

Spectrum Test Report

Sample :
Specification : S012896ZC4PZ G
Sample No. : 10106-0461-00
Manufacturer : iPixel LED

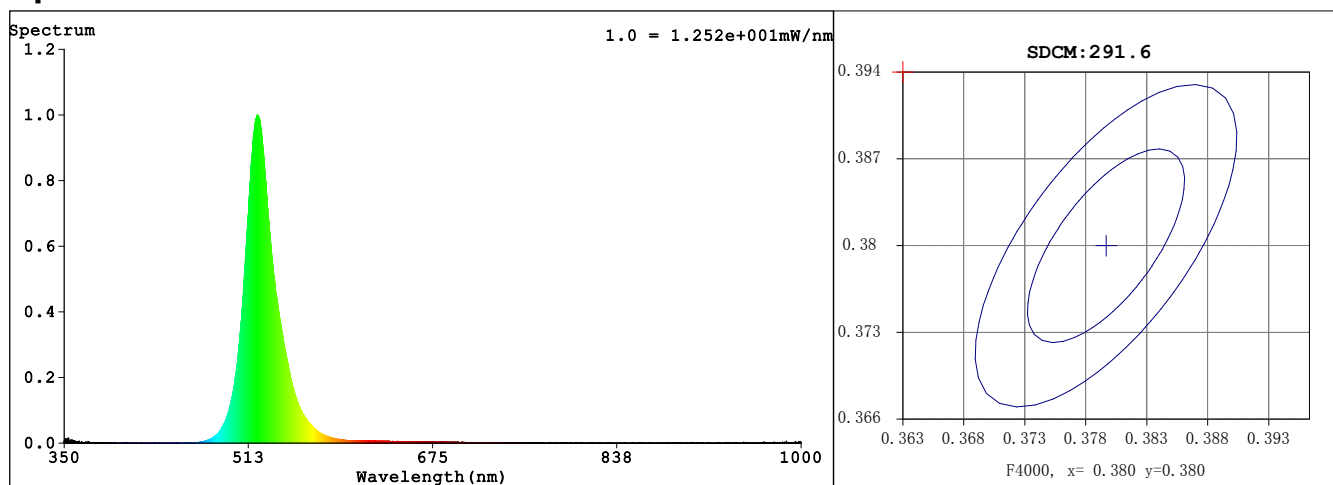
Date : 2024-04-13
Sam. Status : 0.5M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 50371 (77%)
T : 368 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1670$ $y = 0.7415$ / $u' = 0.0578$ $v' = 0.5771$ ($duv=1.60e-01$)

CCT= 7788K Prpc WL: Ld=527.7nm Purity=84.6%

Peak WL: Lp=521nm FWHM: =26.6nm Ratio:R=0.5% G=98.2% 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=33 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.0

Photometric & Radiometric Parameters

Flux = 205.43 lm Eff. : 109.33 lm/W Fe = 417.22 mW

EEL: 0.08285 A++ Highest

EEC: 109.3 F

Electrical parameters

V = 24.00 V I = 0.07830 A P = 1.879 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012896ZC4PZ R
Sample No. : 10106-0461-00
Manufacturer : iPixel LED

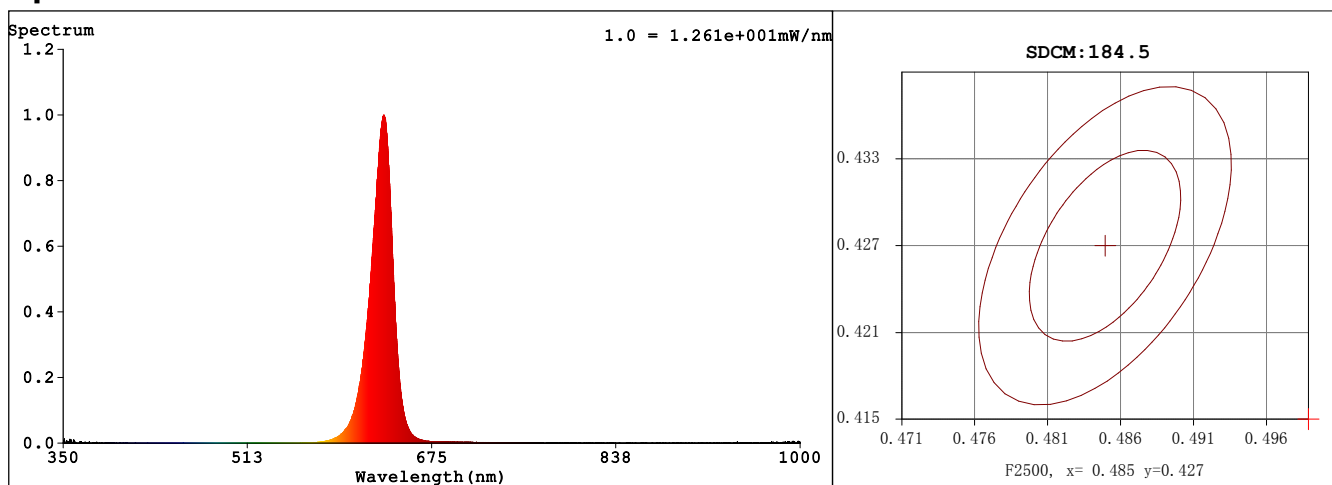
Date : 2024-04-13
Sam. Status : 0.5M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 40338 (62%)
T : 368 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6960$ $y = 0.3039$ / $u' = 0.5298$ $v' = 0.5205$ ($duv = -8.22e-02$)

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

Peak WL: $L_p = 633nm$ FWHM: $= 20.3nm$ Ratio: $R = 95.8\%$ $G = 4.2\%$ $B = -0.0\%$

Render Index: $R_a = 26.7$ TM30: $R_f = 1$ $R_g = 2136845440011673500000000000000000$

$R_1 = 6$ $R_2 = 77$ $R_3 = 33$ $R_4 = 0$ $R_5 = 1$ $R_6 = 86$ $R_7 = 9$

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

LEVEL:OUT

TLCI Parameters: TLCI = 3.6

Photometric & Radiometric Parameters

Flux = 56.797 lm Eff. : 28.62 lm/W $F_e = 300.50 mW$

EEI: 0.21079 A

EEC: 28.6 G

Electrical parameters

$V = 24.00 V$ $I = 0.08270 A$ $P = 1.985 W$ PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012896ZC4PZ B
Sample No. : 10106-0461-00
Manufacturer : iPixel LED

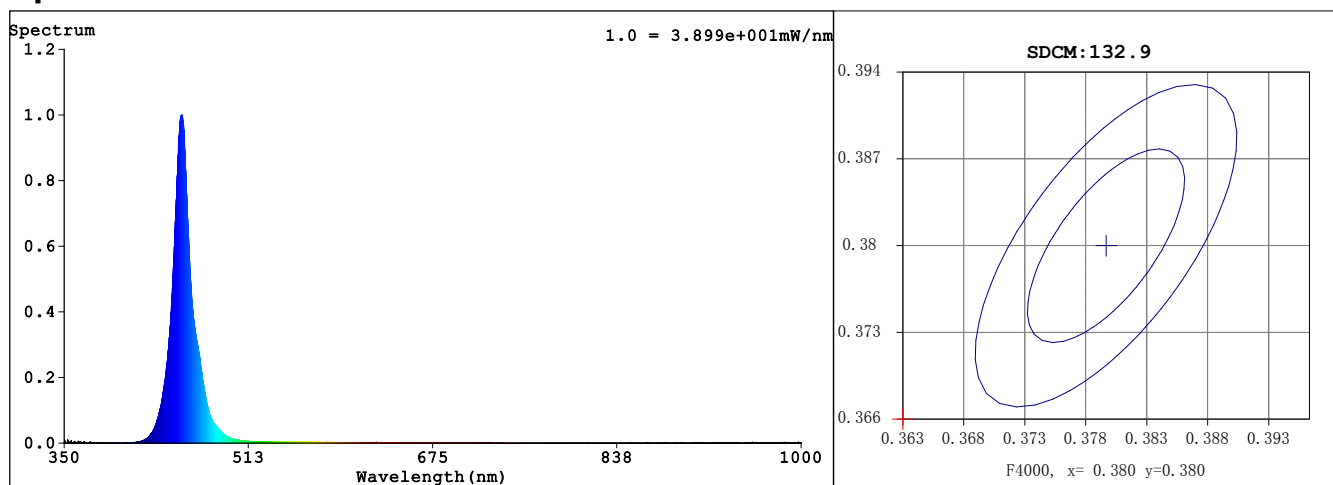
Date : 2024-04-13
Sam. Status : 0.5M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 53432 (82%)
T : 184 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1519$ $y = 0.0351$ / $u' = 0.1949$ $v' = 0.1014$ ($duv = -1.99e-01$)

CCT $\geq 100000K$ Prcp WL: $L_d = 458.1nm$ Purity = 97.3%

Peak WL: $L_p = 454nm$ FWHM: $= 15.6nm$ Ratio: $R = 2.7\%$ $G = 18.0\%$ $B = 79.3\%$

Render Index: $R_a = 5.9$ TM30: $R_f = 0$ $R_g = 48$

$R_1 = 19$ $R_2 = 0$ $R_3 = 0$ $R_4 = 0$ $R_5 = 28$ $R_6 = 0$ $R_7 = 0$

$R_8 = 0$ $R_9 = 0$ $R_{10} = 0$ $R_{11} = 0$ $R_{12} = 0$ $R_{13} = 0$ $R_{14} = 0$ $R_{15} = 28$

LEVEL: OUT

TLCI Parameters: TLCI = 1.7

Photometric & Radiometric Parameters

Flux = 38.523 lm Eff. : 16.95 lm/W $F_e = 838.88 mW$

EEL: 0.30922 B

EEC: 17.0 G

Electrical parameters

$V = 24.00 V$ $I = 0.09470 A$ $P = 2.273 W$ PF = 1.000

Freq = 0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012896ZC4PZ 6500±400K
Sample No. : 10106-0461-00
Manufacturer : iPixel LED

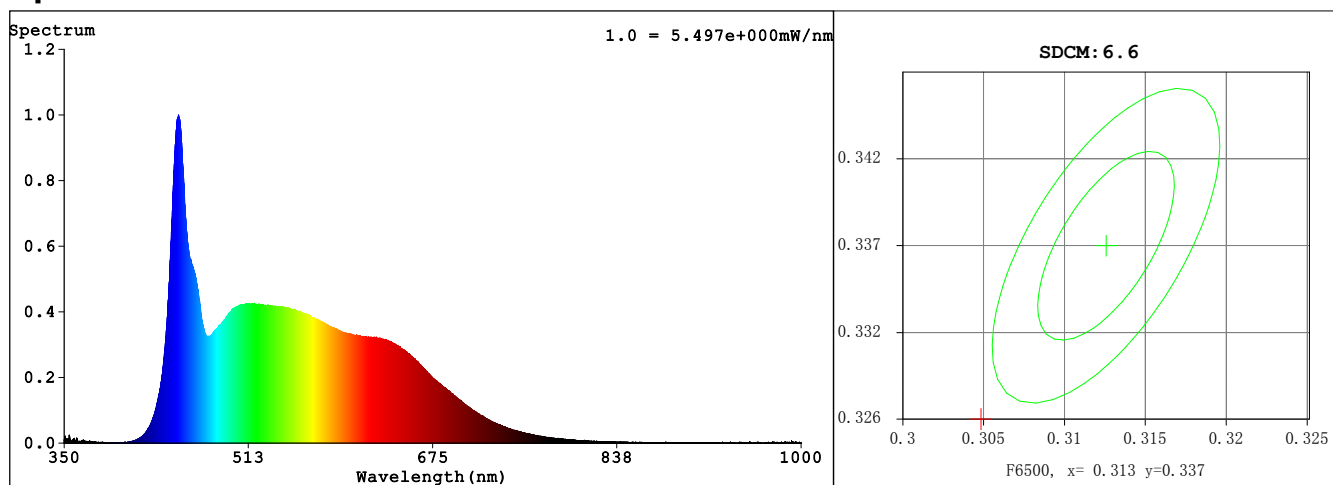
Date : 2024-04-13
Sam. Status : 0.5M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 49430 (75%)
T : 1249 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3053$ $y = 0.3246$ / $u' = 0.1943$ $v' = 0.4649$ ($duv=4.79e-03$)

CCT= 6967K Prpc WL: $L_d=487.6nm$ Purity=10.1%

Peak WL: $L_p=451nm$ FWHM: $=23.5nm$ Ratio:R=14.6% G=78.2% B=7.2%

Render Index: $R_a = 95.3$ TM30:Rf=93 Rg=99

R1 =95 R2 =98 R3 =98 R4 =94 R5 =94 R6 =94 R7 =96

R8 =93 R9 =84 R10=94 R11=95 R12=70 R13=96 R14=99 R15=94

LEVEL:OUT

TLCI Parameters: TLCI = 97.9

Photometric & Radiometric Parameters

Flux = 152.95 lm Eff. : 74.46 lm/W $Fe = 571.06 mW$

EEL: 0.11178 A+

EEC: 74.5 G

Electrical parameters

V = 24.00 V I = 0.08560 A P = 2.054 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012896ZC4PZ Mixed
Sample No. : 10106-0461-00
Manufacturer : iPixel LED

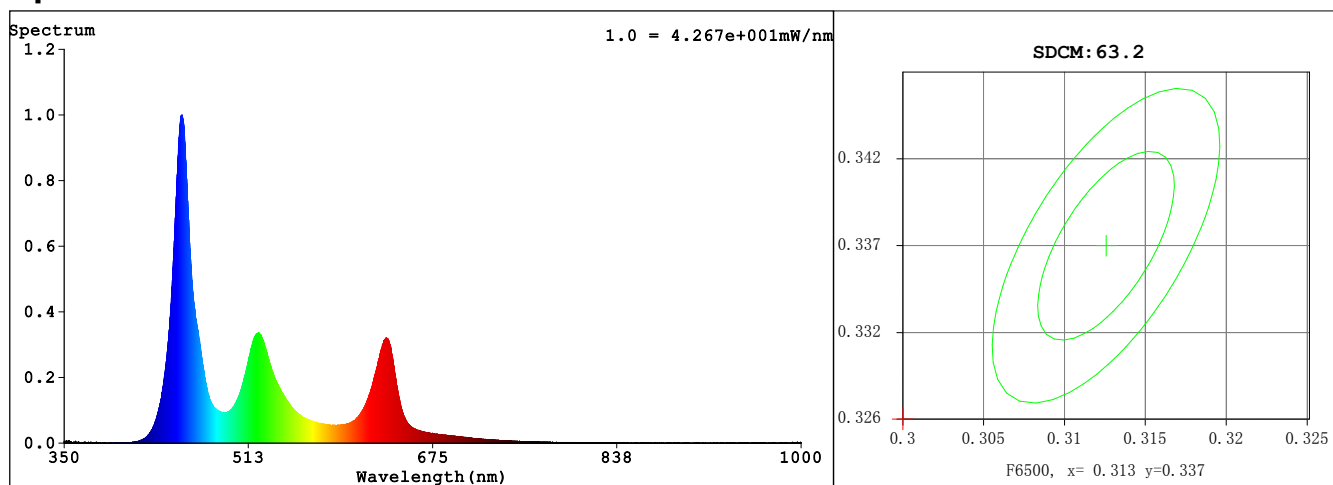
Date : 2024-04-13
Sam. Status : 0.5M
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 49559 (76%)
T : 156 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2367$ $y = 0.2207$ / $u' = 0.1830$ $v' = 0.3839$ ($duv = -1.03e-02$)

CCT $\geq 100000K$ Prcp WL: $L_d = 473.6nm$ Purity=44.0%

Peak WL: $L_p = 454nm$ FWHM: $= 17.0nm$ Ratio: R=16.7% G=73.1% B=10.2%

Render Index: $R_a = 73.8$ TM30: $R_f = 72$ $R_g = 119$

R1 =63 R2 =85 R3 =82 R4 =71 R5 =77 R6 =88 R7 =82

R8 =43 R9 =0 R10=71 R11=55 R12=63 R13=66 R14=87 R15=46

LEVEL:OUT

TLCI Parameters: TLCI = 41.4

Photometric & Radiometric Parameters

Flux = 442.81 lm Eff. : 53.39 lm/W $Fe = 2.0953 W$

EEI: 0.20623 A

EEC: 53.4 G

Electrical parameters

V = 24.00 V I = 0.3456 A P = 8.294 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012840ZC5PZ 2700K
Sample No. : 10106-0164-00
Manufacturer : iPixel LED

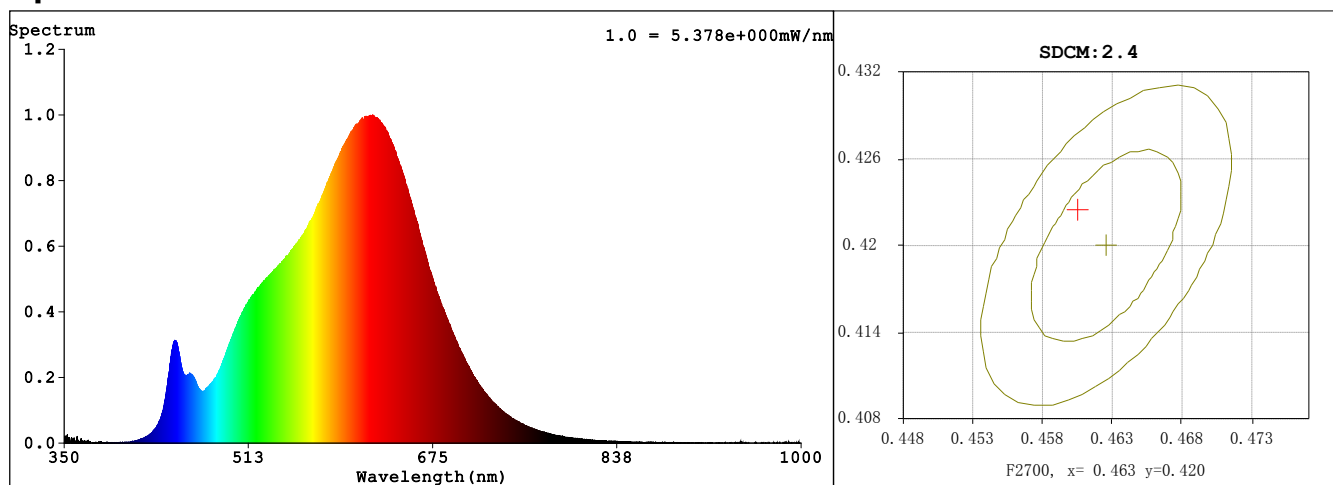
Date : 2026-07-03
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WXX

Test Condition

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

RH : 65.0%
IP : 50667 (77%)
T : 1241 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4610 y = 0.4226 / u' = 0.2579 v' = 0.5320 (duv=4.28e-03)

CCT= 2776K Prpc WL: Ld=582.5nm Purity=65.2%

Peak WL: Lp=622nm FWHM: =147.2nm Ratio:R=25.4% G=72.3% B=2.3%

Render Index: Ra = 91.1 TM30:Rf=92 Rg=95

R1 =90 R2 =94 R3 =99 R4 =92 R5 =90 R6 =95 R7 =91

R8 =77 R9 =47 R10=87 R11=94 R12=82 R13=91 R14=99 R15=84

LEVEL:OUT

TLCI Parameters: TLCI = 88.7

Photometric & Radiometric Parameters

Flux = 255.24 lm Eff. : 79.97 lm/W Fe = 854.26 mW

EEL: 0.12014 A+

EEC: 80.0 G

Electrical parameters

V = 24.00 V I = 0.1330 A P = 3.192 W PF = 1.000

Freq=0.00 Hz

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iPixel LED

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Spectrum Test Report

Sample :
Specification : S012840ZC5PZ G
Sample No. : 10106-0164-00
Manufacturer : iPixel LED

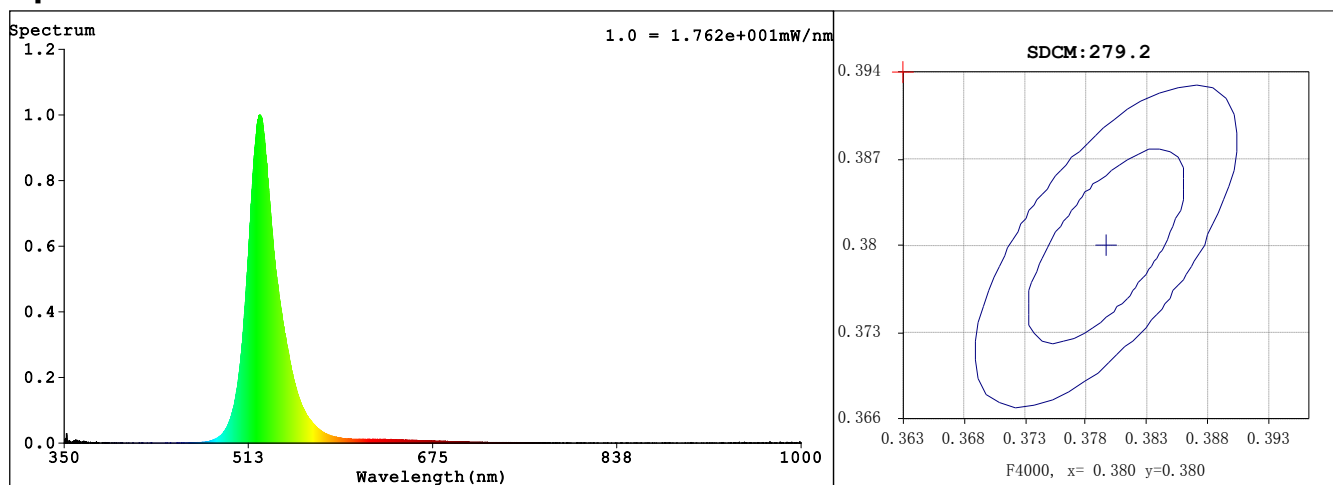
Date : 2026-07-03
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WXX

Test Condition

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

RH : 65.0%
IP : 45793 (70%)
T : 310 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1876$ $y = 0.7395$ / $u' = 0.0653$ $v' = 0.5788$ ($duv=1.54e-01$)

CCT= 7476K Prpc WL: $L_d=531.5nm$ Purity=87.2%

Peak WL: $L_p=523nm$ FWHM: =26.4nm Ratio:R=0.8% G=98.4% B=0.8%

Render Index: $R_a = 0.0$ TM30:Rf=2 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=31 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.1

Photometric & Radiometric Parameters

Flux = 301.57 lm Eff. : 124.54 lm/W Fe = 590.74 mW

EEL: 0.08056 A++ Highest

EEC: 124.5 E

Electrical parameters

V = 24.00 V I = 0.1009 A P = 2.421 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012840ZC5PZ R
Sample No. : 10106-0164-00
Manufacturer : iPixel LED

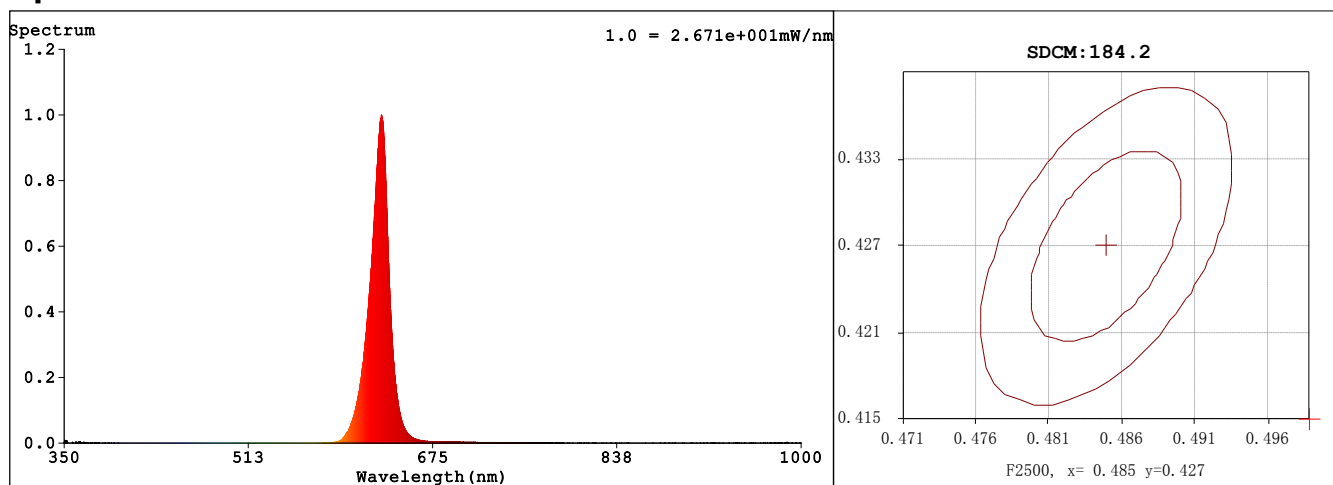
Date : 2026-07-03
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WXX

Test Condition

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

RH	: 65.0%
IP	: 58843 (90%)
T	: 310 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6956$ $y = 0.3041$ / $u' = 0.5292$ $v' = 0.5205$ ($duv = -8.17e-02$)

CCT= 1001K Prcp WL: Ld=622.3nm Purity=99.9%

Peak WL: Lp=630nm FWHM: =16.6nm Ratio:R=98.2% G=1.8% B=0.0%

Render Index: Ra = 24.1 TM30:Rf=1 Rg=1435663822360041200000000000000000

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

R8 =0 R9 =0 R10=71 R11=0 R12=79 R13=27 R14=56 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.7

Photometric & Radiometric Parameters

Flux = 109.31 lm Eff. : 23.17 lm/W Fe = 539.88 mW

EEI: 0.32411 B

EEC: 23.2 G

Electrical parameters

V = 24.00 V I = 0.1966 A P = 4.718 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012840ZC5PZ B
Sample No. : 10106-0164-00
Manufacturer : iPixel LED

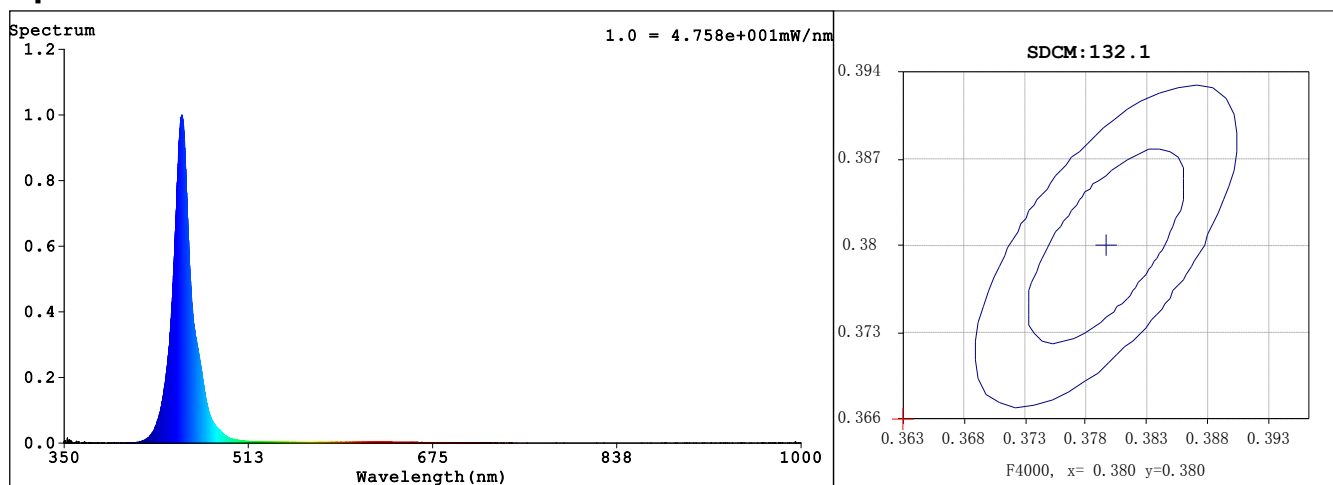
Date : 2026-07-03
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WXX

Test Condition

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

RH : 65.0%
IP : 43184 (66%)
T : 155 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1534$ $y = 0.0370$ / $u' = 0.1956$ $v' = 0.1060$ ($duv = -1.96e-01$)

CCT>=100000K Prcp WL: Ld=457.9nm Purity=96.6%

Peak WL: Lp=454nm FWHM: =15.1nm Ratio:R=4.2% G=20.3% B=75.5%

Render Index: Ra = 9.9 TM30:Rf=0 Rg=34

R1 =38 R2 =0 R3 =0 R4 =0 R5 =42 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=11 R14=0 R15=40

LEVEL:OUT

TLCI Parameters: TLCI = 2.4

Photometric & Radiometric Parameters

Flux = 48.591 lm Eff. : 18.82 lm/W Fe = 1.0060 W

EEL: 0.30324 B

EEC: 18.8 G

Electrical parameters

V = 24.00 V I = 0.1076 A P = 2.582 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : S012840ZC5PZ 6500K
Sample No. : 10106-0164-00
Manufacturer : iPixel LED

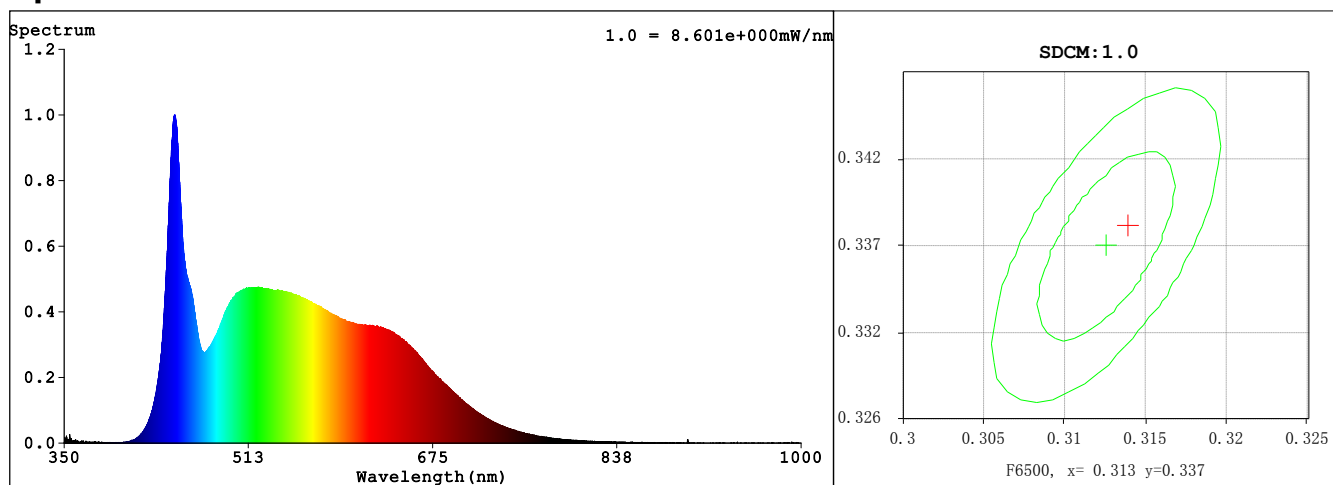
Date : 2026-07-03
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WXX

Test Condition

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

RH : 65.0%
IP : 53454 (82%)
T : 1131 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3144$ $y = 0.3382$ / $u' = 0.1955$ $v' = 0.4734$ ($duv=7.05e-03$)

CCT= 6356K Prcp WL: $L_d=495.0nm$ Purity=6.1%

Peak WL: $L_p=448nm$ FWHM: $=19.5nm$ Ratio: $R=14.6\%$ $G=79.1\%$ $B=6.3\%$

Render Index: $R_a = 92.8$ TM30: $R_f=93$ $R_g=99$

$R_1 = 92$ $R_2 = 93$ $R_3 = 94$ $R_4 = 93$ $R_5 = 92$ $R_6 = 91$ $R_7 = 96$

$R_8 = 91$ $R_9 = 71$ $R_{10} = 85$ $R_{11} = 93$ $R_{12} = 73$ $R_{13} = 92$ $R_{14} = 97$ $R_{15} = 90$

LEVEL:OUT

TLCI Parameters: TLCI = 97.9

Photometric & Radiometric Parameters

Flux = 264.23 lm Eff. : 82.35 lm/W $Fe = 951.70 mW$

EEL: 0.11774 A+

EEC: 82.4 G

Electrical parameters

$V = 24.00 V$ $I = 0.1337 A$ $P = 3.209 W$ PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

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Spectrum Test Report

Sample :
Specification : S012840ZC5PZ Mixed
Sample No. : 10106-0164-00
Manufacturer : iPixel LED

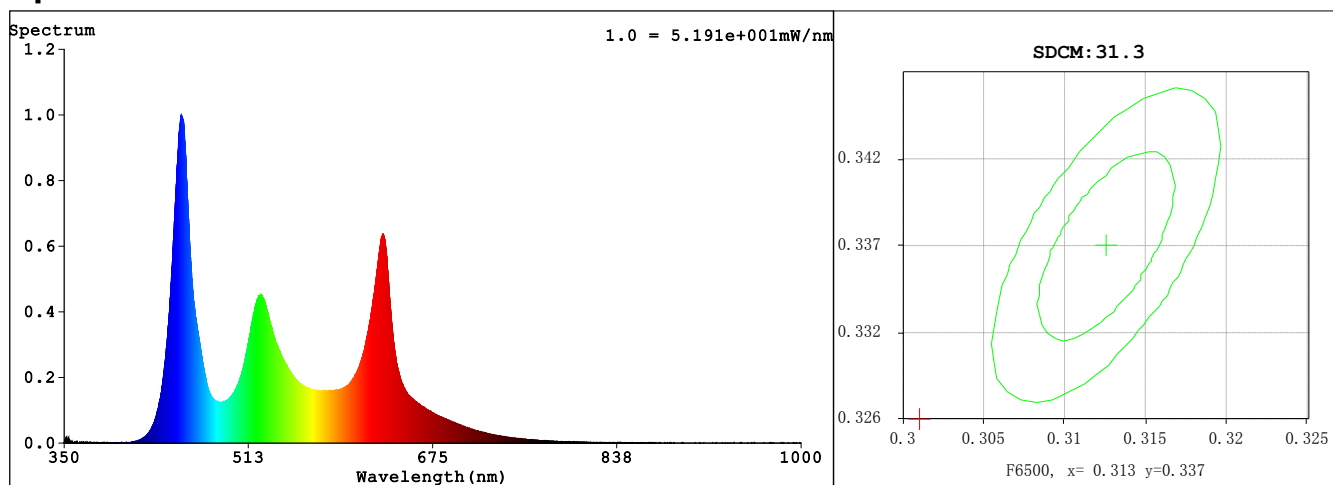
Date : 2026-07-03
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WXX

Test Condition

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

RH : 65.0%
IP : 42693 (65%)
T : 141 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3015$ $y = 0.2817$ / $u' = 0.2087$ $v' = 0.4388$ ($duv = -1.67e-02$)

CCT= 8118K Prpc WL: $L_d = 459.2\text{nm}$ Purity=16.9%

Peak WL: $L_p = 453\text{nm}$ FWHM: $= 18.2\text{nm}$ Ratio: R=21.5% G=72.1% B=6.4%

Render Index: $R_a = 65.2$ TM30: $R_f = 77$ $R_g = 120$

R1 =53 R2 =84 R3 =73 R4 =53 R5 =65 R6 =82 R7 =77

R8 =34 R9 =0 R10=74 R11=41 R12=71 R13=60 R14=81 R15=41

LEVEL:OUT

TLCI Parameters: TLCI = 64.4

Photometric & Radiometric Parameters

Flux = 948.22 lm Eff. : 58.84 lm/W $F_e = 3.8346\text{ W}$

EEI: 0.21907 A

EEC: 58.8 G

Electrical parameters

V = 24.00 V I = 0.6715 A P = 16.11 W PF = 1.000

Freq=0.00 Hz

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