

Spectrum Test Report

Sample :
Specification : S012120TC4SC5 6500±400K
Sample No. : 10105-0623-00
Manufacturer : iPixel LED

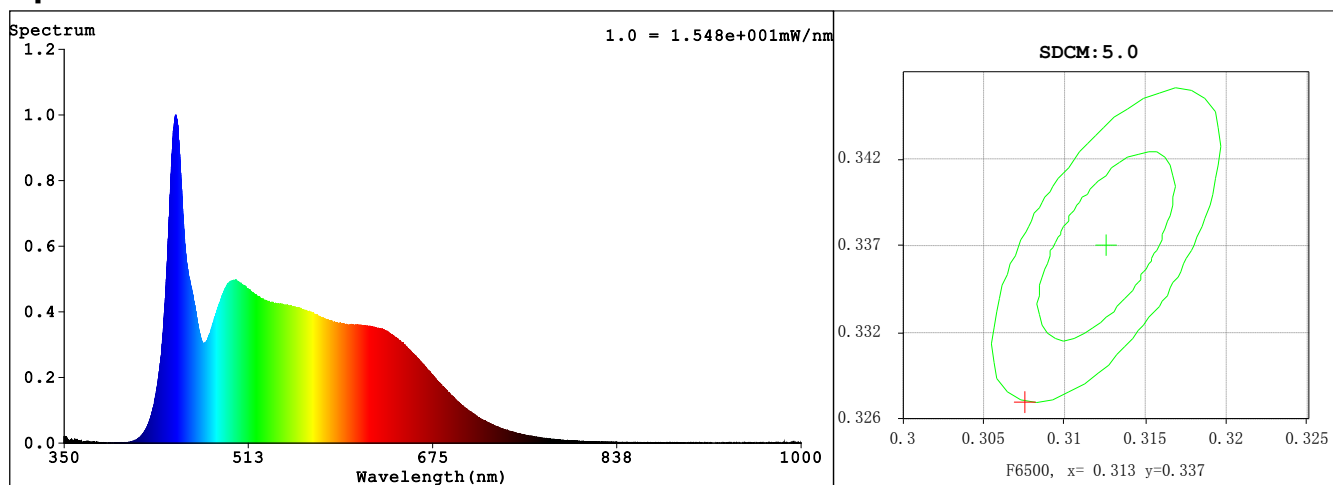
Date : 2025-03-15
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 48226 (74%)
T : 472 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3080 y = 0.3273 / u' = 0.1952 v' = 0.4667 (duv=4.75e-03)

CCT= 6782K Prpc WL: Ld=488.6nm Purity=9.0%

Peak WL: Lp=449nm FWHM: =20.3nm Ratio:R=15.0% G=77.6% B=7.4%

Render Index: Ra = 97.8 TM30:Rf=96 Rg=100

R1 =98 R2 =99 R3 =100 R4 =99 R5 =98 R6 =97 R7 =98

R8 =96 R9 =88 R10=98 R11=97 R12=80 R13=98 R14=100 R15=96

LEVEL:OUT

TLCI Parameters: TLCI = 98.8

Photometric & Radiometric Parameters

Flux = 454.32 lm Eff. : 53.52 lm/W Fe = 1.6809 W

EEL: 0.20693 A

EEC: 53.5 G

Electrical parameters

V = 24.00 V I = 0.3537 A P = 8.488 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120TC4SC5 R
Sample No. : 10105-0623-00
Manufacturer : iPixel LED

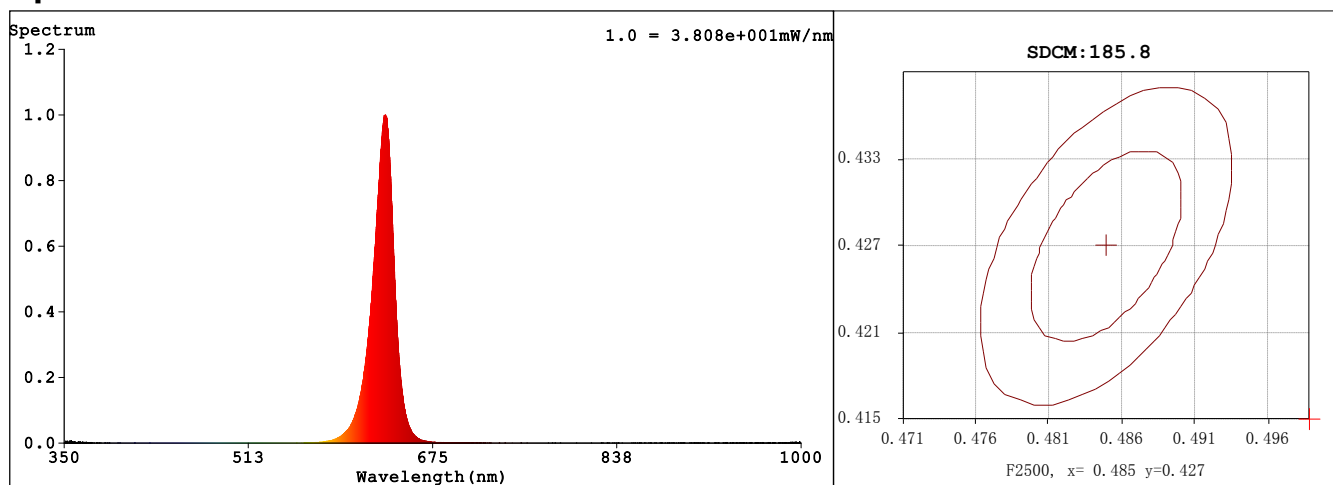
Date : 2025-03-15
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 50277 (77%)
T : 159 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6973$ $y = 0.3027$ / $u' = 0.5325$ $v' = 0.5201$ ($duv = -8.50e-02$)

CCT= 1001K Prcp WL: $L_d = 623.0nm$ Purity=100.0%

Peak WL: $L_p = 633nm$ FWHM: $= 19.1nm$ Ratio: $R = 96.0\%$ $G = 4.0\%$ $B = -0.0\%$

Render Index: $R_a = 26.6$ TM30: $R_f = 1$ $R_g = 7811461069012635200000000000000000000000$

$R_1 = 6$ $R_2 = 77$ $R_3 = 33$ $R_4 = 0$ $R_5 = 1$ $R_6 = 87$ $R_7 = 9$

$R_8 = 0$ $R_9 = 0$ $R_{10} = 70$ $R_{11} = 0$ $R_{12} = 77$ $R_{13} = 29$ $R_{14} = 61$ $R_{15} = 0$

LEVEL:OUT

TLCI Parameters: TLCI = 3.6

Photometric & Radiometric Parameters

Flux = 161.00 lm Eff. : 19.32 lm/W $\Phi_e = 867.99 mW$

EEL: 0.43727 B

EEC: 19.3 G

Electrical parameters

$V = 24.00 V$ $I = 0.3472 A$ $P = 8.332 W$ PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012120TC4SC5 G
Sample No. : 10105-0623-00
Manufacturer : iPixel LED

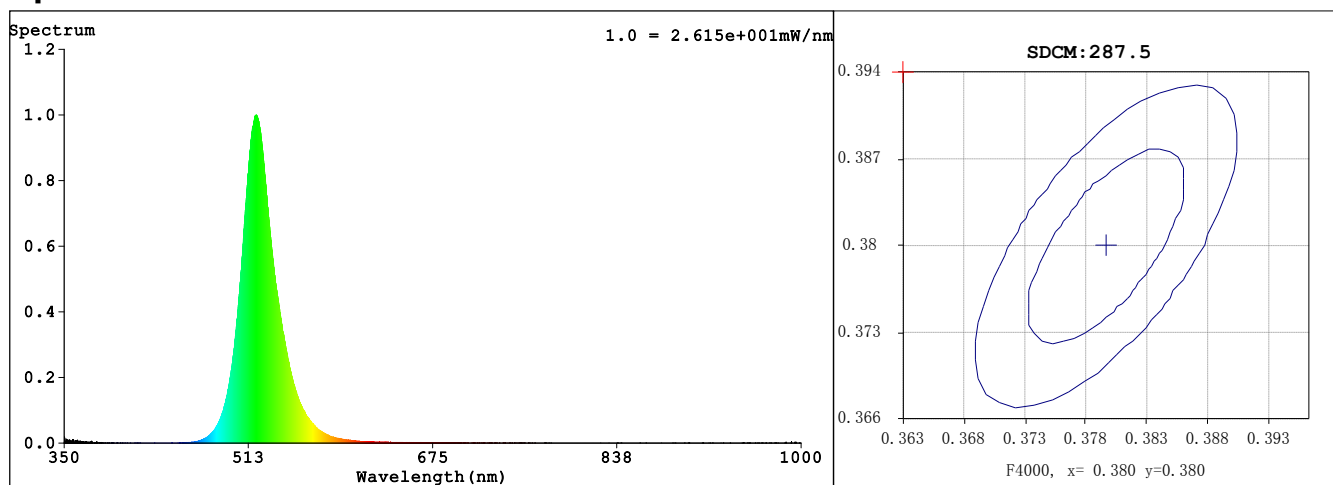
Date : 2025-03-15
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 42394 (65%)
T : 159 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1621$ $y = 0.7273$ / $u' = 0.0569$ $v' = 0.5740$ ($duv=1.60e-01$)

CCT= 7941K Prpc WL: $L_d=525.7nm$ Purity=80.3%

Peak WL: $L_p=519nm$ FWHM: $=30.6nm$ Ratio: $R=0.3\%$ $G=97.5\%$ $B=2.1\%$

Render Index: $R_a = 0.0$ TM30: $R_f=2$ $R_g=7$

$R_1=0$ $R_2=0$ $R_3=0$ $R_4=0$ $R_5=0$ $R_6=0$ $R_7=0$

$R_8=0$ $R_9=0$ $R_{10}=0$ $R_{11}=0$ $R_{12}=0$ $R_{13}=0$ $R_{14}=38$ $R_{15}=0$

LEVEL:OUT

TLCI Parameters: $TLCI = 3.0$

Photometric & Radiometric Parameters

Flux = 463.10 lm Eff. : 55.26 lm/W $Fe = 967.49 mW$

EEL: 0.20130 A

EEC: 55.3 G

Electrical parameters

$V = 24.00 V$ $I = 0.3492 A$ $P = 8.380 W$ $PF = 1.000$

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012120TC4SC5 B
Sample No. : 10105-0623-00
Manufacturer : iPixel LED

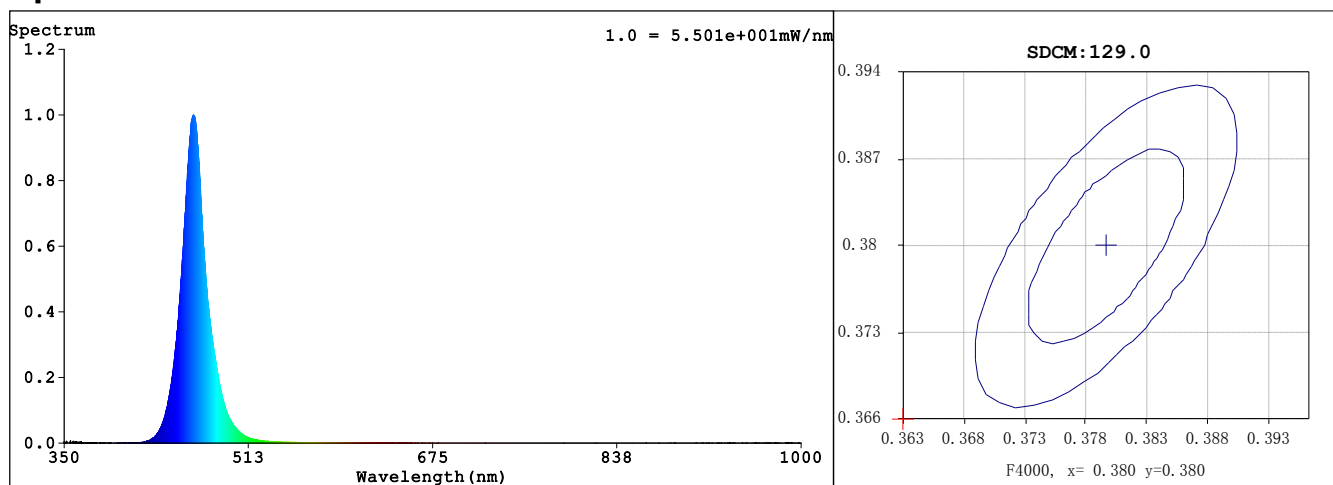
Date : 2025-03-15
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 50623 (77%)
T : 119 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1360$ $y = 0.0587$ / $u' = 0.1585$ $v' = 0.1538$ ($duv = -1.65e-01$)

CCT>=100000K Prcp WL: Ld=467.9nm Purity=96.7%

Peak WL: Lp=464nm FWHM: =21.8nm Ratio:R=0.6% G=15.9% B=83.5%

Render Index: Ra = 0.7 TM30:Rf=0 Rg=-104

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 = 1.0

Photometric & Radiometric Parameters

Flux = 100.10 lm Eff. : 12.14 lm/W Fe = 1.4991 W

EEL: 0.60145 C

EEC: 12.1 G

Electrical parameters

V = 24.00 V I = 0.3436 A P = 8.246 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012120TC4SC5 Mixed
Sample No. : 10105-0623-00
Manufacturer : iPixel LED

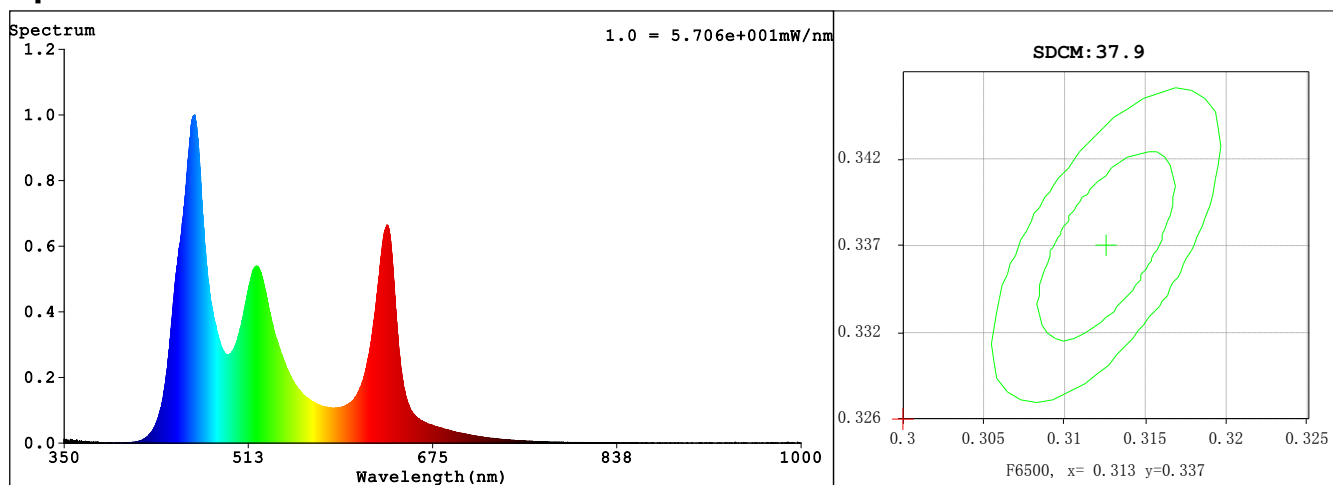
Date : 2025-03-15
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 52546 (80%)
T : 119 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2614$ $y = 0.2769$ / $u' = 0.1803$ $v' = 0.4297$ ($duv=6.47e-03$)

CCT= 13878K Prpc WL: $L_d=480.7nm$ Purity=29.3%

Peak WL: $L_p=465nm$ FWHM: $=28.5nm$ Ratio:R=18.1% G=70.8% B=11.1%

Render Index: $R_a = 67.1$ TM30:Rf=67 Rg=110

R1 =58 R2 =75 R3 =85 R4 =70 R5 =71 R6 =74 R7 =71

R8 =33 R9 =0 R10=42 R11=64 R12=69 R13=59 R14=89 R15=43

LEVEL:OUT

TLCI Parameters: TLCI = 35.5

Photometric & Radiometric Parameters

Flux = 1081.7 lm Eff. : 40.22 lm/W $Fe = 4.6092 W$

EEI: 0.32819 B

EEC: 40.2 G

Electrical parameters

V = 24.00 V I = 1.121 A P = 26.89 W PF = 1.000

Freq=0.00 Hz

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