-02$)

CCT= 1001K Prcp WL: Ld=622.3nm Purity=100.0%

Peak WL: Lp=632nm FWHM: =17.4nm Ratio:R=95.9% G=4.1% B=-0.0%

Render Index: Ra = 26.4 TM30:Rf=1 Rg=136467538874726040000000000000000

R1 =6 R2 =77 R3 =32 R4 =0 R5 =1 R6 =88 R7 =7

R8 = 0 R9 = 0 R10 = 71 R11 = 0 R12 = 79 R13 = 29 R14 = 60 R15 = 0

LEVEL:OUT

TLCI Parameters: TLCI = 3.6

Photometric & Radiometric Parameters

Flux = 193.19 lm Eff. : 26.11 lm/W Fe = 995.14 mW

EEI: 0.34100 B

EEC: 26.1 G

Electrical parameters

$$V = 24.00 \text{ V} \quad I = 0.3083 \text{ A} \quad P = 7.399 \text{ W} \quad \text{PF} = 1.000$$

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012084CC4DC0 Mixed
Sample No. : 10105-0780-00
Manufacturer : iPixel LED

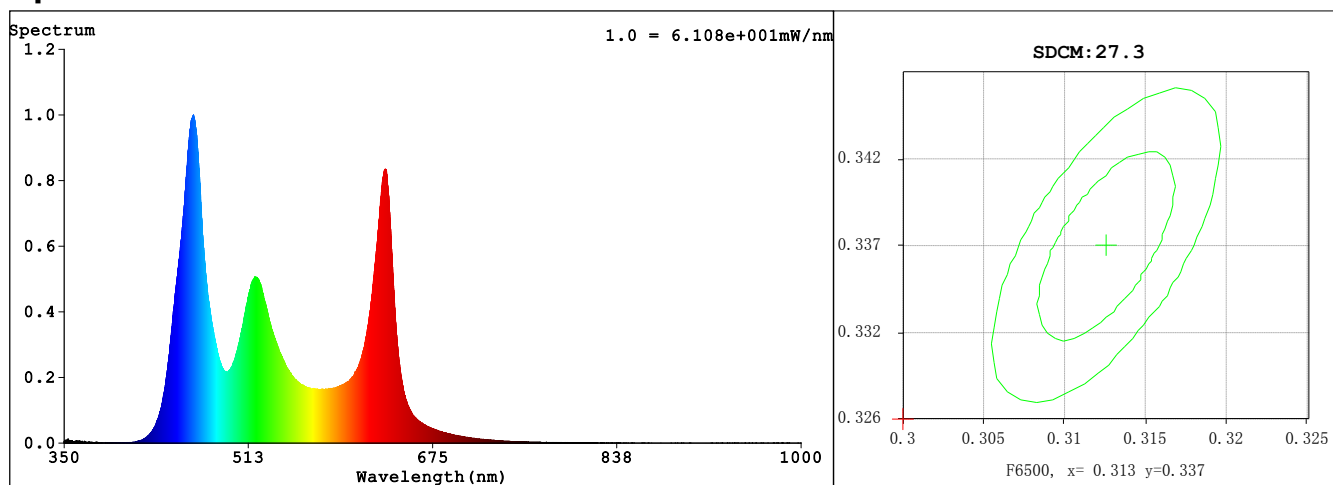
Date : 2024-11-27
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH : 65.0%
IP : 49874 (76%)
T : 106 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2948$ $y = 0.2850$ / $u' = 0.2022$ $v' = 0.4399$ ($duv = -1.06e-02$)

CCT= 8665K Prpc WL: $L_d = 471.6\text{nm}$ Purity=18.1%

Peak WL: $L_p = 464\text{nm}$ FWHM: $=25.8\text{nm}$ Ratio: R=21.8% G=69.0% B=9.2%

Render Index: $R_a = 59.0$ TM30: $R_f = 70$ $R_g = 114$

R1 =43 R2 =68 R3 =88 R4 =54 R5 =55 R6 =63 R7 =74

R8 =26 R9 =0 R10=31 R11=43 R12=60 R13=47 R14=89 R15=32

LEVEL:OUT

TLCI Parameters: TLCI = 49.1

Photometric & Radiometric Parameters

Flux = 1256.8 lm Eff. : 54.61 lm/W $F_e = 5.0783\text{ W}$

EEL: 0.24804 B

EEC: 54.6 G

Electrical parameters

V = 24.00 V I = 0.9589 A P = 23.01 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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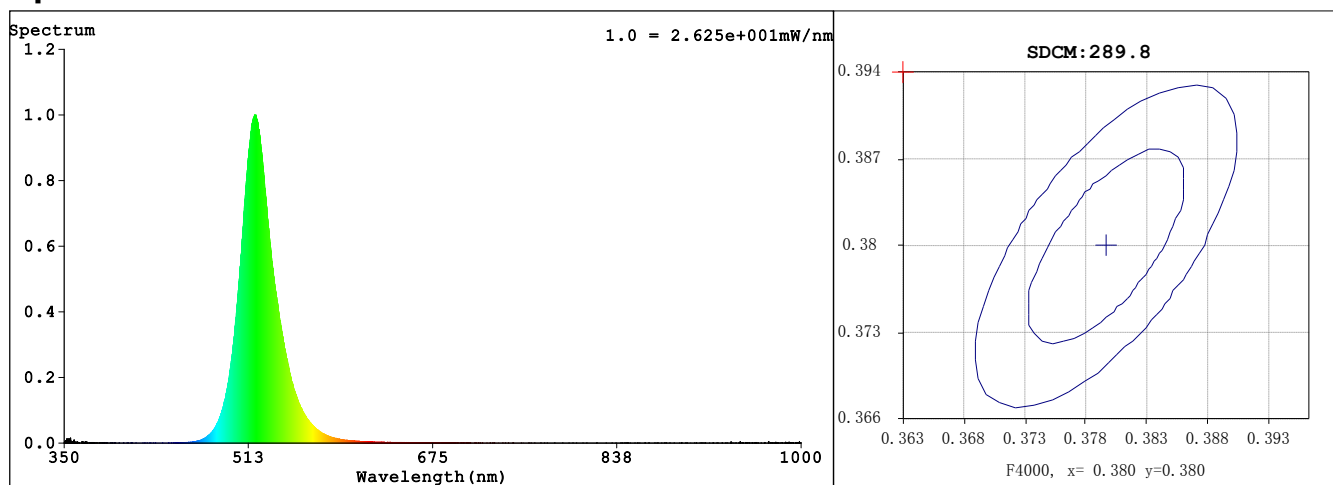
Spectrum Test Report

Sample	:		Date	:	2026-03-04
Specification	:	S012084CC4DC0 G	Sam. Status	:	1M
Sample No.	:	10105-0134-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	41869 (64%)
Test Mode	:	Fast Test	T	:	187 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1557$ $y = 0.7247$ / $u' = 0.0547$ $v' = 0.5729$ ($duv=1.61e-01$)

CCT= 8062K Prpc WL: Ld=524.3nm Purity=79.1%

Peak WL: Lp=519nm FWHM: =30.7nm Ratio:R=0.3% G=97.2% B=2.5%

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 = 2.9

Photometric & Radiometric Parameters

Flux = 455.83 lm Eff. : 54.66 lm/W Fe = 971.63 mW

EEI: 0.20279 A

EEC: 54.7 G

Electrical parameters

V = 24.00 V I = 0.3475 A P = 8.339 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

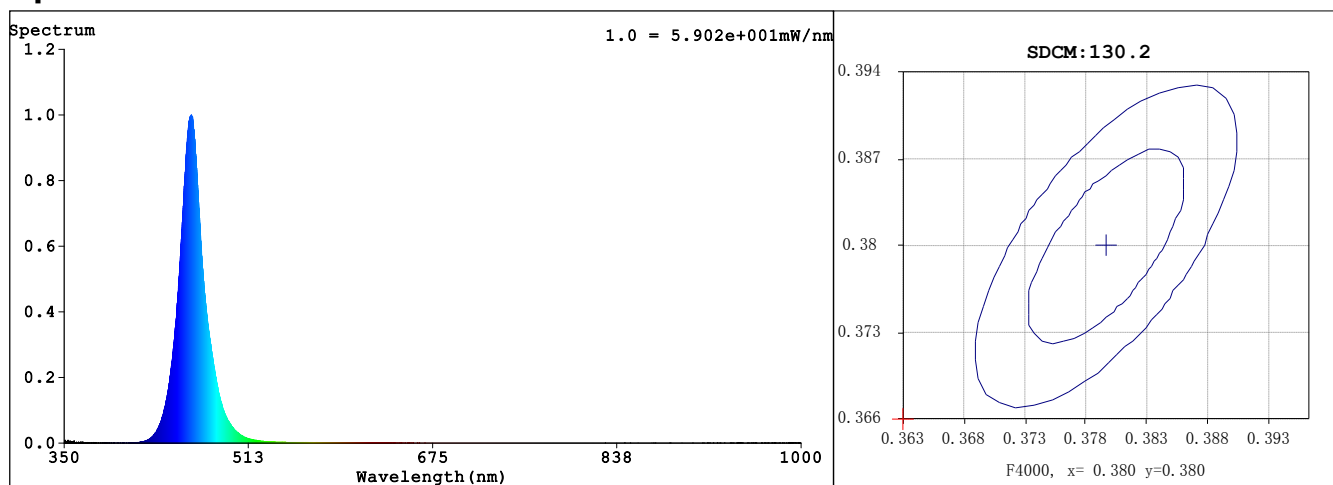
Spectrum Test Report

Sample	:		Date	:	2026-03-04
Specification	:	S012084CC4DC0 B	Sam. Status	:	1M
Sample No.	:	10105-0134-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	54020 (82%)
Test Mode	:	Fast Test	T	:	141 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1390$ $y = 0.0517$ / $u' = 0.1664$ $v' = 0.1391$ ($duv = -1.74e-01$)

CCT>=100000K Prpc WL: Ld=466.1nm Purity=97.1%

Peak WL: Lp=462nm FWHM: =21.6nm Ratio:R=0.6% G=14.4% B=85.0%

Render Index: Ra = 0.6 TM30:Rf=0 Rg=88

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=3

LEVEL:OUT

TLCI Parameters: TLCI = 0.9

Photometric & Radiometric Parameters

Flux = 96.890 lm Eff. : 11.63 lm/W Fe = 1.5911 W

EEL: 0.62117 C

EEC: 11.6 G

Electrical parameters

V = 24.00 V I = 0.3471 A P = 8.330 W PF = 1.000

Freq=0.00 Hz

GBT5702

Spectrum Test Report

Sample :
Specification : S012084CC4DC0 3000±300K
Sample No. : 10105-0134-00
Manufacturer : iPixel LED

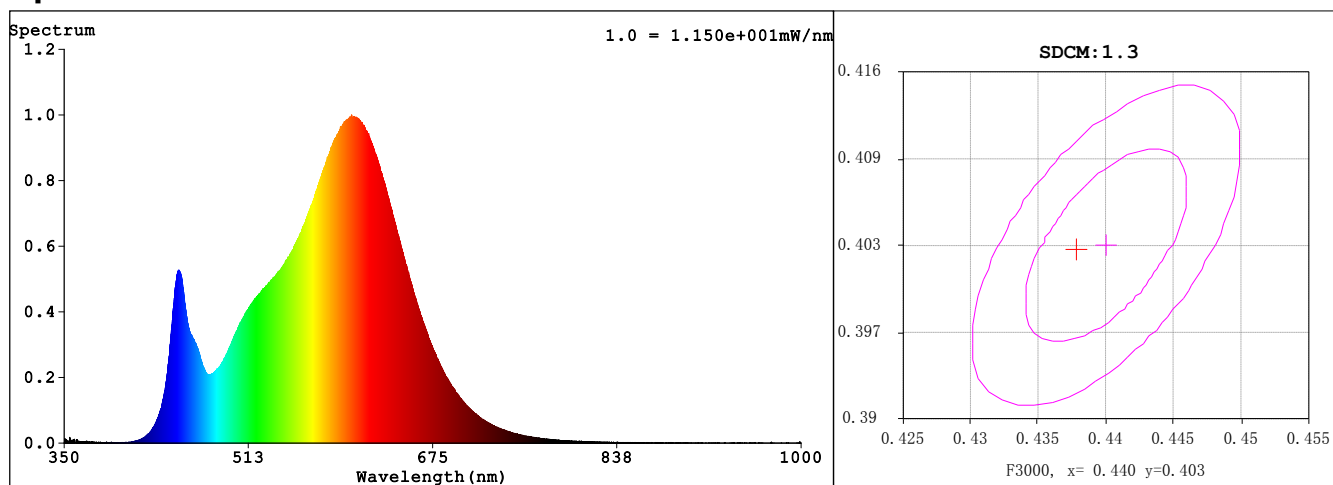
Date : 2026-03-04
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DNJ

Test Condition

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

RH : 65.0%
IP : 53124 (81%)
T : 583 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4378$ $y = 0.4027$ / $u' = 0.2517$ $v' = 0.5210$ ($duv = -6.54e-04$)

CCT= 2974K Prpc WL: $L_d = 583.2nm$ Purity=52.3%

Peak WL: $L_p = 604nm$ FWHM: $= 121.6nm$ Ratio: $R = 23.3\%$ $G = 74.0\%$ $B = 2.7\%$

Render Index: $R_a = 83.2$ TM30: $R_f = 85$ $R_g = 95$

$R_1 = 82$ $R_2 = 93$ $R_3 = 95$ $R_4 = 81$ $R_5 = 83$ $R_6 = 92$ $R_7 = 82$

$R_8 = 59$ $R_9 = 8$ $R_{10} = 84$ $R_{11} = 81$ $R_{12} = 75$ $R_{13} = 85$ $R_{14} = 98$ $R_{15} = 74$

LEVEL:OUT

TLCI Parameters: $TLCI = 69.3$

Photometric & Radiometric Parameters

Flux = 547.67 lm Eff. : 65.86 lm/W $Fe = 1.6627 W$

EEI: 0.17532 A

EEC: 65.9 G

Electrical parameters

$V = 24.00 V$ $I = 0.3465 A$ $P = 8.315 W$ $PF = 1.000$

Freq=0.00 Hz

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iPixel LED

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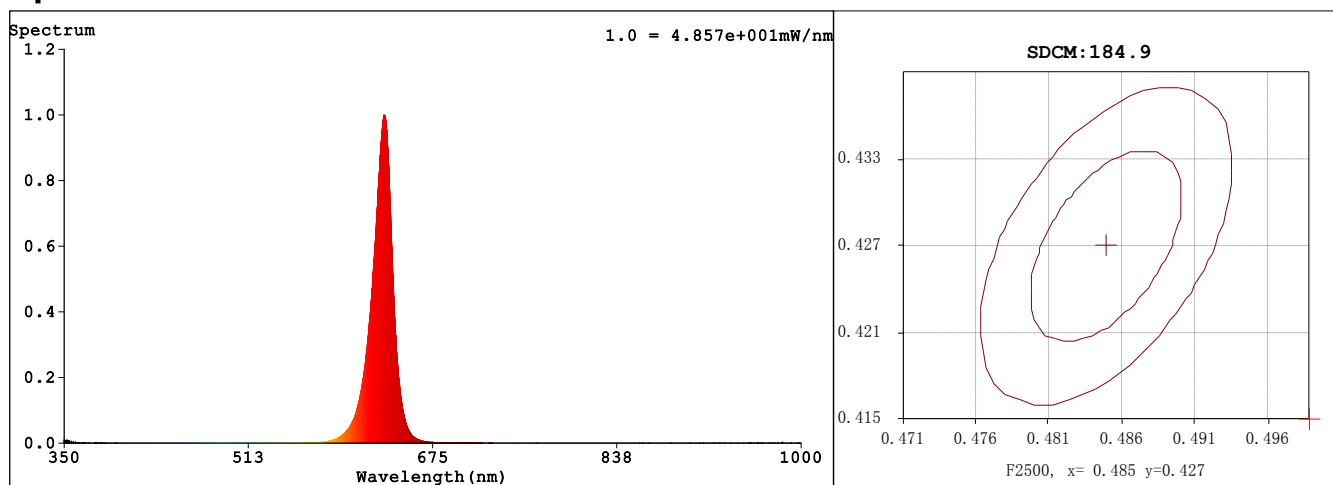
Spectrum Test Report

Sample	:		Date	:	2026-03-04
Specification	:	S012084CC4DC0 R	Sam. Status	:	1M
Sample No.	:	10105-0134-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DNJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	50996 (78%)
Test Mode	:	Fast Test	T	:	145 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6964$ $y = 0.3036$ / $u' = 0.5306$ $v' = 0.5204$ ($duv = -8.30e-02$)

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

Peak WL: Lp=632nm FWHM: =17.9nm Ratio:R=95.9% G=4.1% B=-0.0%

Render Index: Ra = 26.6 TM30:Rf=1 Rg=9612208264238406500000000000000000

R1 =6 R2 =77 R3 =32 R4 =0 R5 =1 R6 =88 R7 =8

R8 =0 R9 =0 R10=70 R11=0 R12=79 R13=29 R14=60 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 4.0

Photometric & Radiometric Parameters

Flux = 200.19 lm Eff. : 24.01 lm/W Fe = 1.0429 W

EEI: 0.37463 B

EEC: 24.0 G

Electrical parameters

V = 24.00 V I = 0.3475 A P = 8.339 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012084CC4DC0 Mixed
Sample No. : 10105-0134-00
Manufacturer : iPixel LED

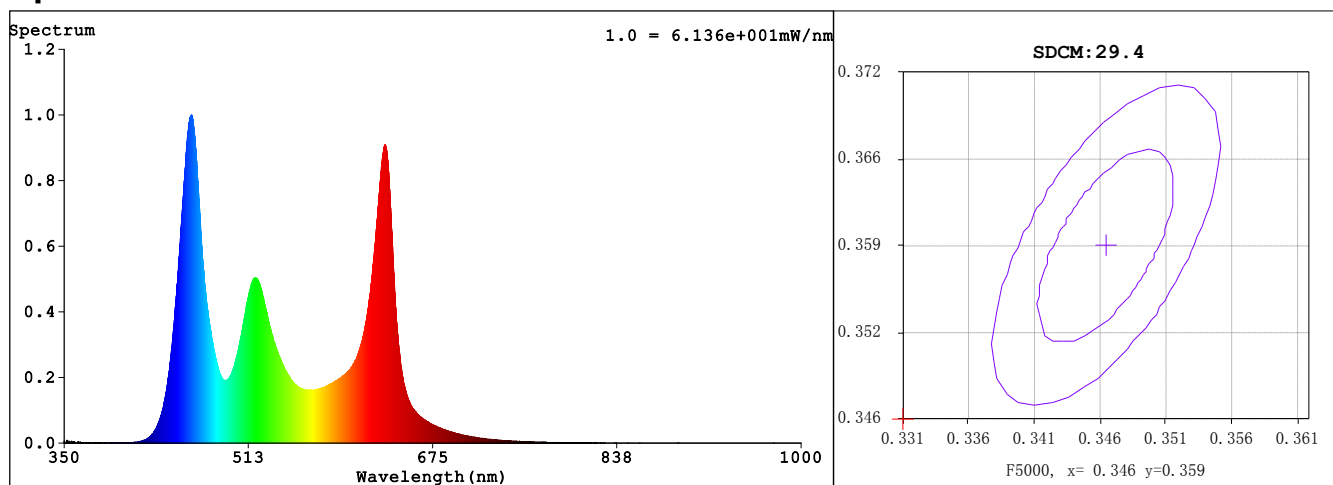
Date : 2026-03-04
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DNJ

Test Condition

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

RH : 65.0%
IP : 58775 (90%)
T : 145 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3113$ $y = 0.2875$ / $u' = 0.2137$ $v' = 0.4440$ ($duv = -1.91e-02$)

CCT= 7083K Prpc WL: $L_d = 569.6nm$ Purity=20.4%

Peak WL: $L_p = 463nm$ FWHM: $=23.6nm$ Ratio: R=24.4% G=67.1% B=8.4%

Render Index: $R_a = 51.7$ TM30: $R_f = 69$ $R_g = 118$

R1 =33 R2 =62 R3 =88 R4 =43 R5 =43 R6 =53 R7 =74

R8 =18 R9 =0 R10=18 R11=27 R12=49 R13=37 R14=88 R15=22

LEVEL:OUT

TLCI Parameters: TLCI = 48.3

Photometric & Radiometric Parameters

Flux = 1274.9 lm Eff. : 52.71 lm/W $Fe = 5.1631 W$

EEI: 0.25762 B

EEC: 52.7 G

Electrical parameters

V = 24.00 V I = 1.008 A P = 24.19 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120DC4DE1 R
Sample No. : 10105-1014-00
Manufacturer : iPixel LED

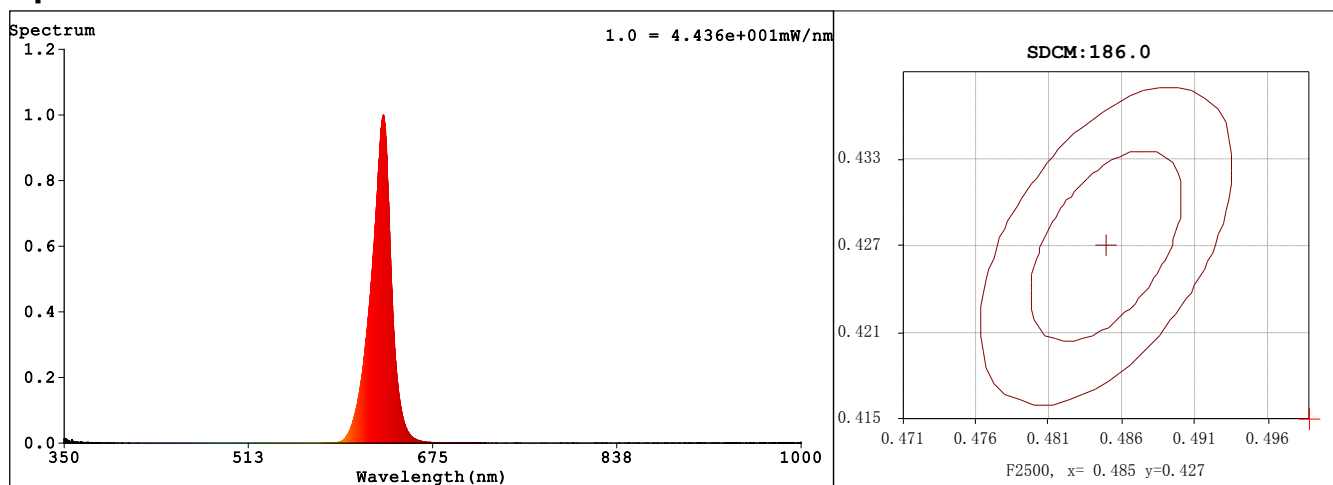
Date : 2026-04-24
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH	: 65.0%
IP	: 55327 (84%)
T	: 173 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6973$ $y = 0.3021$ / $u' = 0.5332$ $v' = 0.5198$ ($duv = -8.57e-02$)

CCT= 1001K Prcp WL: Ld=623.4nm Purity=99.8%

Peak WL: Lp=632nm FWHM: =17.6nm Ratio:R=98.7% G=1.2% B=0.0%

Render Index: Ra = 24.2 TM30:Rf=1 Rg=9718007571755892300000000000000000

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

R8 = 0 R9 = 0 R10 = 72 R11 = 0 R12 = 79 R13 = 27 R14 = 56 R15 = 0

LEVEL:OUT

TLCI Parameters: TLCl = 2.0

Photometric & Radiometric Parameters

Flux = 180.82 lm Eff. : 13.27 lm/W Fe = 928.11 mW

EEI: 0.65823 C

EEC: 13.3 G

Electrical parameters

 $V = 24.00 \text{ V} \quad I = 0.5676 \text{ A} \quad P = 13.62 \text{ W} \quad PF = 1.000$

Freq=0.00 Hz

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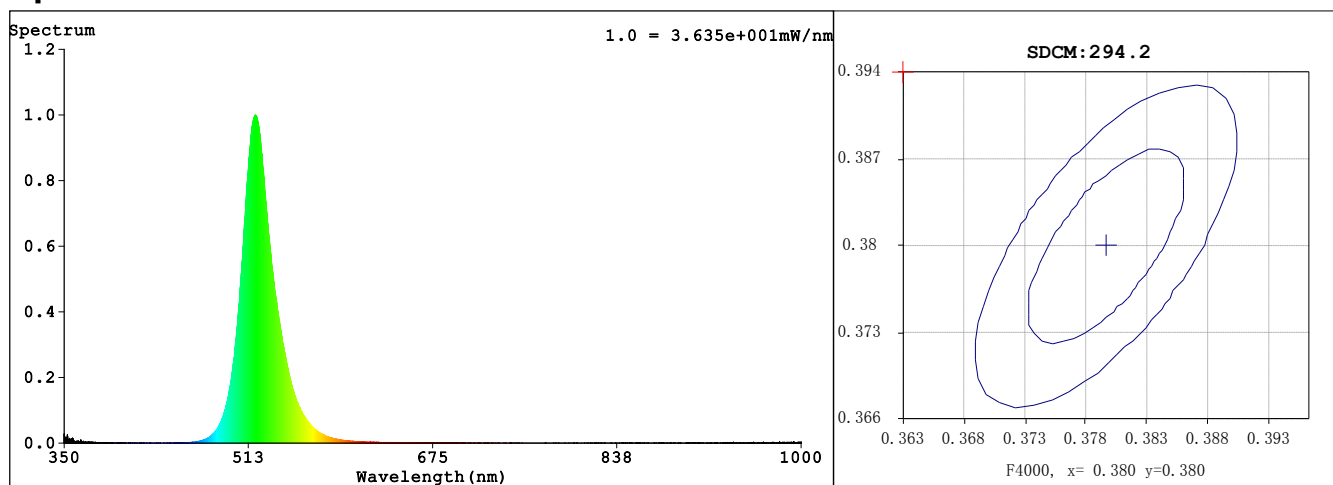
Spectrum Test Report

Sample	:		Date	:	2026-04-24
Specification	:	S012120DC4DE1 G	Sam. Status	:	1M
Sample No.	:	10105-1014-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	53153 (81%)
Test Mode	:	Fast Test	T	:	173 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1550$ $y = 0.7332$ / $u' = 0.0540$ $v' = 0.5744$ ($duv=1.63e-01$)

CCT= 8025K Prpc WL: Ld=524.9nm Purity=81.1%

Peak WL: Lp=519nm FWHM: =28.8nm Ratio:R=0.3% G=97.8% 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=35 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.6

Photometric & Radiometric Parameters

Flux = 605.15 lm Eff. : 44.38 lm/W Fe = 1.2765 W

EEL: 0.26580 B

EEC: 44.4 G

Electrical parameters

V = 24.00 V I = 0.5682 A P = 13.64 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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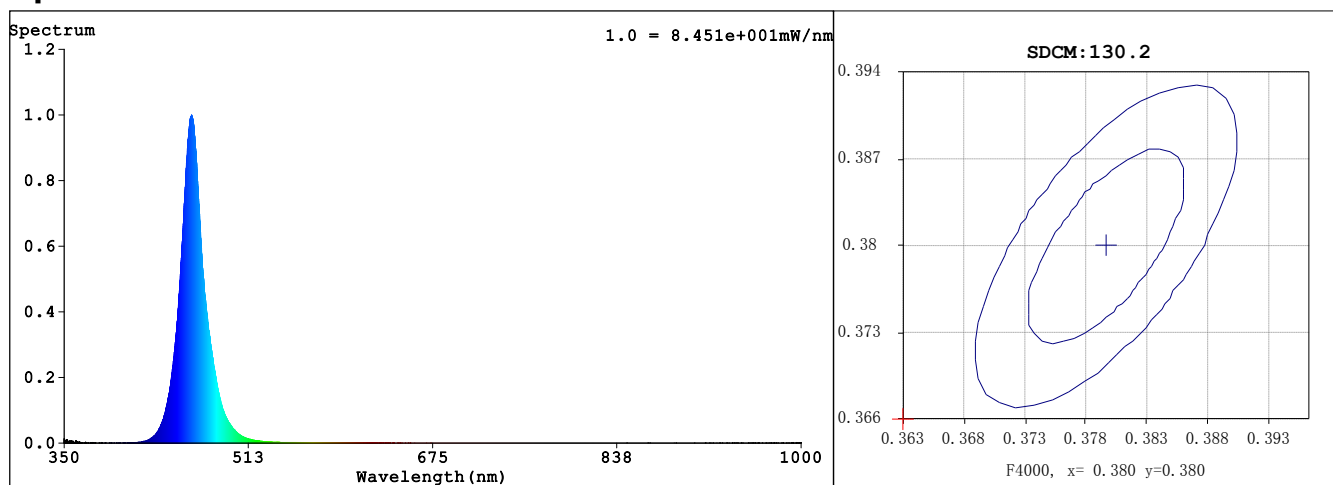
Spectrum Test Report

Sample	:		Date	:	2026-04-24
Specification	:	S012120DC4DE1 B	Sam. Status	:	1M
Sample No.	:	10105-1014-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	46432 (71%)
Test Mode	:	Fast Test	T	:	86 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1379$ $y = 0.0524$ / $u' = 0.1645$ $v' = 0.1407$ ($duv = -1.73e-01$)

CCT>=100000K Prpc WL: Ld=466.5nm Purity=97.2%

Peak WL: Lp=463nm FWHM: =20.7nm Ratio:R=0.5% G=13.4% B=86.1%

Render Index: Ra = 0.3 TM30:Rf=0 Rg=67

R1 =0	R2 =0	R3 =0	R4 =0	R5 =3	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 = 134.89 lm Eff. : 9.86 lm/W Fe = 2.1983 W

EEL: 0.81318 D

EEC: 9.9 G

Electrical parameters

V = 24.00 V I = 0.5703 A P = 13.69 W PF = 1.000

Freq=0.00 Hz

GBT5702

Spectrum Test Report

Sample :
Specification : S012120DC4DE1 3000±300K
Sample No. : 10105-1014-00
Manufacturer : iPixel LED

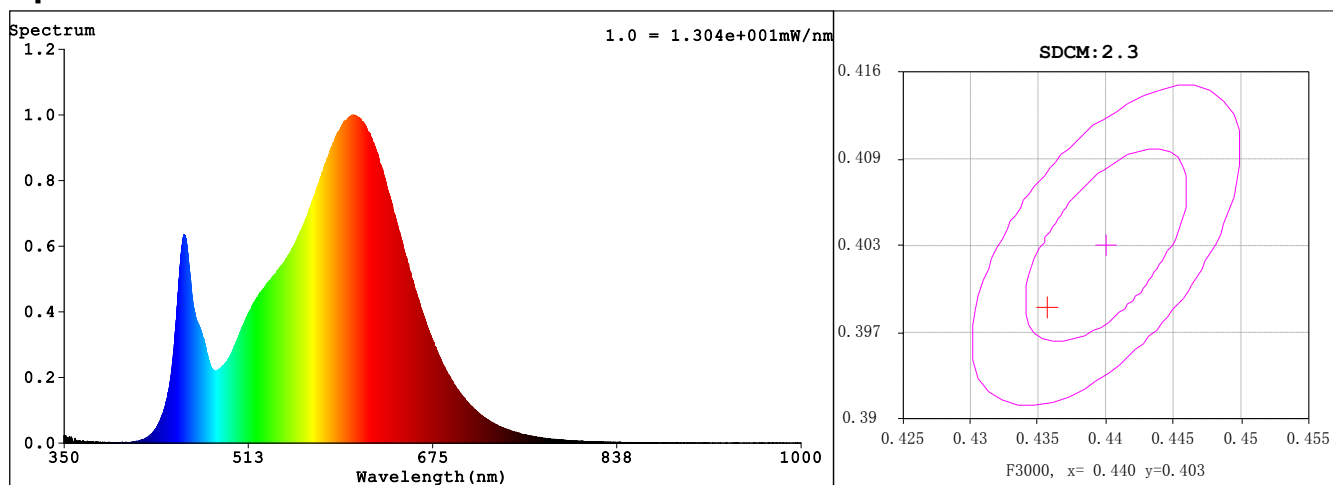
Date : 2026-04-24
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 53441 (82%)
T : 519 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4357 y = 0.3985 / u' = 0.2522 v' = 0.5190 (duv=-2.09e-03)

CCT= 2975K Prpc WL: Ld=583.7nm Purity=50.4%

Peak WL: Lp=605nm FWHM: =124.1nm Ratio:R=23.5% G=73.6% B=2.9%

Render Index: Ra = 83.6 TM30:Rf=84 Rg=96

R1 =83 R2 =94 R3 =94 R4 =80 R5 =83 R6 =92 R7 =81

R8 =60 R9 =13 R10=86 R11=80 R12=73 R13=86 R14=98 R15=76

LEVEL:OUT

TLCI Parameters: TLCI = 71.2

Photometric & Radiometric Parameters

Flux = 624.68 lm Eff. : 45.68 lm/W Fe = 1.9279 W

EEL: 0.25999 B

EEC: 45.7 G

Electrical parameters

V = 24.00 V I = 0.5699 A P = 13.68 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120DC4DE1 Mixed
Sample No. : 10105-1014-03
Manufacturer : iPixel LED

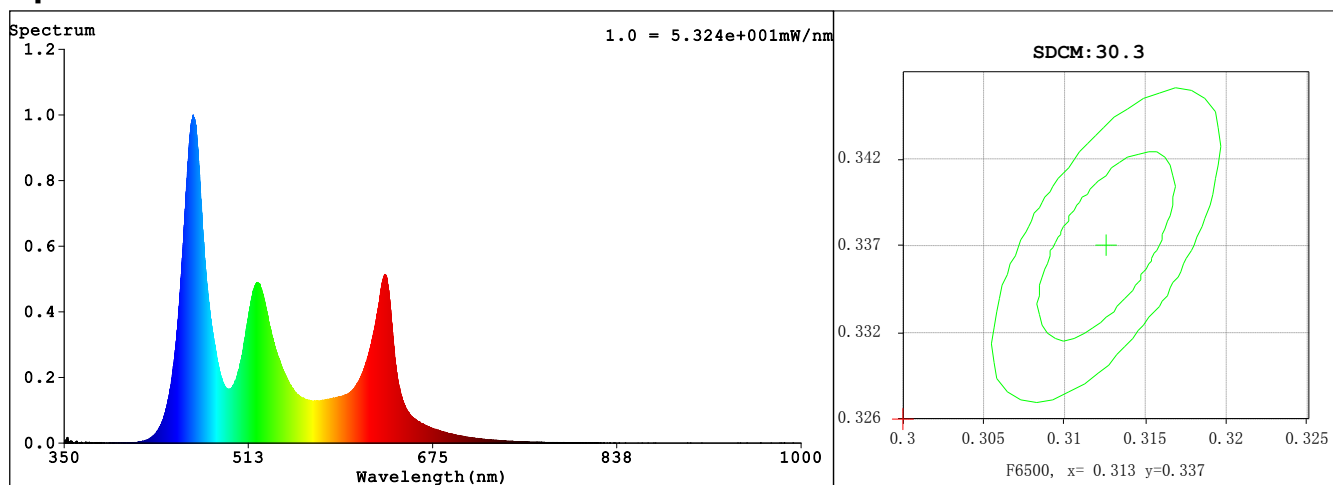
Date : 2026-04-24
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 49212 (75%)
T : 143 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2729$ $y = 0.2857$ / $u' = 0.1856$ $v' = 0.4371$ ($duv=3.51e-03$)

CCT= 11108K Prpc WL: $L_d=480.7nm$ Purity=24.7%

Peak WL: $L_p=464nm$ FWHM: $=22.3nm$ Ratio:R=18.3% G=71.7% B=10.0%

Render Index: $R_a = 71.2$ TM30:Rf=72 Rg=107

R1 =62 R2 =76 R3 =88 R4 =72 R5 =73 R6 =75 R7 =75

R8 =49 R9 =0 R10=48 R11=69 R12=64 R13=62 R14=90 R15=52

LEVEL:OUT

TLCI Parameters: TLCI = 53.5

Photometric & Radiometric Parameters

Flux = 914.95 lm Eff. : 36.50 lm/W $Fe = 3.6561 W$

EEL: 0.35085 B

EEC: 36.5 G

Electrical parameters

V = 24.00 V I = 1.045 A P = 25.07 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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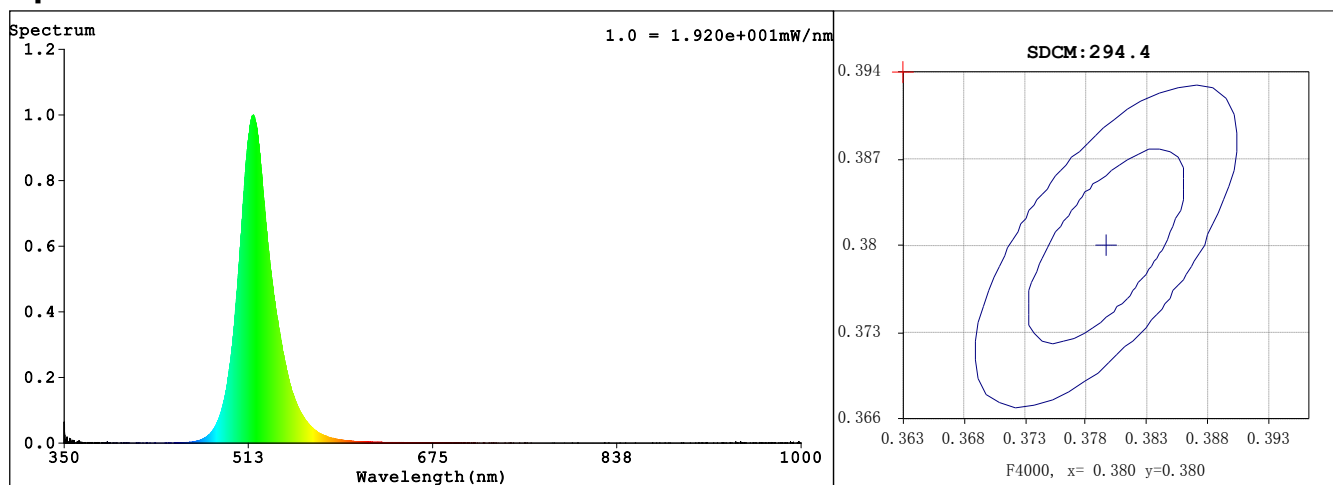
Spectrum Test Report

Sample	:		Date	:	2026-06-02
Specification	:	S012060CC4DC0 G	Sam. Status	:	1M
Sample No.	:	10105-1033-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	52289 (80%)
Test Mode	:	Fast Test	T	:	331 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1459$ $y = 0.7227$ / $u' = 0.0513$ $v' = 0.5715$ ($duv=1.64e-01$)

CCT= 8244K Prpc WL: Ld=522.4nm Purity=78.0%

Peak WL: Lp=517nm FWHM: =29.7nm Ratio:R=0.3% G=96.9% B=2.8%

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 = 2.8

Photometric & Radiometric Parameters

Flux = 315.11 lm Eff. : 50.89 lm/W Fe = 691.51 mW

EEI: 0.19933 A

EEC: 50.9 G

Electrical parameters

V = 24.00 V I = 0.2580 A P = 6.191 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012060CC4DC0 B
Sample No. : 10105-1033-00
Manufacturer : iPixel LED

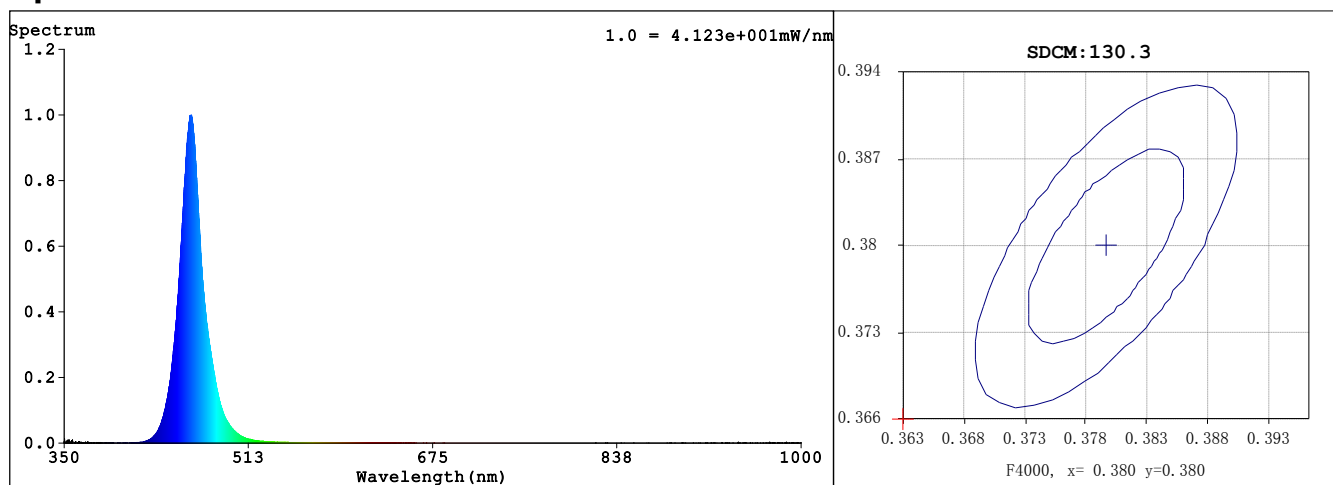
Date : 2026-06-02
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 42703 (65%)
T : 165 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1396$ $y = 0.0509$ / $u' = 0.1676$ $v' = 0.1374$ ($duv = -1.75e-01$)

CCT>=100000K Prcp WL: Ld=465.9nm Purity=97.1%

Peak WL: Lp=462nm FWHM: =20.6nm Ratio:R=0.7% G=14.5% B=84.8%

Render Index: Ra = 0.8 TM30:Rf=0 Rg=85

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=4

LEVEL:OUT

TLCI Parameters: TLCI = 0.9

Photometric & Radiometric Parameters

Flux = 64.790 lm Eff. : 10.48 lm/W Fe = 1.0730 W

EEI: 0.60287 C

EEC: 10.5 G

Electrical parameters

V = 24.00 V I = 0.2577 A P = 6.184 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012060CC4DC0 3000±300K
Sample No. : 10105-1033-00
Manufacturer : iPixel LED

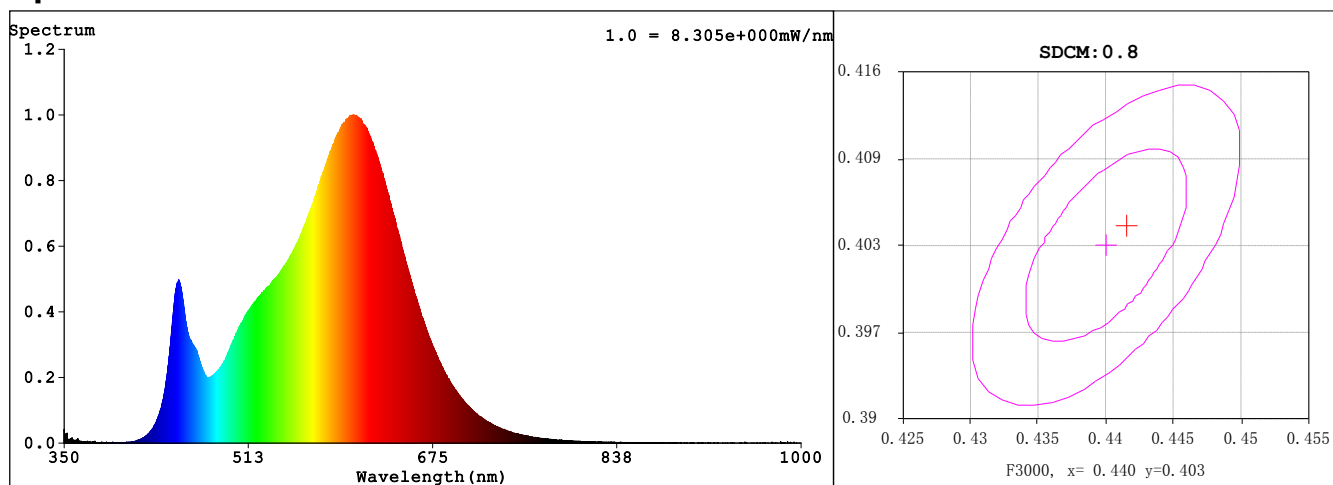
Date : 2026-06-02
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 53465 (82%)
T : 828 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4415 y = 0.4045 / u' = 0.2534 v' = 0.5222 (duv=-4.43e-04)

CCT= 2927K Prpc WL: Ld=583.3nm Purity=53.9%

Peak WL: Lp=605nm FWHM: =119.7nm Ratio:R=23.6% G=73.7% B=2.7%

Render Index: Ra = 83.2 TM30:Rf=85 Rg=96

R1 =82 R2 =93 R3 =95 R4 =81 R5 =83 R6 =92 R7 =82

R8 =58 R9 =8 R10=83 R11=81 R12=76 R13=85 R14=98 R15=74

LEVEL:OUT

TLCI Parameters: TLCI = 69.0

Photometric & Radiometric Parameters

Flux = 393.15 lm Eff. : 63.28 lm/W Fe = 1.1960 W

EEL: 0.16923 A+

EEC: 63.3 G

Electrical parameters

V = 24.00 V I = 0.2589 A P = 6.213 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>

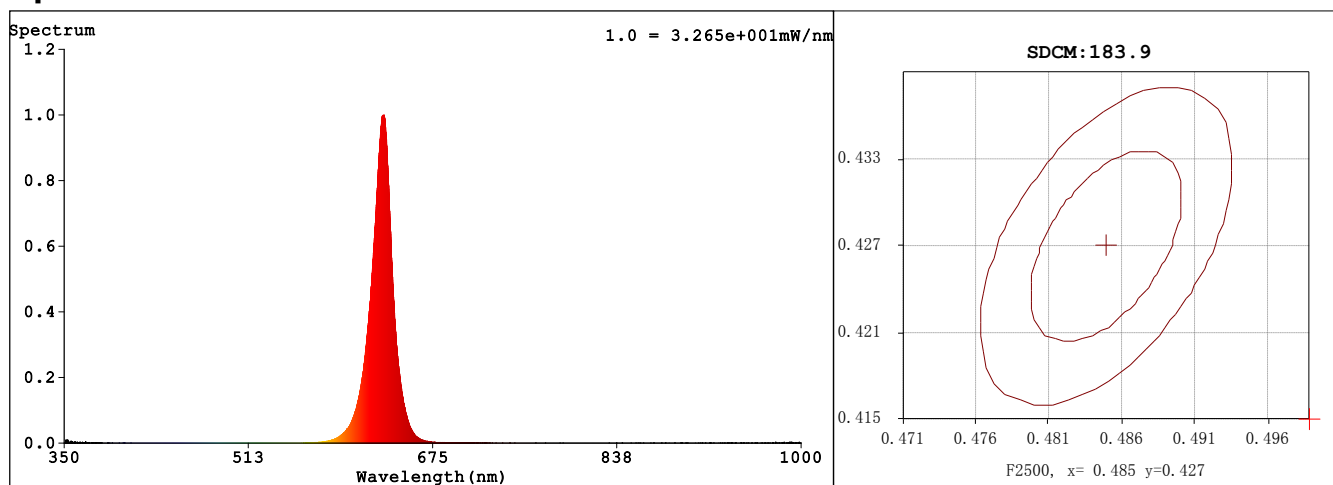
Spectrum Test Report

Sample	:		Date	:	2026-06-02
Specification	:	S012060CC4DC0 R	Sam. Status	:	1M
Sample No.	:	10105-1033-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	47926 (73%)
Test Mode	:	Fast Test	T	:	207 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6954$ $y = 0.3043$ / $u' = 0.5287$ $v' = 0.5206$ ($duv = -8.11e-02$)

CCT= 1001K Prcp WL: Ld=622.1nm Purity=99.9%

Peak WL: Lp=632nm FWHM: =18.3nm Ratio:R=95.7% G=4.3% B=0.0%

Render Index: Ra = 27.3 TM30:Rf=1 Rg=9815032360274923200000000000000000

R1 =8 R2 =78 R3 =33 R4 =0 R5 =3 R6 =89 R7 =9

R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=30 R14=61 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.5

Photometric & Radiometric Parameters

Flux = 141.88 lm Eff. : 22.93 lm/W Fe = 736.14 mW

EEI: 0.35487 B

EEC: 22.9 G

Electrical parameters

V = 24.00 V I = 0.2578 A P = 6.187 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012060CC4DC0 Mixed
Sample No. : 10105-1033-00
Manufacturer : iPixel LED

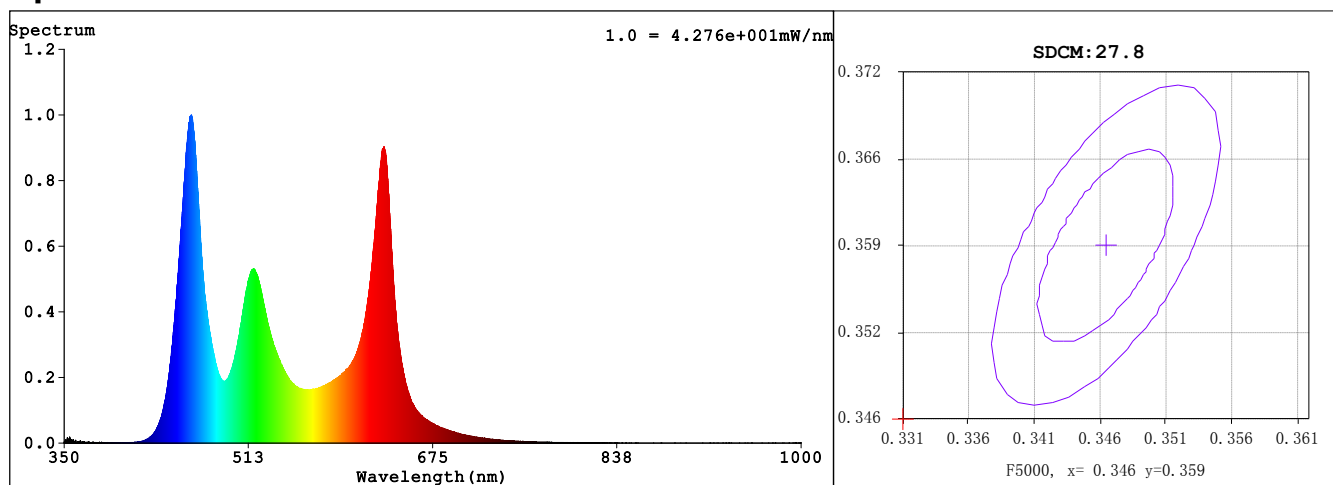
Date : 2026-06-02
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 56648 (86%)
T : 207 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3158$ $y = 0.2914$ / $u' = 0.2154$ $v' = 0.4471$ ($duv = -1.93e-02$)

CCT= 6669K Prpc WL: $L_d = 568.2\text{nm}$ Purity=17.9%

Peak WL: $L_p = 462\text{nm}$ FWHM: $=22.6\text{nm}$ Ratio: R=24.9% G=66.9% B=8.1%

Render Index: $R_a = 50.9$ TM30: $R_f = 68$ $R_g = 118$

R1 =32 R2 =61 R3 =87 R4 =41 R5 =41 R6 =51 R7 =74

R8 =19 R9 =0 R10=14 R11=23 R12=46 R13=37 R14=89 R15=23

LEVEL:OUT

TLCI Parameters: TLCI = 46.2

Photometric & Radiometric Parameters

Flux = 901.37 lm Eff. : 47.02 lm/W $F_e = 3.6344\text{ W}$

EEL: 0.27157 B

EEC: 47.0 G

Electrical parameters

V = 24.00 V I = 0.7988 A P = 19.17 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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