

Spectrum Test Report

Sample :
Specification : S012048CC4PZ G
Sample No. : 10103-0290-00
Manufacturer : iPixel LED

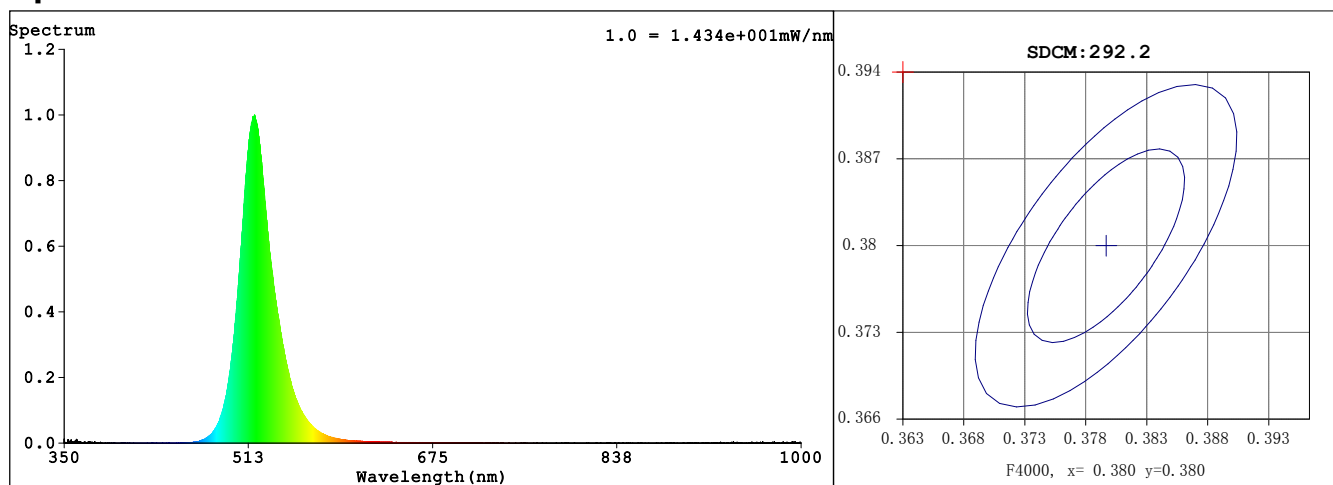
Date : 2024-01-25
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 50029 (76%)
T : 311 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1527$ $y = 0.7261$ / $u' = 0.0535$ $v' = 0.5729$ ($duv=1.62e-01$)

CCT= 8106K Prpc WL: Ld=523.9nm Purity=79.2%

Peak WL: Lp=518nm FWHM: =30.0nm 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=36 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.0

Photometric & Radiometric Parameters

Flux = 241.34 lm Eff. : 67.36 lm/W Fe = 519.94 mW

EEI: 0.14053 A+

EEC: 67.4 G

Electrical parameters

V = 24.00 V I = 0.1493 A P = 3.583 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012048CC4PZ R
Sample No. : 10103-0290-00
Manufacturer : iPixel LED

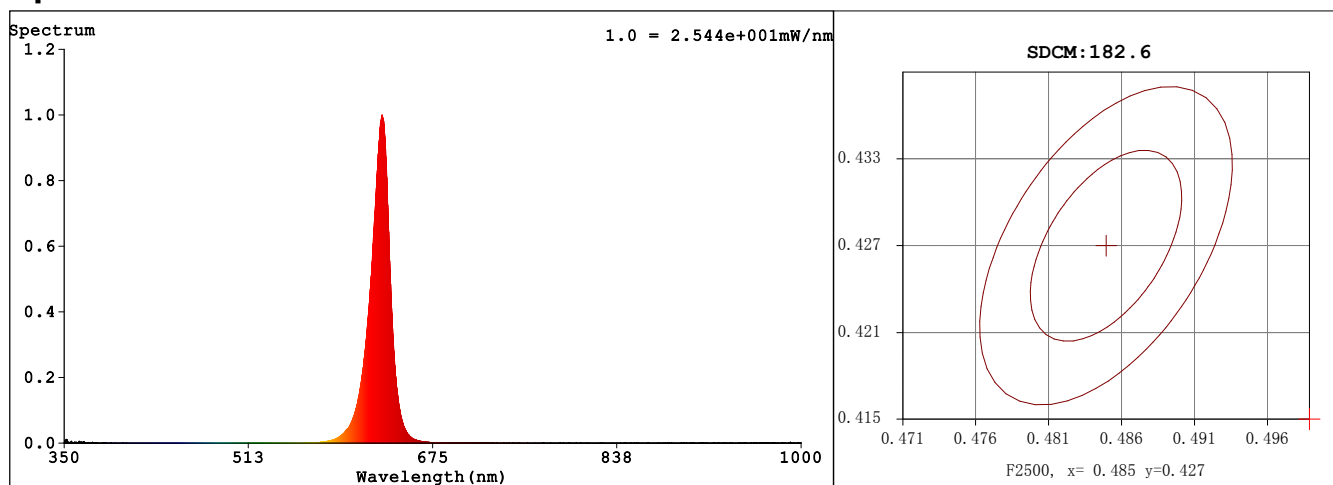
Date : 2024-01-25
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 50050 (76%)
T : 218 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6942$ $y = 0.3058$ / $u' = 0.5258$ $v' = 0.5211$ ($duv = -7.83e-02$)

CCT= 1001K Prcp WL: $L_d = 621.3nm$ Purity=100.0%

Peak WL: $L_p = 631nm$ FWHM: $= 17.2nm$ Ratio: $R = 95.8\%$ $G = 4.2\%$ $B = -0.0\%$

Render Index: $R_a = 25.0$ TM30: $R_f = 1$ $R_g = 4730045096105509500000000000000000$

$R_1 = 4$ $R_2 = 74$ $R_3 = 32$ $R_4 = 0$ $R_5 = 0$ $R_6 = 81$ $R_7 = 8$

$R_8 = 0$ $R_9 = 0$ $R_{10} = 64$ $R_{11} = 0$ $R_{12} = 69$ $R_{13} = 26$ $R_{14} = 60$ $R_{15} = 0$

LEVEL:OUT

TLCI Parameters: TLCI = 4.8

Photometric & Radiometric Parameters

Flux = 106.88 lm Eff. : 30.69 lm/W $Fe = 524.35 mW$

EEL: 0.24293 B

EEC: 30.7 G

Electrical parameters

$V = 24.00 V$ $I = 0.1451 A$ $P = 3.482 W$ PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012048CC4PZ B
Sample No. : 10103-0290-00
Manufacturer : iPixel LED

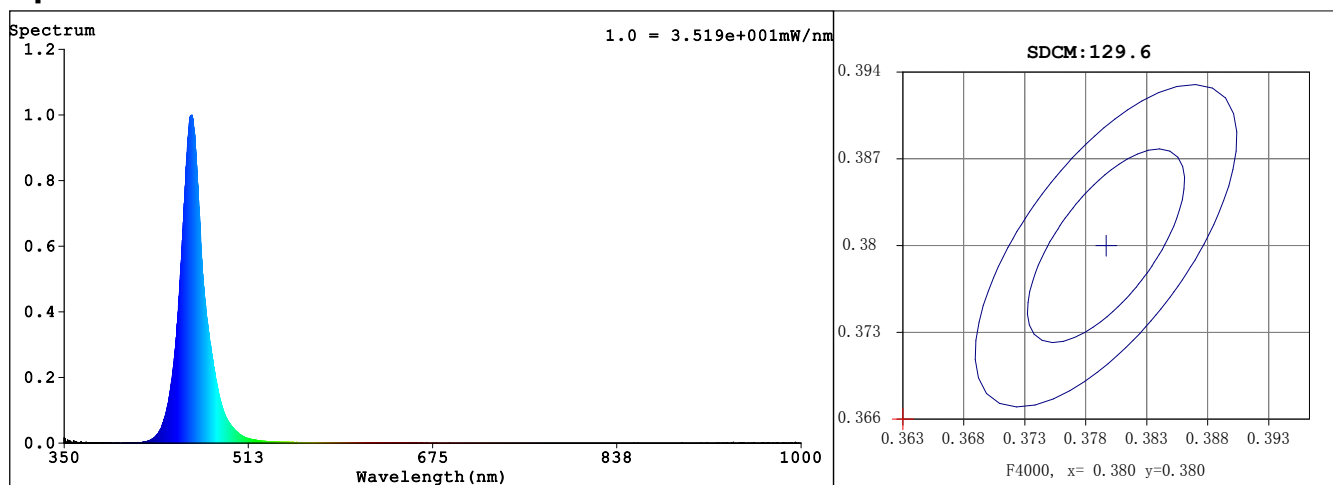
Date : 2024-01-25
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 50860 (78%)
T : 171 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1384$ $y = 0.0542$ / $u' = 0.1641$ $v' = 0.1446$ ($duv = -1.70e-01$)

CCT $\geq 100000K$ Prcp WL: $L_d = 466.7nm$ Purity = 96.8%

Peak WL: $L_p = 463nm$ FWHM: $\approx 20.2nm$ Ratio: R=0.8% G=15.9% B=83.4%

Render Index: $R_a = 1.0$ TM30: $R_f = 0$ $R_g = 68$

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 = 1.0

Photometric & Radiometric Parameters

Flux = 57.289 lm Eff. : 15.63 lm/W Fe = 902.99 mW

EEL: 0.38706 B

EEC: 15.6 G

Electrical parameters

V = 24.00 V I = 0.1527 A P = 3.665 W PF = 1.000

Freq = 0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012048CC4PZ 4000±300K
Sample No. : 10103-0290-00
Manufacturer : iPixel LED

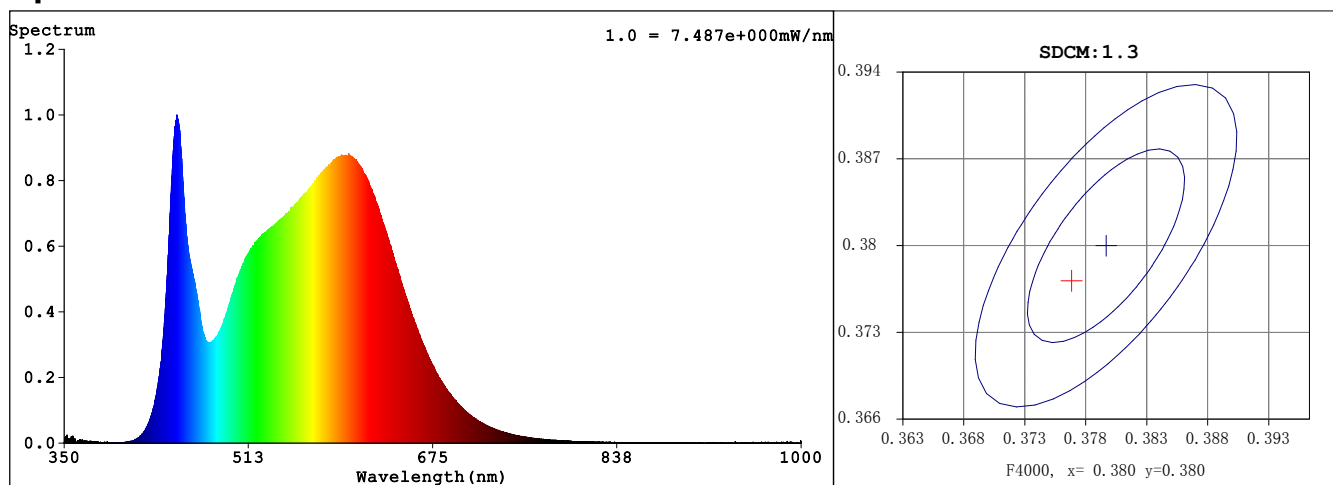
Date : 2024-01-25
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 50158 (77%)
T : 734 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3772$ $y = 0.3771$ / $u' = 0.2228$ $v' = 0.5013$ ($duv=1.14e-03$)

CCT= 4092K Prcp WL: $L_d=578.1nm$ Purity=26.4%

Peak WL: $L_p=450nm$ FWHM: $=24.1nm$ Ratio:R=18.4% G=77.7% B=3.9%

Render Index: $R_a = 85.6$ TM30:Rf=86 Rg=96

R1 =84 R2 =91 R3 =96 R4 =85 R5 =84 R6 =88 R7 =88

R8 =68 R9 =18 R10=79 R11=85 R12=66 R13=86 R14=98 R15=78

LEVEL:OUT

TLCI Parameters: TLCI = 72.0

Photometric & Radiometric Parameters

Flux = 385.76 lm Eff. : 89.95 lm/W $Fe = 1.1830 W$

EEL: 0.11852 A+

EEC: 89.9 F

Electrical parameters

V = 24.00 V I = 0.1787 A P = 4.289 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012048CC4PZ Mixed
Sample No. : 10103-0290-00
Manufacturer : iPixel LED

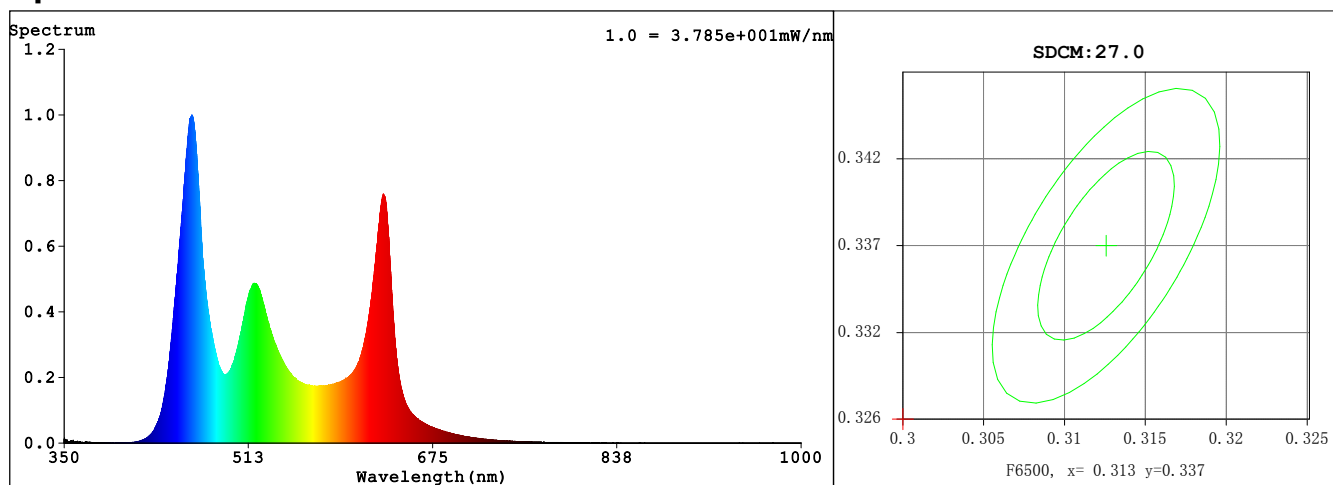
Date : 2024-01-25
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 50576 (77%)
T : 158 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2957$ $y = 0.2859$ / $u' = 0.2026$ $v' = 0.4406$ ($duv = -1.07e-02$)

CCT= 8533K Prpc WL: $L_d = 471.4nm$ Purity=17.7%

Peak WL: $L_p = 463nm$ FWHM: $= 24.6nm$ Ratio: R=21.4% G=69.6% B=9.0%

Render Index: $R_a = 62.8$ TM30: $R_f = 73$ $R_g = 113$

R1 =48 R2 =70 R3 =89 R4 =58 R5 =58 R6 =65 R7 =77

R8 =36 R9 =0 R10=36 R11=47 R12=61 R13=51 R14=90 R15=39

LEVEL:OUT

TLCI Parameters: TLCI = 56.8

Photometric & Radiometric Parameters

Flux = 769.73 lm Eff. : 50.38 lm/W $F_e = 3.0590 W$

EEL: 0.24589 B

EEC: 50.4 G

Electrical parameters

V = 24.00 V I = 0.6366 A P = 15.28 W PF = 1.000

Freq=0.00 Hz

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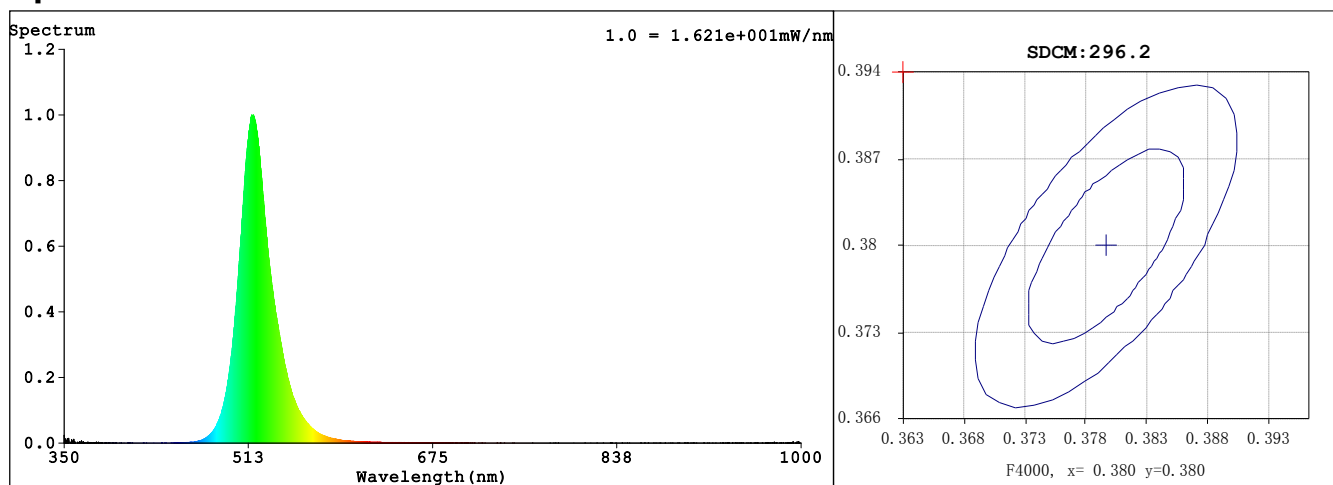
Spectrum Test Report

Sample	:		Date	:	2026-06-29
Specification	:	S012048CB4PZ(S) G	Sam. Status	:	1M
Sample No.	:	10103-0387-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	52406 (80%)
Test Mode	:	Fast Test	T	:	393 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1444$ $y = 0.7246$ / $u' = 0.0506$ $v' = 0.5717$ ($duv=1.65e-01$)

CCT= 8258K Prpc WL: Ld=522.3nm Purity=78.3%

Peak WL: Lp=516nm FWHM: =29.0nm Ratio:R=0.3% G=97.0% B=2.7%

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 = 2.7

Photometric & Radiometric Parameters

Flux = 261.22 lm Eff. : 69.91 lm/W Fe = 573.46 mW

EEL: 0.13827 A+

EEC: 69.9 G

Electrical parameters

V = 12.00 V I = 0.3114 A P = 3.736 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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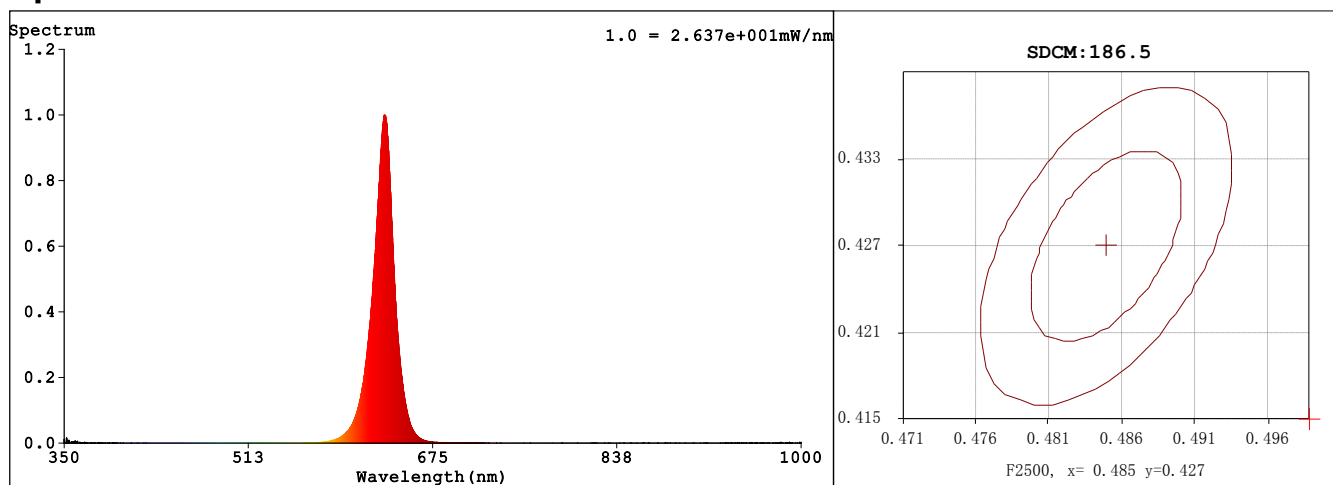
Spectrum Test Report

Sample	:		Date	:	2026-06-29
Specification	:	S012048CB4PZ(S) R	Sam. Status	:	1M
Sample No.	:	10103-0387-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	53680 (82%)
Test Mode	:	Fast Test	T	:	287 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6979$ $y = 0.3019$ / $u' = 0.5340$ $v' = 0.5198$ ($duv = -8.65e-02$)

CCT= 1001K Prcp WL: Ld=623.5nm Purity=99.9%

Peak WL: Lp=633nm FWHM: =18.6nm Ratio:R=96.3% G=3.7% B=0.0%

Render Index: Ra = 26.8 TM30:Rf=1 Rg=5783220108647468200000000000000000000000

R1 =7 R2 =78 R3 =32 R4 =0 R5 =2 R6 =88 R7 =8

R8 =0 R9 =0 R10=71 R11=0 R12=80 R13=29 R14=60 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.4

Photometric & Radiometric Parameters

Flux = 108.90 lm Eff. : 31.44 lm/W Fe = 596.70 mW

EEL: 0.23858 A

EEC: 31.4 G

Electrical parameters

V = 12.00 V I = 0.2887 A P = 3.464 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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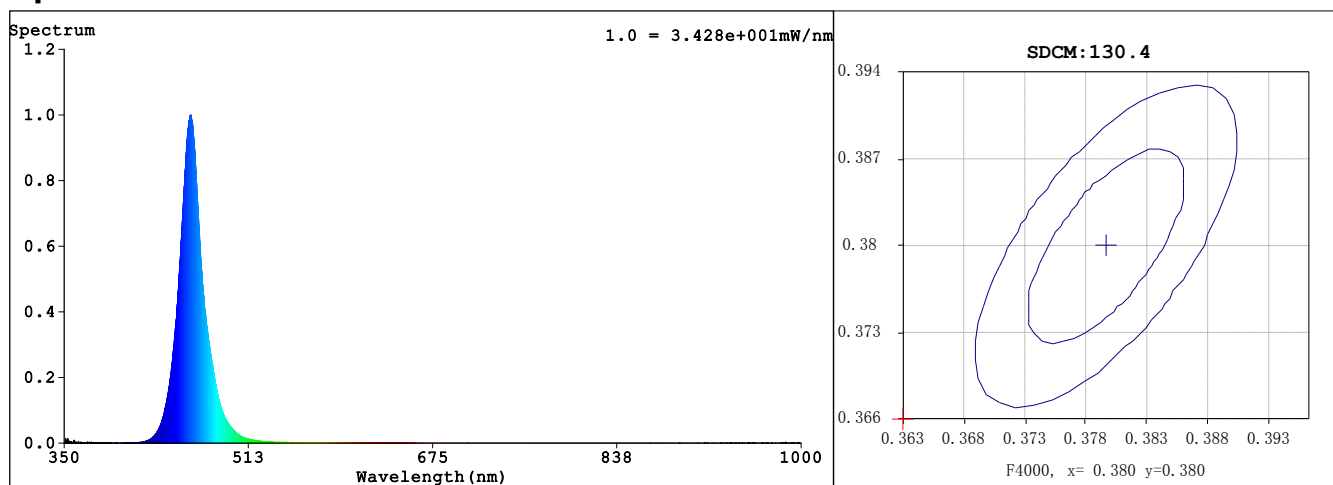
Spectrum Test Report

Sample	:		Date	:	2026-06-29
Specification	:	S012048CB4PZ(S) B	Sam. Status	:	1M
Sample No.	:	10103-0387-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	CJ

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	53523 (82%)
Test Mode	:	Fast Test	T	:	250 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1399$ $y = 0.0503$ / $u' = 0.1683$ $v' = 0.1362$ ($duv = -1.76e-01$)

CCT>=100000K Prpc WL: Ld=465.7nm 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=84

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 = 53.203 lm Eff. : 14.14 lm/W Fe = 887.42 mW

EEI: 0.41678 B

EEC: 14.1 G

Electrical parameters

V = 12.00 V I = 0.3135 A P = 3.762 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012048CB4PZ(S) 3000±300K
Sample No. : 10103-0387-00
Manufacturer : iPixel LED

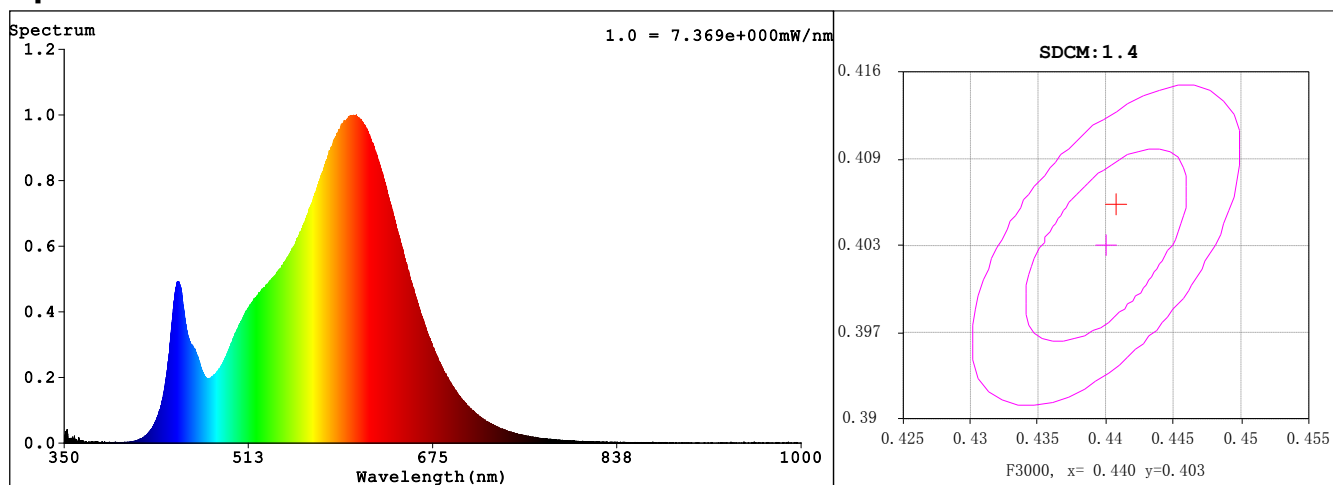
Date : 2026-06-29
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 52190 (80%)
T : 909 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4407$ $y = 0.4061$ / $u' = 0.2522$ $v' = 0.5227$ ($duv=2.83e-04$)

CCT= 2953K Prpc WL: $L_d=582.9nm$ Purity=54.2%

Peak WL: $L_p=608nm$ FWHM: $=122.1nm$ Ratio:R=23.4% G=74.0% B=2.6%

Render Index: $R_a = 83.1$ TM30:Rf=85 Rg=95

R1 =82 R2 =92 R3 =96 R4 =81 R5 =82 R6 =91 R7 =82

R8 =58 R9 =7 R10=82 R11=81 R12=74 R13=84 R14=98 R15=74

LEVEL:OUT

TLCI Parameters: TLCI = 69.0

Photometric & Radiometric Parameters

Flux = 352.29 lm Eff. : 86.94 lm/W $Fe = 1.0661 W$

EEL: 0.11996 A+

EEC: 86.9 F

Electrical parameters

V = 12.00 V I = 0.3377 A P = 4.052 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012048CB4PZ(S) Mixed
Sample No. : 10103-0387-00
Manufacturer : iPixel LED

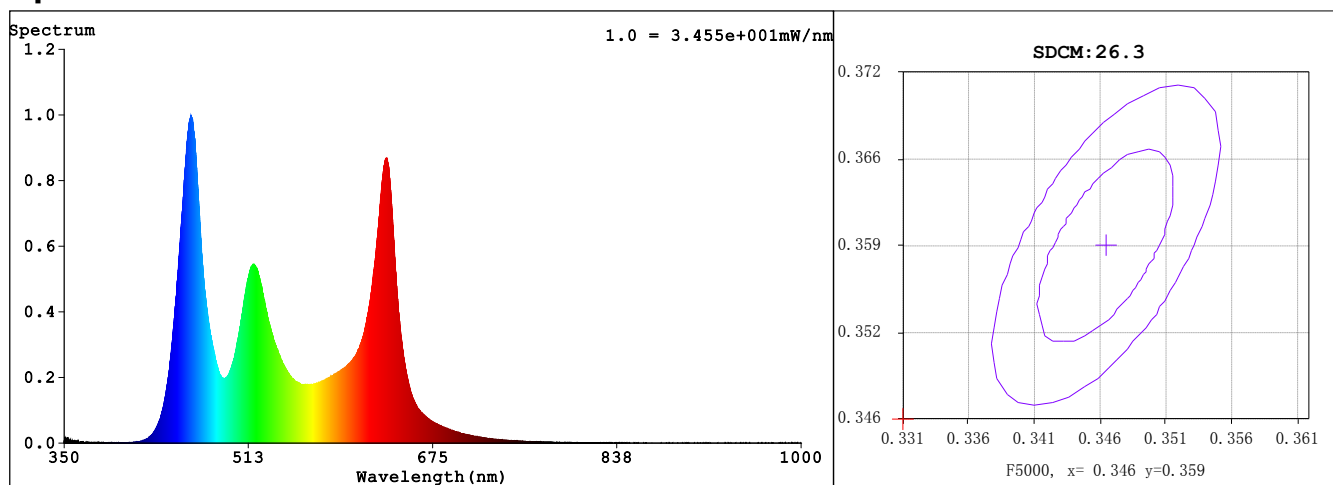
Date : 2026-06-29
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 49171 (75%)
T : 227 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3137$ $y = 0.2953$ / $u' = 0.2121$ $v' = 0.4492$ ($duv = -1.58e-02$)

CCT= 6777K Prpc WL: $L_d = 436.6nm$ Purity=11.7%

Peak WL: $L_p = 462nm$ FWHM: $= 23.2nm$ Ratio: R=23.6% G=68.4% B=8.0%

Render Index: $R_a = 55.6$ TM30: $R_f = 70$ $R_g = 116$

R1 =39 R2 =66 R3 =88 R4 =48 R5 =48 R6 =57 R7 =75

R8 =24 R9 =0 R10=24 R11=31 R12=53 R13=43 R14=89 R15=30

LEVEL:OUT

TLCI Parameters: TLCI = 49.8

Photometric & Radiometric Parameters

Flux = 754.07 lm Eff. : 50.68 lm/W $Fe = 3.0291 W$

EEL: 0.24344 B

EEC: 50.7 G

Electrical parameters

V = 12.00 V I = 1.240 A P = 14.88 W PF = 1.000

Freq=0.00 Hz

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