

Spectrum Test Report

Sample :
Specification : S012060CC4ST R
Sample No. : 10105-0176-00
Manufacturer : iPixel LED

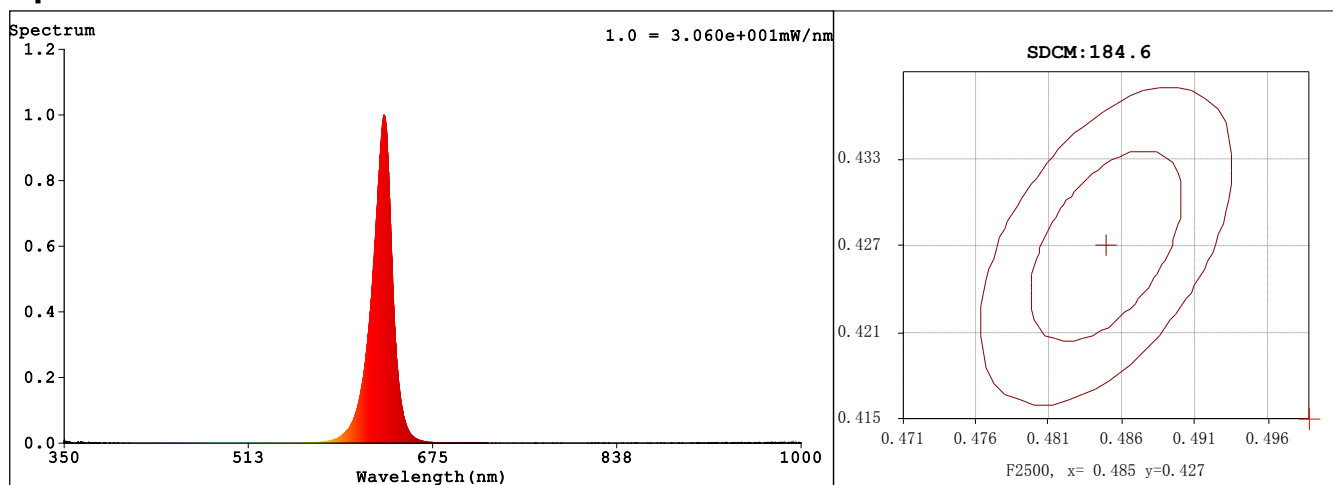
Date : 2024-08-14
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH	: 65.0%
IP	: 50115 (76%)
T	: 203 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6961$ $y = 0.3038$ / $u' = 0.5300$ $v' = 0.5205$ ($duv = -8.25e-02$)

CCT= 1001K Prcp WL: Ld=622.4nm Purity=100.0%

Peak WL: Lp=632nm FWHM: =17.6nm Ratio:R=95.9% G=4.1% B=0.0%

Render Index: Ra = 26.1 TM30:Rf=1 Rg=1577640689585602900000000000000000

R1 =6 R2 =76 R3 =33 R4 =0 R5 =0 R6 =86 R7 =8

R8 =0 R9 =0 R10=69 R11=0 R12=75 R13=28 R14=60 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.4

Photometric & Radiometric Parameters

Flux = 125.76 lm Eff. : 20.66 lm/W Fe = 651.89 mW

EEI: 0.37964 B

EEC: 20.7 G

Electrical parameters

$$V = 24.00 \text{ V} \quad I = 0.2536 \text{ A} \quad P = 6.086 \text{ W} \quad \text{PF} = 1.000$$

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012060CC4ST G
Sample No. : 10105-0176-00
Manufacturer : iPixel LED

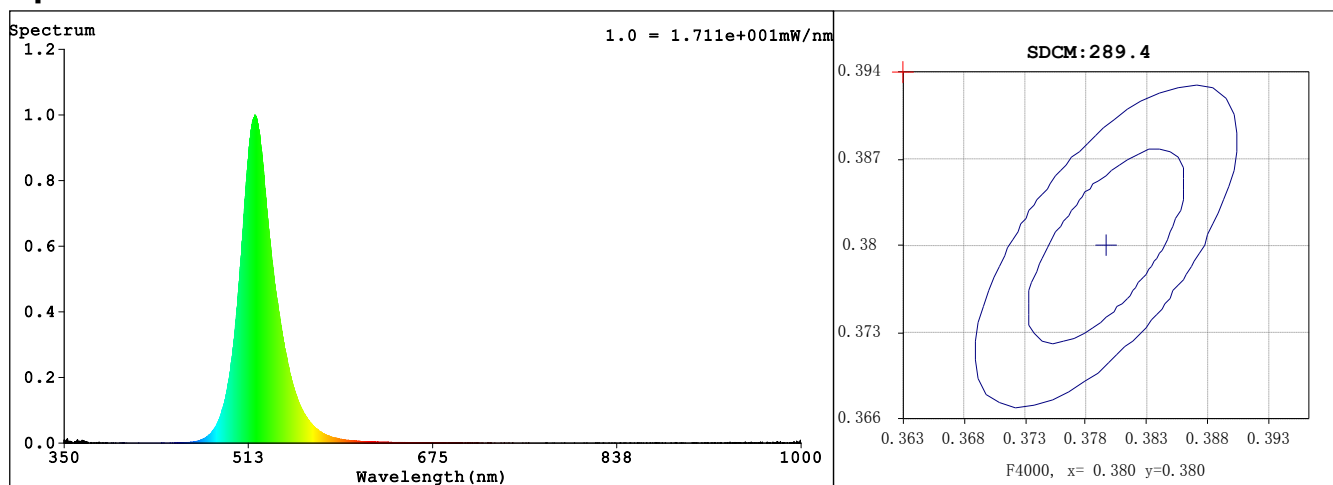
Date : 2024-08-14
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 49552 (76%)
T : 289 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1568$ $y = 0.7252$ / $u' = 0.0551$ $v' = 0.5731$ ($duv=1.61e-01$)

CCT= 8039K Prpc WL: $L_d=524.6nm$ Purity=79.3%

Peak WL: $L_p=518nm$ FWHM: $=30.8nm$ Ratio:R=0.3% G=97.3% B=2.4%

Render Index: $R_a = 0.0$ 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 = 297.26 lm Eff. : 48.46 lm/W Fe = 632.70 mW

EEI: 0.20626 A

EEC: 48.5 G

Electrical parameters

V = 24.00 V I = 0.2556 A P = 6.134 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CC4ST B
Sample No. : 10105-0176-00
Manufacturer : iPixel LED

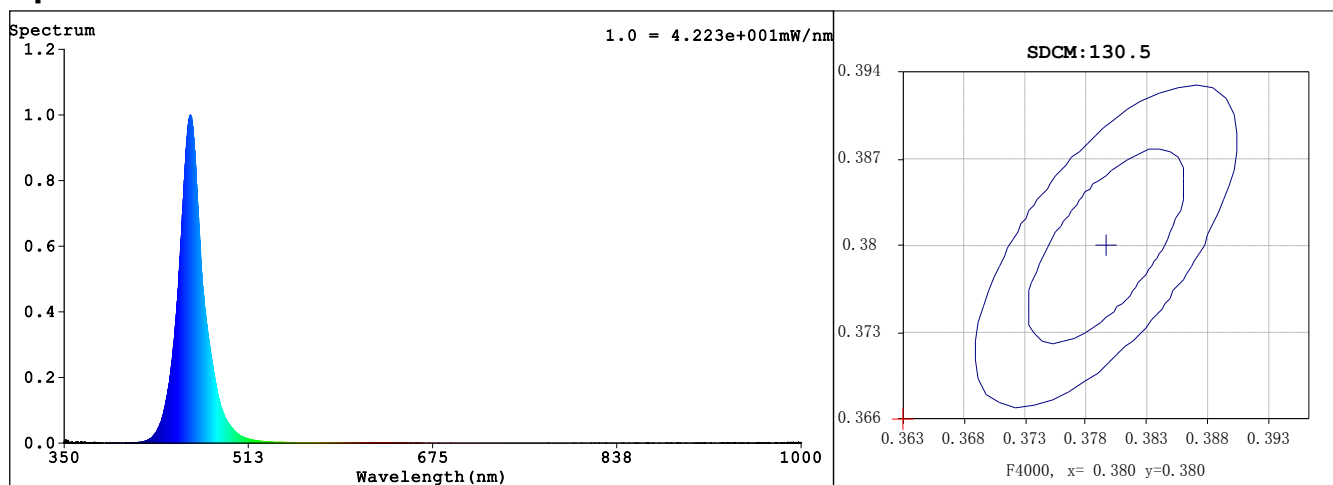
Date : 2024-08-14
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 45441 (69%)
T : 144 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1399$ $y = 0.0499$ / $u' = 0.1686$ $v' = 0.1352$ ($duv = -1.76e-01$)

CCT>=100000K Prcp WL: Ld=465.6nm Purity=97.2%

Peak WL: Lp=461nm FWHM: =20.6nm Ratio:R=0.6% G=14.1% B=85.2%

Render Index: Ra = 0.6 TM30:Rf=0 Rg=81

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 = 65.822 lm Eff. : 10.65 lm/W Fe = 1.1082 W

EEI: 0.59643 B

EEC: 10.6 G

Electrical parameters

V = 24.00 V I = 0.2576 A P = 6.182 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CC4ST 2200±100K
Sample No. : 10105-0176-00
Manufacturer : iPixel LED

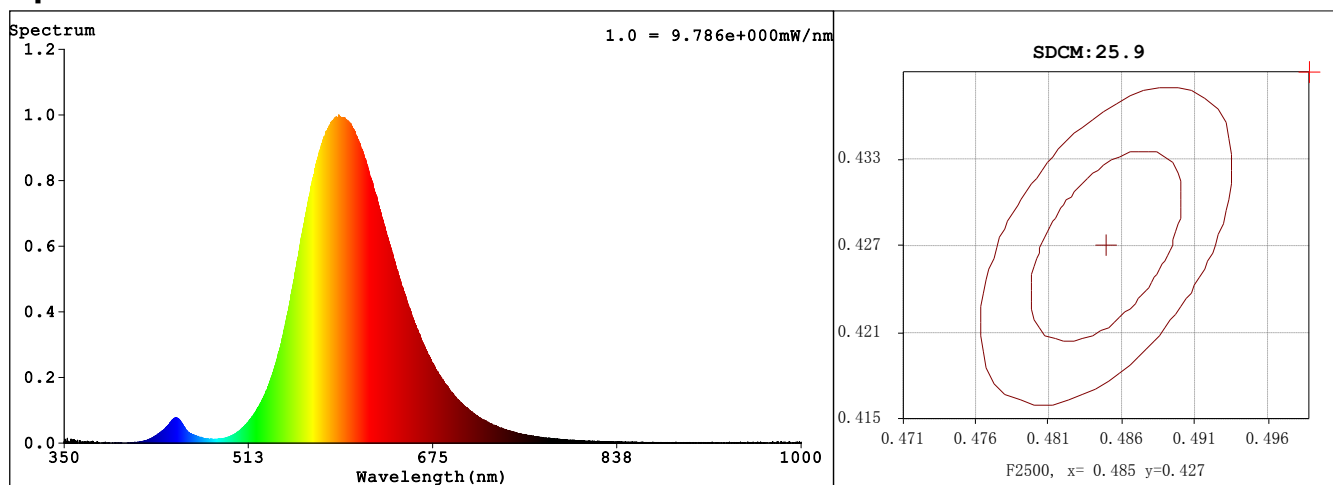
Date : 2024-08-14
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 50292 (77%)
T : 556 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.5281 y = 0.4419 / u' = 0.2915 v' = 0.5488 (duv=8.25e-03)

CCT= 2164K Prcp WL: Ld=585.3nm Purity=91.2%

Peak WL: Lp=592nm FWHM: =93.2nm Ratio:R=25.7% G=74.0% B=0.3%

Render Index: Ra = 51.6 TM30:Rf=63 Rg=73

R1 =43 R2 =69 R3 =95 R4 =35 R5 =37 R6 =52 R7 =68

R8 =14 R9 =0 R10=34 R11=13 R12=6 R13=45 R14=97 R15=37

LEVEL:OUT

TLCI Parameters: TLCI = 25.2

Photometric & Radiometric Parameters

Flux = 382.13 lm Eff. : 62.18 lm/W Fe = 1.0426 W

EEL: 0.17107 A

EEC: 62.2 G

Electrical parameters

V = 24.00 V I = 0.2561 A P = 6.146 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CC4ST Mixed
Sample No. : 10105-0176-00
Manufacturer : iPixel LED

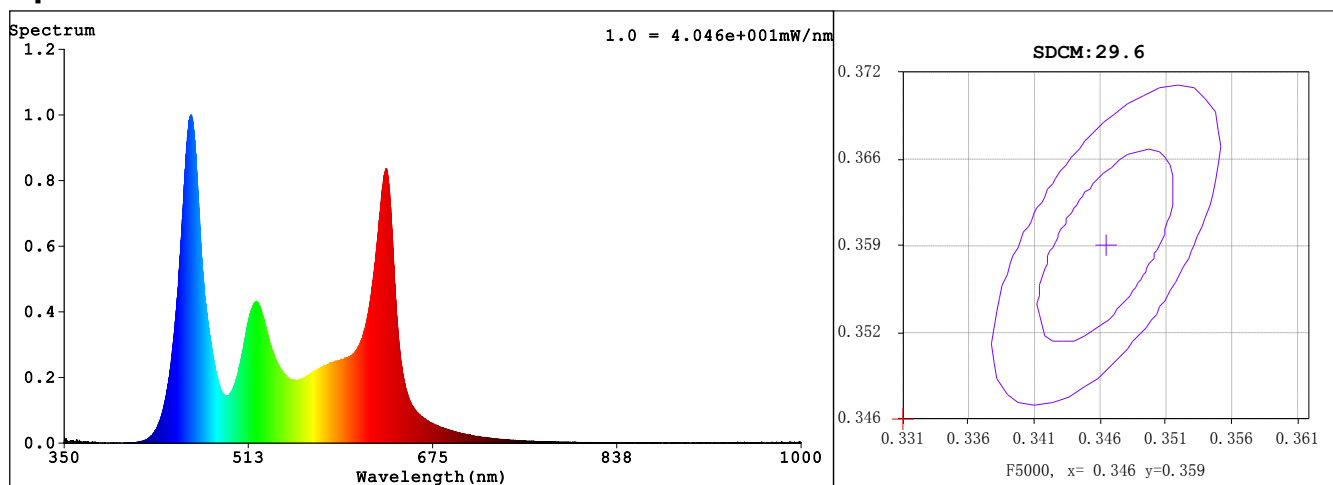
Date : 2024-08-14
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 42210 (64%)
T : 139 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3263$ $y = 0.2897$ / $u' = 0.2241$ $v' = 0.4477$ ($duv = -2.60e-02$)

CCT= 5904K Prcp WL: $L_d = 560.9nm$ Purity=15.3%

Peak WL: $L_p = 462nm$ FWHM: $= 21.7nm$ Ratio: R=24.2% G=68.2% B=7.6%

Render Index: $R_a = 60.4$ TM30: $R_f = 77$ $R_g = 117$

R1 =45 R2 =65 R3 =91 R4 =56 R5 =50 R6 =55 R7 =83

R8 =37 R9 =0 R10=29 R11=42 R12=46 R13=47 R14=92 R15=36

LEVEL:OUT

TLCI Parameters: TLCI = 75.0

Photometric & Radiometric Parameters

Flux = 837.68 lm Eff. : 44.90 lm/W $Fe = 3.3152 W$

EEI: 0.28048 B

EEC: 44.9 G

Electrical parameters

V = 24.00 V I = 0.7774 A P = 18.66 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CC4ST R
Sample No. : 10105-0935-00
Manufacturer : iPixel LED

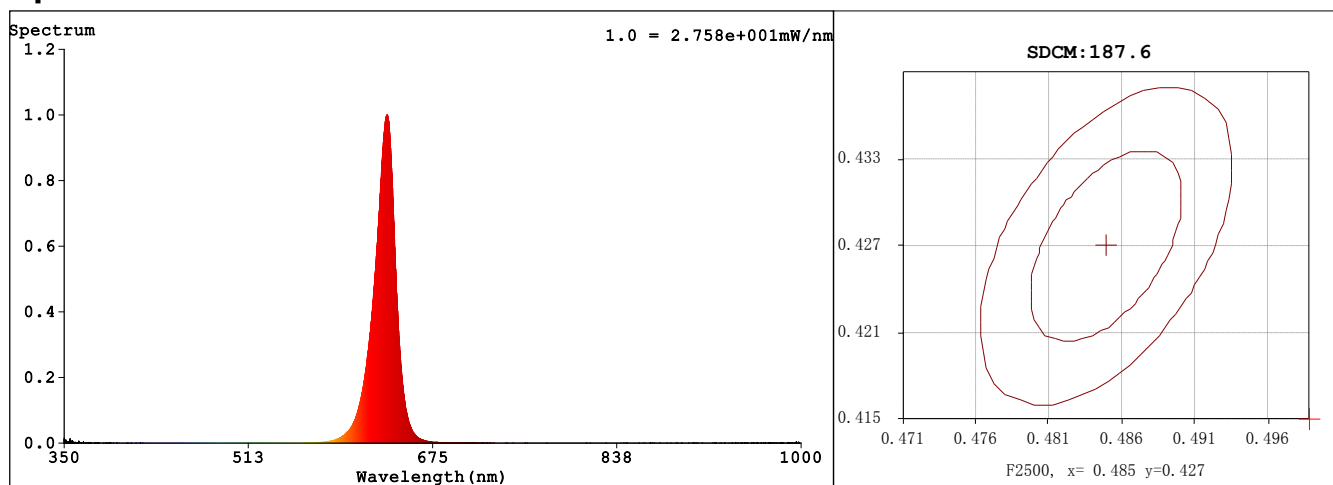
Date : 2025-10-07
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 53557 (82%)
T : 260 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6989$ $y = 0.3008$ / $u' = 0.5364$ $v' = 0.5195$ ($duv = -8.89e-02$)

CCT= 1001K Prcp WL: Ld=624.1nm Purity=99.9%

Peak WL: Lp=635nm FWHM: =18.8nm Ratio:R=96.4% G=3.6% B=0.0%

Render Index: Ra = 27.0 TM30:Rf=1 Rg=2086139416002544300000000000000000

R1 =7 R2 =78 R3 =33 R4 =0 R5 =2 R6 =88 R7 =9

R8 =0 R9 =0 R10=72 R11=0 R12=80 R13=30 R14=60 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.9

Photometric & Radiometric Parameters

Flux = 110.25 lm Eff. : 18.37 lm/W Fe = 621.24 mW

EEI: 0.40991 B

EEC: 18.4 G

Electrical parameters

V = 24.00 V I = 0.2501 A P = 6.002 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012060CC4ST G
Sample No. : 10105-0935-00
Manufacturer : iPixel LED

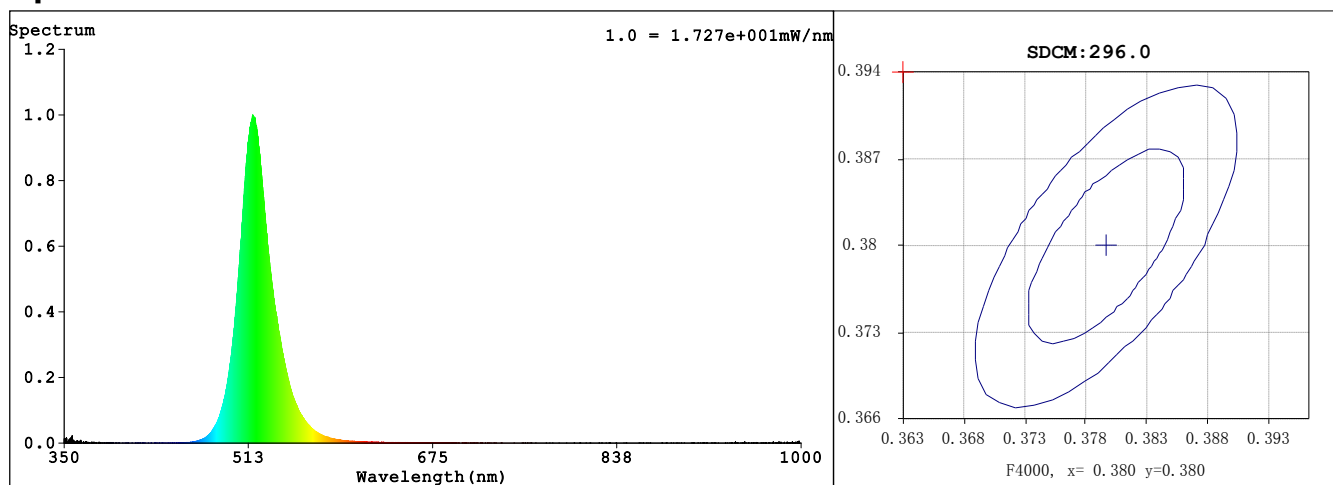
Date : 2025-10-07
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 39696 (61%)
T : 260 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1437$ $y = 0.7235$ / $u' = 0.0504$ $v' = 0.5715$ ($duv=1.65e-01$)

CCT= 8278K Prpc WL: Ld=522.1nm Purity=78.1%

Peak WL: Lp=516nm FWHM: =29.2nm Ratio:R=0.3% G=96.9% B=2.9%

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 = 2.7

Photometric & Radiometric Parameters

Flux = 278.83 lm Eff. : 45.53 lm/W Fe = 613.43 mW

EEI: 0.21597 A

EEC: 45.5 G

Electrical parameters

V = 24.00 V I = 0.2552 A P = 6.124 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CC4ST B
Sample No. : 10105-0935-00
Manufacturer : iPixel LED

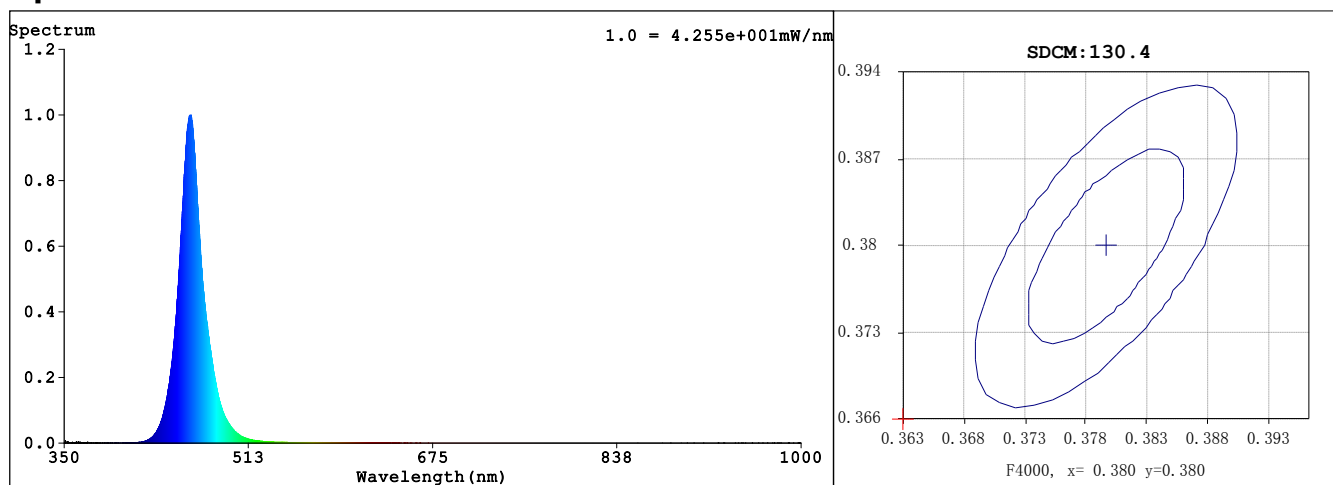
Date : 2025-10-07
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 53600 (82%)
T : 187 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1398$ $y = 0.0501$ / $u' = 0.1684$ $v' = 0.1358$ ($duv = -1.76e-01$)

CCT>=100000K Prcp WL: Ld=465.7nm Purity=97.2%

Peak WL: Lp=462nm FWHM: =21.1nm Ratio:R=0.6% G=14.2% B=85.1%

Render Index: Ra = 0.7 TM30:Rf=0 Rg=83

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 = 66.918 lm Eff. : 10.87 lm/W Fe = 1.1207 W

EEI: 0.58771 B

EEC: 10.9 G

Electrical parameters

V = 24.00 V I = 0.2566 A P = 6.158 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012060CC4ST 6500±400K
Sample No. : 10105-0935-00
Manufacturer : iPixel LED

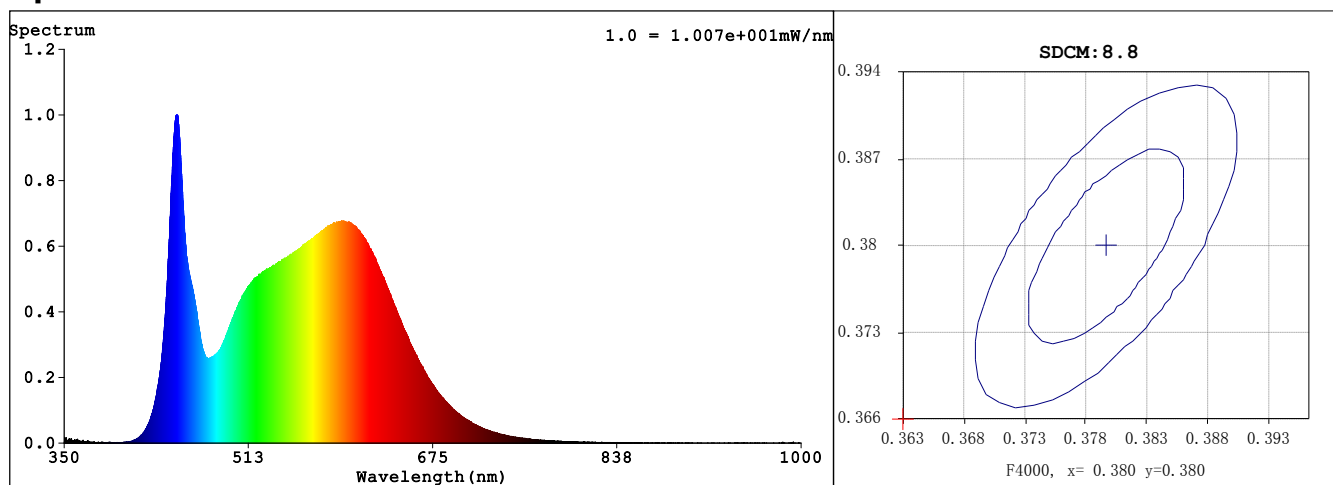
Date : 2025-10-07
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 53184 (81%)
T : 877 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3613$ $y = 0.3618$ / $u' = 0.2183$ $v' = 0.4919$ ($duv = -1.03e-03$)

CCT= 4475K Prpc WL: $L_d = 577.8\text{nm}$ Purity=17.0%

Peak WL: $L_p = 450\text{nm}$ FWHM: $=20.3\text{nm}$ Ratio: R=17.6% G=78.1% B=4.3%

Render Index: $R_a = 86.2$ TM30: $R_f = 85$ $R_g = 97$

R1 =85 R2 =91 R3 =95 R4 =86 R5 =85 R6 =87 R7 =88

R8 =71 R9 =22 R10=79 R11=86 R12=65 R13=87 R14=97 R15=80

LEVEL:OUT

TLCI Parameters: TLCI = 71.8

Photometric & Radiometric Parameters

Flux = 412.75 lm Eff. : 68.04 lm/W $F_e = 1.2921\text{ W}$

EEL: 0.15922 A+

EEC: 68.0 G

Electrical parameters

V = 24.00 V I = 0.2528 A P = 6.067 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CC4ST Mixed
Sample No. : 10105-0935-00
Manufacturer : iPixel LED

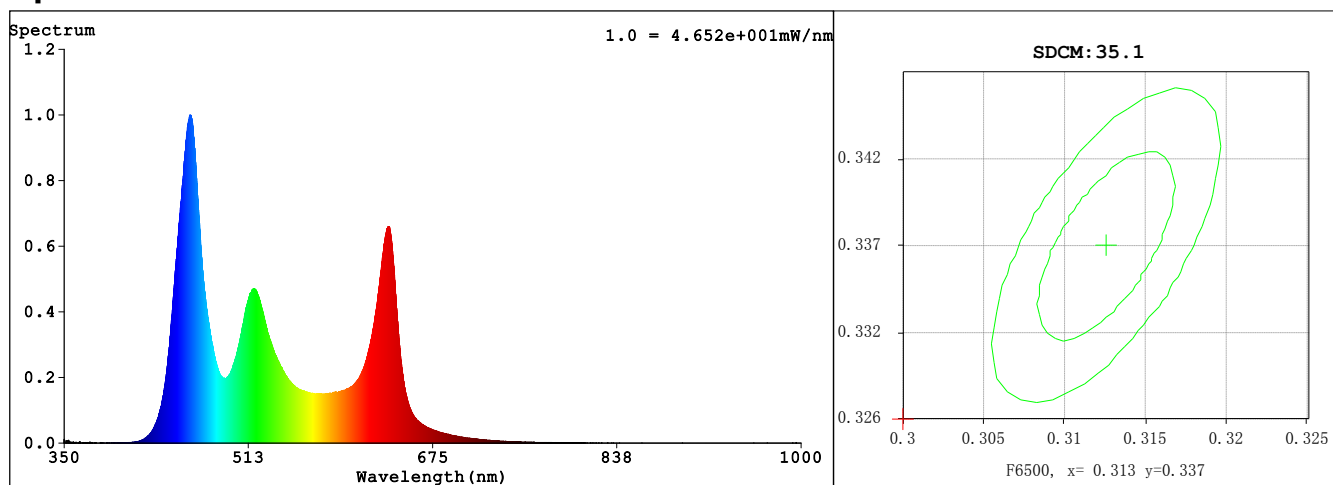
Date : 2025-10-07
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 53487 (82%)
T : 171 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2797$ $y = 0.2687$ / $u' = 0.1975$ $v' = 0.4269$ ($duv = -1.02e-02$)

CCT= 11663K Prpc WL: $L_d = 472.7\text{nm}$ Purity=24.7%

Peak WL: $L_p = 461\text{nm}$ FWHM: $=25.3\text{nm}$ Ratio: R=20.2% G=70.1% B=9.7%

Render Index: $R_a = 62.0$ TM30: $R_f = 71$ $R_g = 115$

R1 =47 R2 =71 R3 =88 R4 =58 R5 =59 R6 =69 R7 =75

R8 =29 R9 =0 R10=35 R11=46 R12=63 R13=51 R14=89 R15=35

LEVEL:OUT

TLCI Parameters: TLCI = 49.3

Photometric & Radiometric Parameters

Flux = 849.39 lm Eff. : 45.71 lm/W $Fe = 3.5722\text{ W}$

EEI: 0.27624 B

EEC: 45.7 G

Electrical parameters

V = 24.00 V I = 0.7743 A P = 18.58 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CB4ST R
Sample No. : 10105-0986-00
Manufacturer : iPixel LED

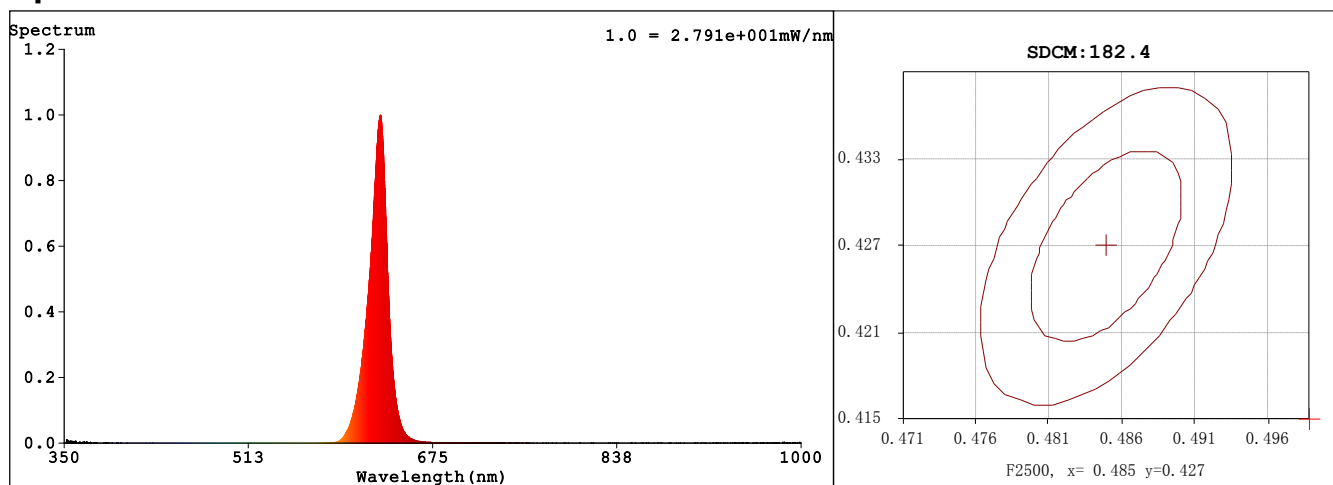
Date : 2026-04-01
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 53594 (82%)
T : 266 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.6939 y = 0.3057 / u' = 0.5256 v' = 0.5210 (duv=-7.80e-02)

CCT= 1001K Prpc WL: Ld=621.3nm Purity=99.9%

Peak WL: Lp=629nm FWHM: =16.3nm Ratio:R=98.2% G=1.8% B=0.0%

Render Index: Ra = 24.0 TM30:Rf=1 Rg=5541341480251576300000000000000000

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=55 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.6

Photometric & Radiometric Parameters

Flux = 117.40 lm Eff. : 18.94 lm/W Fe = 553.24 mW

EEI: 0.40556 B

EEC: 18.9 G

Electrical parameters

V = 12.00 V I = 0.5167 A P = 6.200 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012060CB4ST G
Sample No. : 10105-0986-00
Manufacturer : iPixel LED

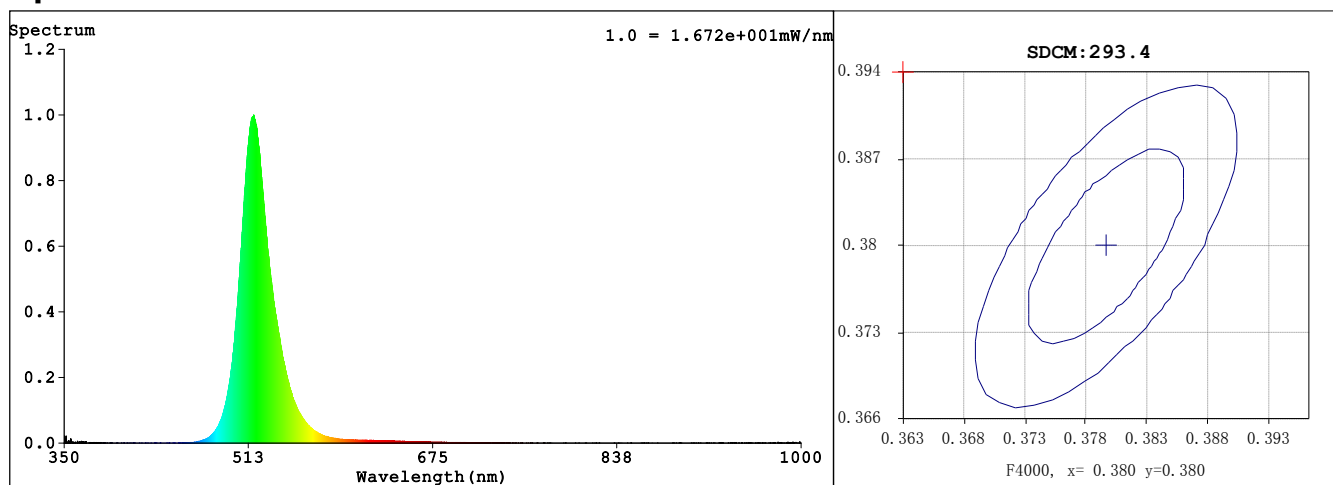
Date : 2026-04-01
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 52601 (80%)
T : 375 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1509$ $y = 0.7265$ / $u' = 0.0529$ $v' = 0.5727$ ($duv=1.63e-01$)

CCT= 8133K Prpc WL: Ld=523.6nm Purity=79.2%

Peak WL: Lp=517nm FWHM: =28.2nm Ratio:R=0.6% G=97.0% B=2.3%

Render Index: Ra = 0.0 TM30:Rf=2 Rg=8

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=34 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.6

Photometric & Radiometric Parameters

Flux = 265.08 lm Eff. : 42.60 lm/W Fe = 578.85 mW

EEI: 0.22780 A

EEC: 42.6 G

Electrical parameters

V = 12.00 V I = 0.5186 A P = 6.223 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012060CB4ST B
Sample No. : 10105-0986-00
Manufacturer : iPixel LED

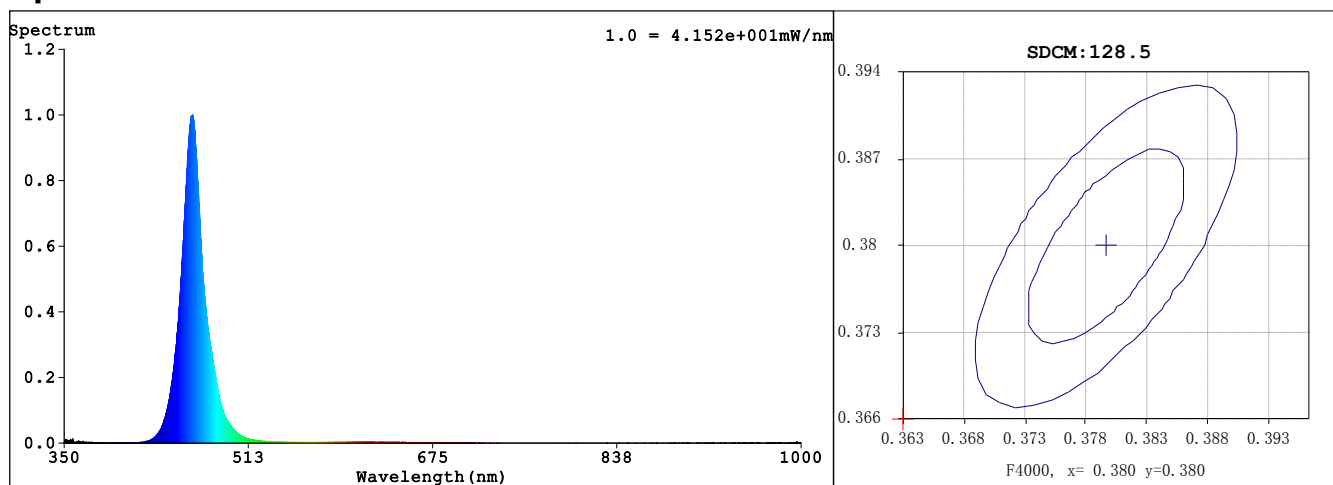
Date : 2026-04-01
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 50170 (77%)
T : 187 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1406$ $y = 0.0568$ / $u' = 0.1654$ $v' = 0.1504$ ($duv = -1.66e-01$)

CCT>=100000K Prcp WL: Ld=466.6nm Purity=95.8%

Peak WL: Lp=463nm FWHM: =19.5nm Ratio:R=2.4% G=17.4% B=80.2%

Render Index: Ra = 4.6 TM30:Rf=0 Rg=-266

R1 =13 R2 =0 R3 =0 R4 =0 R5 =24 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=20

LEVEL:OUT

TLCI Parameters: TLCI = 1.9

Photometric & Radiometric Parameters

Flux = 69.529 lm Eff. : 11.13 lm/W Fe = 1.0566 W

EEI: 0.58148 B

EEC: 11.1 G

Electrical parameters

V = 12.00 V I = 0.5207 A P = 6.248 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012060CB4ST 3000±300K
Sample No. : 10105-0986-00
Manufacturer : iPixel LED

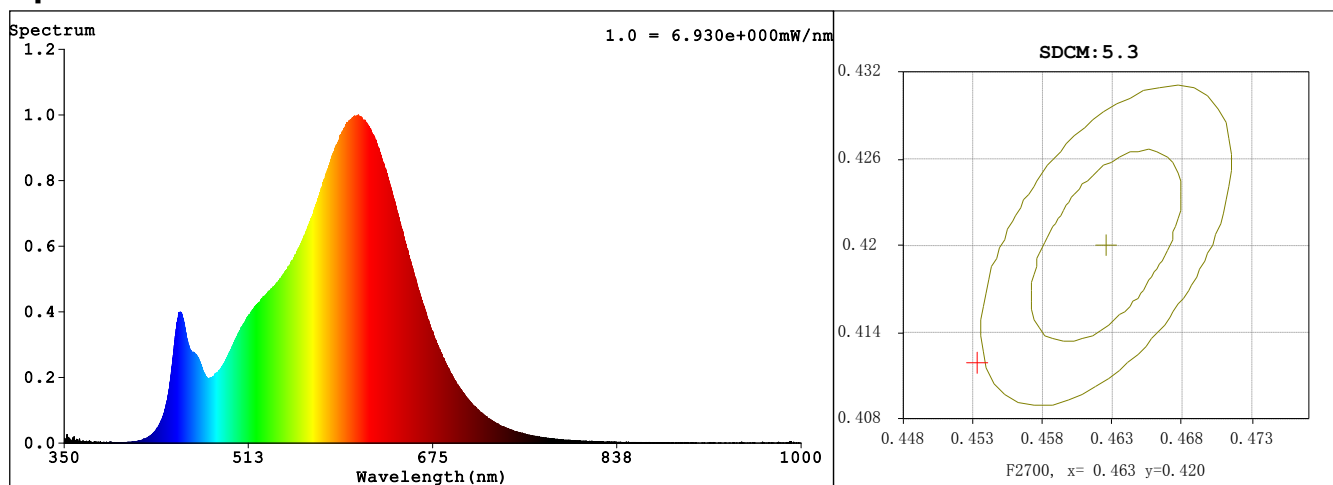
Date : 2026-04-01
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 53191 (81%)
T : 982 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4538 y = 0.4116 / u' = 0.2581 v' = 0.5268 (duv=9.33e-04)

CCT= 2795K Prpc WL: Ld=583.4nm Purity=59.8%

Peak WL: Lp=609nm FWHM: =119.8nm Ratio:R=24.8% G=72.7% B=2.6%

Render Index: Ra = 84.9 TM30:Rf=86 Rg=95

R1 =84 R2 =94 R3 =95 R4 =83 R5 =85 R6 =94 R7 =83

R8 =61 R9 =16 R10=86 R11=84 R12=78 R13=87 R14=98 R15=76

LEVEL:OUT

TLCI Parameters: TLCI = 74.3

Photometric & Radiometric Parameters

Flux = 320.05 lm Eff. : 51.48 lm/W Fe = 992.98 mW

EEL: 0.19782 A

EEC: 51.5 G

Electrical parameters

V = 12.00 V I = 0.5181 A P = 6.217 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012060CB4ST Mixed
Sample No. : 10105-0986-00
Manufacturer : iPixel LED

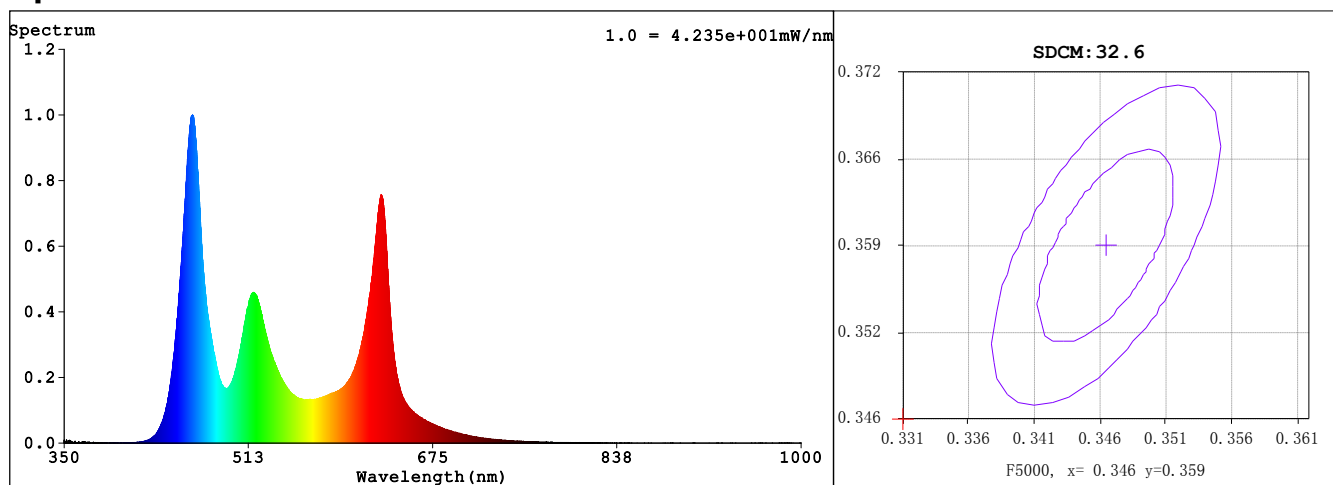
Date : 2026-04-01
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 53807 (82%)
T : 196 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3044$ $y = 0.2805$ / $u' = 0.2115$ $v' = 0.4385$ ($duv = -1.92e-02$)

CCT= 7872K Prpc WL: $L_d = 447.2\text{nm}$ Purity=16.6%

Peak WL: $L_p = 463\text{nm}$ FWHM: $= 21.1\text{nm}$ Ratio: R=24.8% G=65.9% B=9.2%

Render Index: $R_a = 49.2$ TM30: $R_f = 66$ $R_g = 116$

R1 =29 R2 =57 R3 =84 R4 =42 R5 =41 R6 =48 R7 =72

R8 =21 R9 =0 R10=6 R11=26 R12=44 R13=33 R14=87 R15=20

LEVEL:OUT

TLCI Parameters: TLCI = 45.2

Photometric & Radiometric Parameters

Flux = 752.98 lm Eff. : 39.99 lm/W $F_e = 3.1062\text{ W}$

EEI: 0.30845 B

EEC: 40.0 G

Electrical parameters

V = 12.00 V I = 1.569 A P = 18.83 W PF = 1.000

Freq=0.00 Hz

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