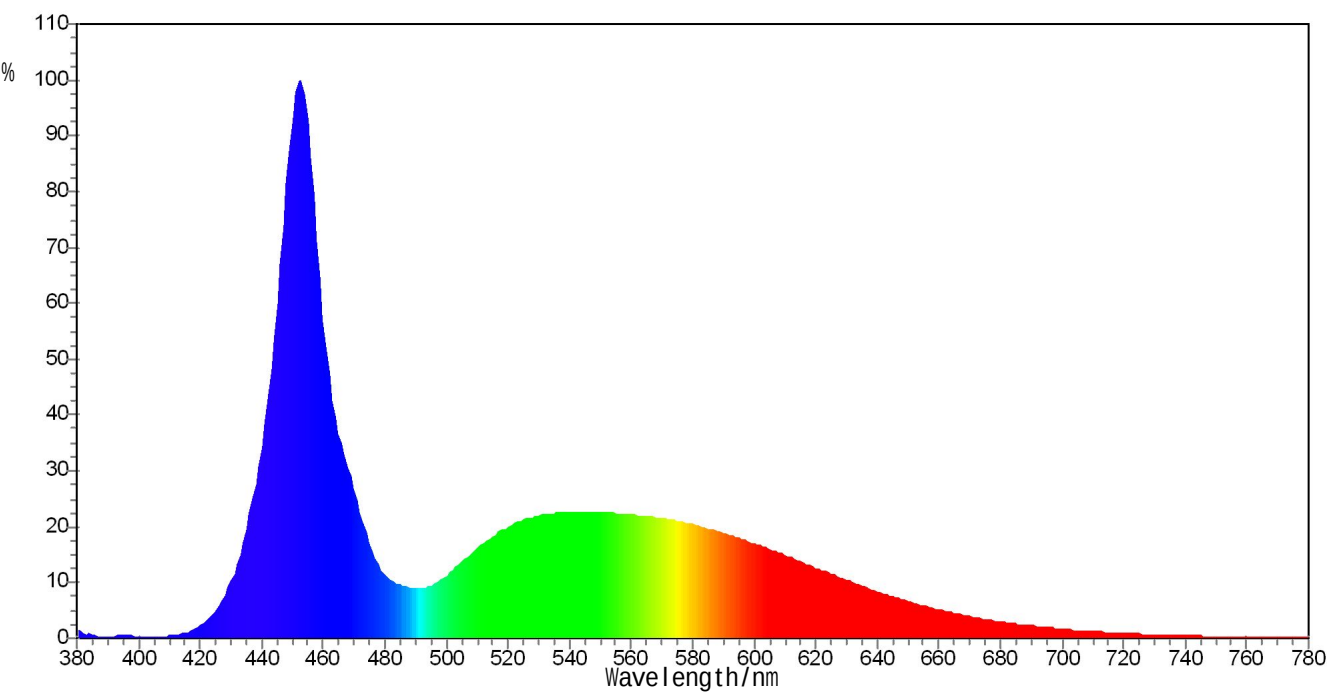
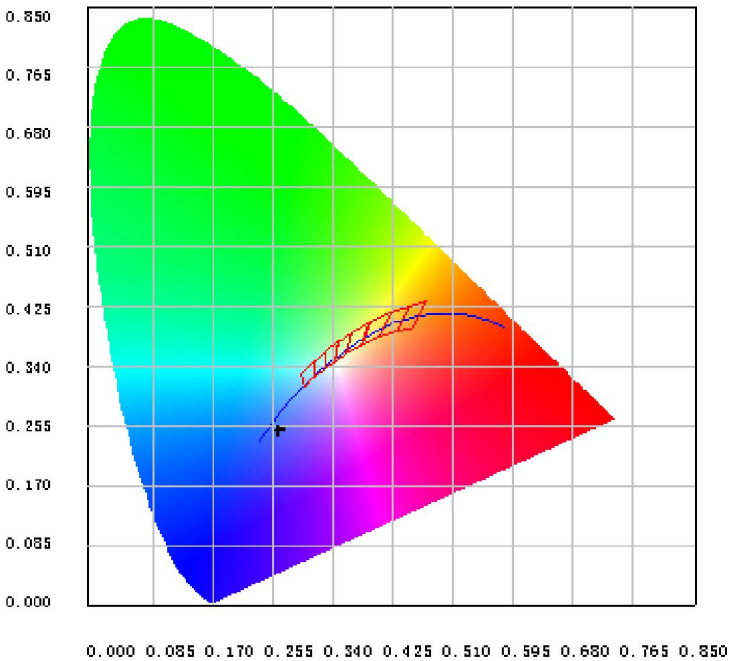


LED光色电测试系统测试报告



光谱参数

x: 0.2655 y: 0.2521
u: 0.1933 v: 0.2753
主波长: 472.9 nm 峰值波长: 453.2 nm
半波宽: 18.2 nm 色纯度: 0.312
相关色温: 16353 K 显色指数: 81.7
SDCM: 86.05 DUV: -0.0095
色比: R%: 15.7 G%: 37.1 B%: 47.2
Kred 9.89% Kgreen 82.17% Kblue 7.94%
R1: 85.1 R2: 85.6 R3: 77.2
R4: 84.7 R5: 81.2 R6: 72.8
R7: 86.7 R8: 80.0 R9: 31.6
R10: 58.3 R11: 83.3 R12: 36.0
R13: 85.9 R14: 87.0 R15: 88.2
Rf: 0.0 Rg: 0.0



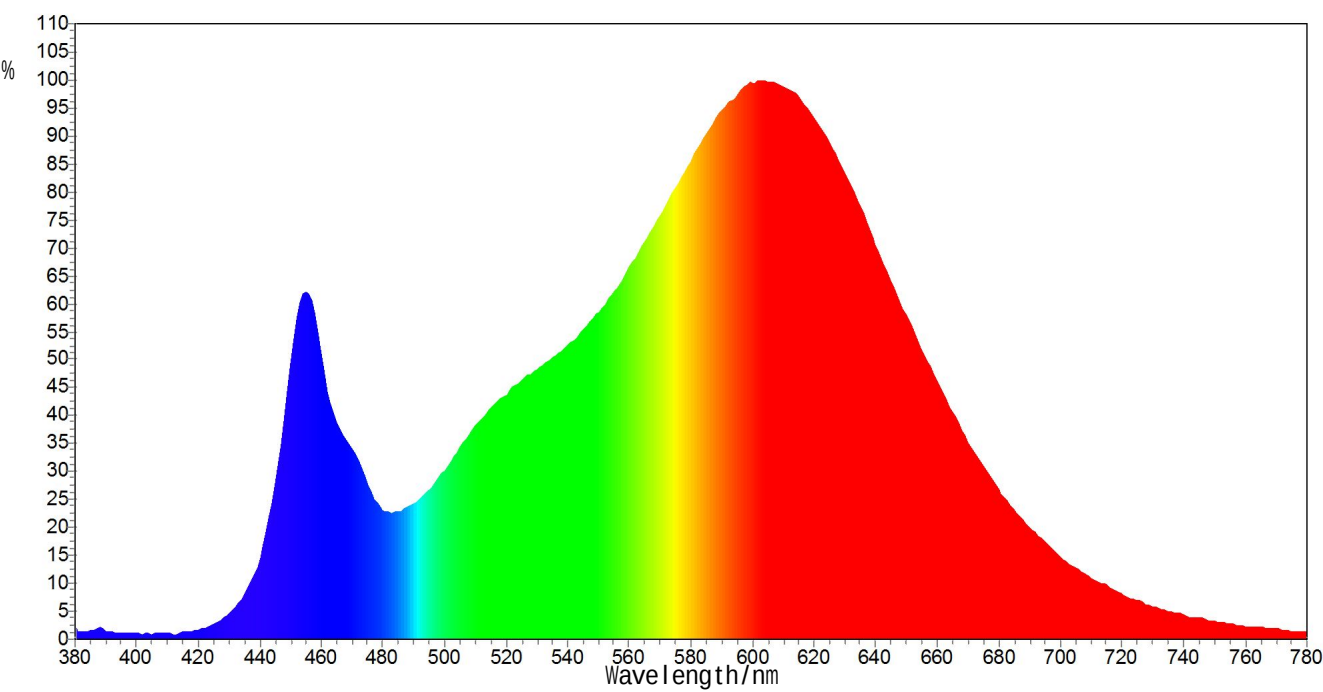
光电参数

光通量: 931.603 lm 光效率: 39.135 lm/w 光功率: 4036.93 mw
测试电流: 1999.6 mA 正向电压: 11.91 V 功率: 23.805 w 功率因数:

备注:

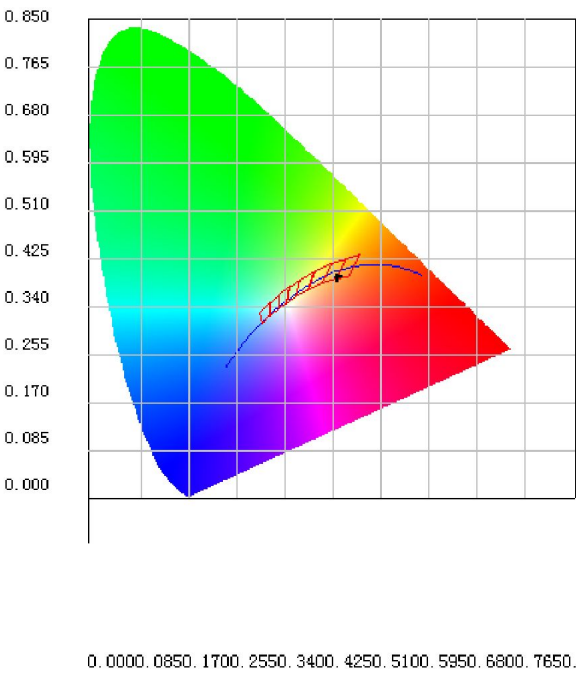
产品型号:	SN1202835-V12CW)	产品编号:	61300050
测试员:	LIUYUANFEN	测试日期:	2019-6-5
环境温度:	28 ()	环境湿度:	83 (%)
制造厂商:		测试机构:	iPixel LED Light Co ltd

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.4341 y: 0.3961
u: 0.2522 v: 0.3452
WD: 584.0 nm WP: 603.7 nm
HW: 123.0 nm Purity: 0.492
CCT: 2986 K Ra: 83.0
SDCM : 3.29 DUV : -0.0028
Ratio : R%: 43.1 G%: 41.9 B%: 15.0
Kred 20.67% Kgreen 75.98% Kblue 3.35%
R1: 82.0 R2: 93.0 R3: 94.5
R4: 80.8 R5: 84.1 R6: 92.4
R7: 79.5 R8: 57.7 R9: 10.1
R10: 84.1 R11: 70.9 R12: 70.6
R13: 84.4 R14: 98.1 R15: 74.6
Rf : 0.0 Rg : 0.0



Electrical parameters

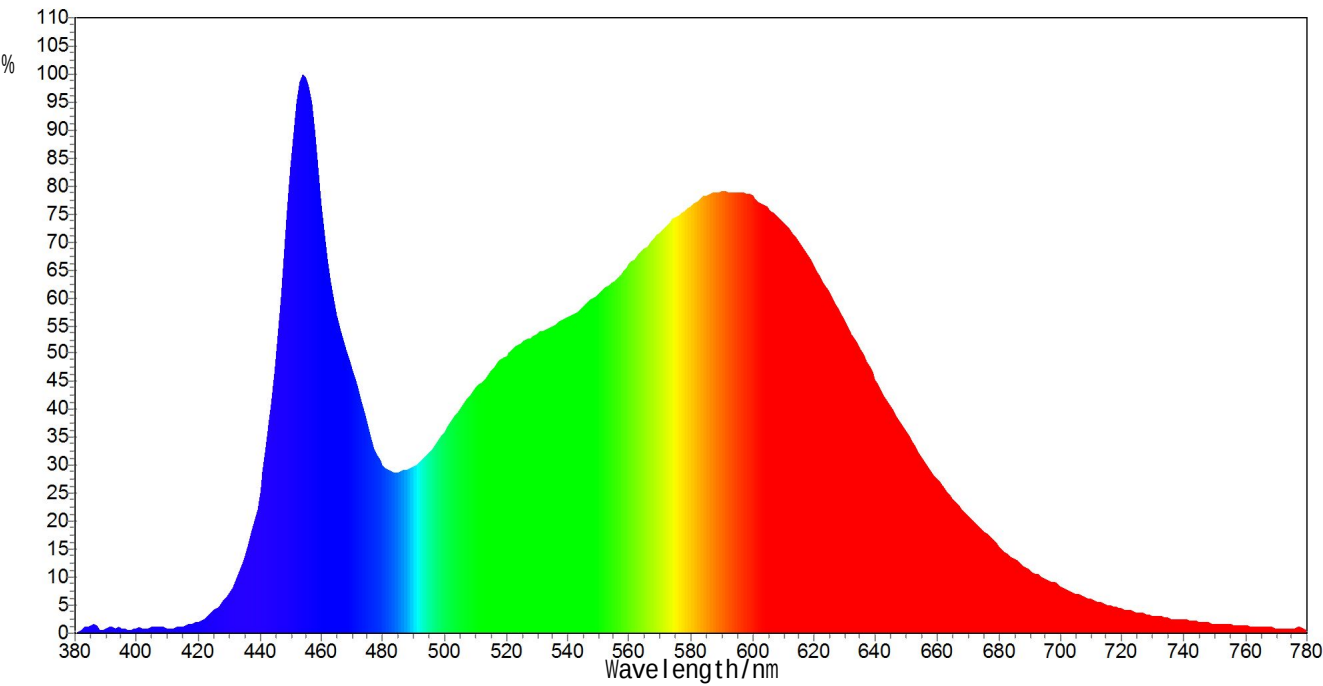
Flux: 1020.543 lm E: 102.044 lm/w P: 3349.63 mw
I: 416.7 mA V: 24.00 V P: 10.001 w PF:

Memo:

1M

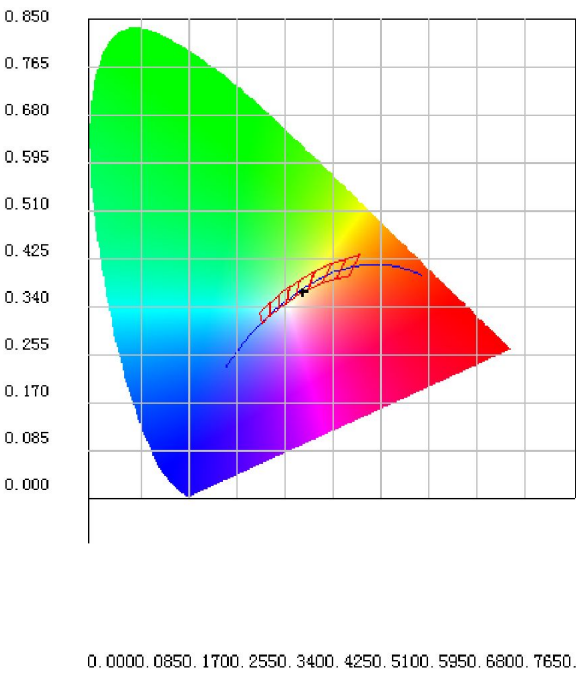
Product Mode:	S005120BC1LZ 2800-3200K	Item No:	10101-0457-00
Tester:	DINGNANJUAN	Date:	2022-12-7
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.3736 y: 0.3684
u: 0.2239 v: 0.3312
WD: 579.8 nm WP: 454.3 nm
HW: 23.3 nm Purity: 0.227
CCT: 4143 K Ra: 82.7
SDCM : 4.39 DUV : -0.0019
Ratio : R%: 31.2 G%: 44.8 B%: 24.0
Kred 15.77% Kgreen 79.43% Kblue 4.80%
R1: 81.4 R2: 91.7 R3: 95.2
R4: 79.7 R5: 82.2 R6: 87.9
R7: 82.4 R8: 61.0 R9: 4.3
R10: 79.4 R11: 75.2 R12: 56.4
R13: 84.0 R14: 98.3 R15: 75.0
Rf : 0.0 Rg : 0.0



Electrical parameters

Flux: 516.866 lm E: 106.526 lm/w P: 1671.77 mw
I: 404.3 mA V: 12.00 V P: 4.852 w PF:

Memo:

1M

Product Mode:	S005060BB1LZ 4000-4300K	Item No:	10101-0592-00
Tester:	LEIXIAOLAN	Date:	2023-7-26
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

Spectrum Test Report

Sample :
Specification : S005060BC1LZ 4000-4300K
Sample No. : 10101-0624-00
Manufacturer : iPixel LED

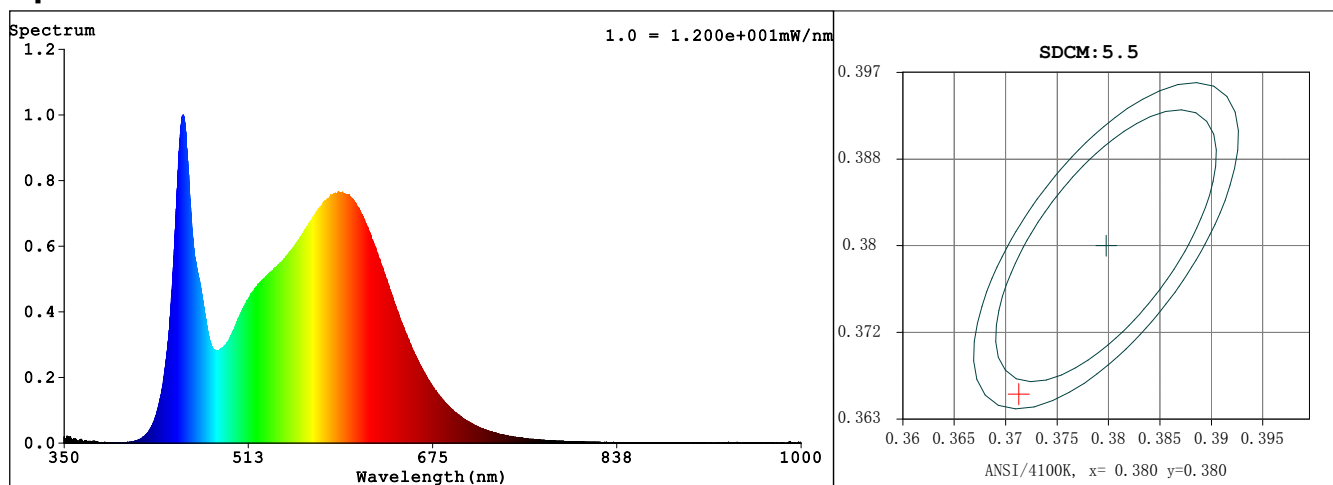
Date : 2023-09-08
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : LEIXIAOLAN

Test Condition

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

RH : 65.0%
IP : 50201 (77%)
T : 456 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3715$ $y = 0.3656$ / $u' = 0.2237$ $v' = 0.4952$ ($duv = -2.63e-03$)

CCT= 4173K Prcp WL: $L_d = 580.2nm$ Purity=21.2%

Peak WL: $L_p = 455nm$ FWHM: $= 23.2nm$ Ratio: R=18.1% G=77.6% B=4.3%

Render Index: $R_a = 83.0$

R1 =82 R2 =93 R3 =95 R4 =79 R5 =82 R6 =88 R7 =83

R8 =62 R9 =7 R10=82 R11=78 R12=62 R13=86 R14=98 R15=77

LEVEL:OUT

TLCI Parameters: TLCI = 64.5

Photometric & Radiometric Parameters

Flux = 516.85 lm Eff. : 103.69 lm/W $Fe = 1.5843 W$

EEL: 0.10995 A++ Highest

EEC: 103.7 F

Electrical parameters

V = 24.00 V I = 0.2077 A P = 4.984 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010240BB1LZ 6500±400K
Sample No. : 10101-0676-00
Manufacturer : iPixel LED

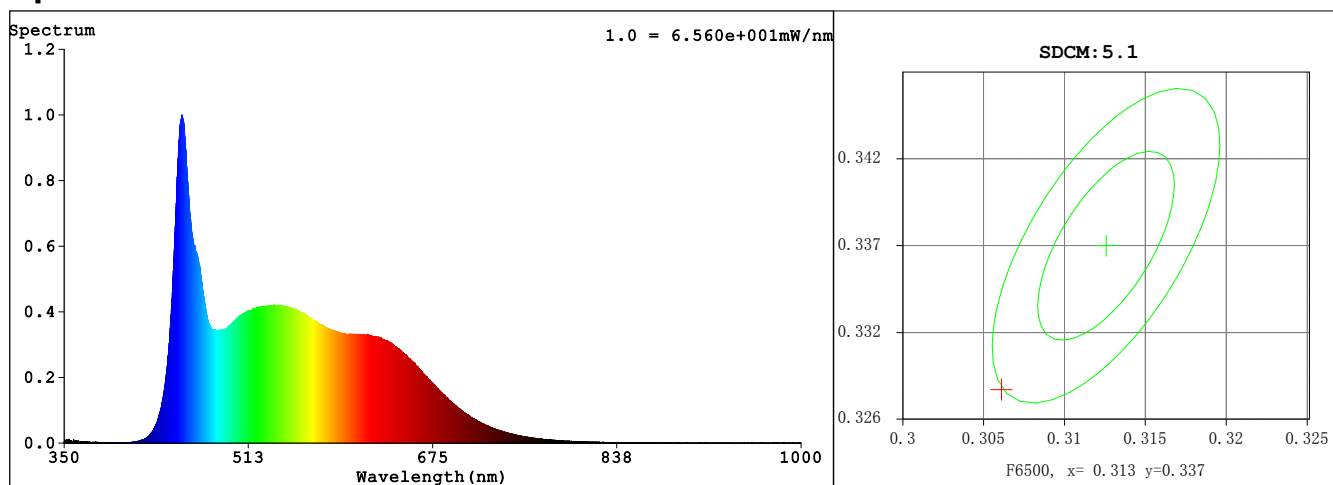
Date : 2024-02-02
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 49979 (76%)
T : 99 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3065$ $y = 0.3281$ / $u' = 0.1939$ $v' = 0.4669$ ($duv=5.89e-03$)

CCT= 6856K Prpc WL: $L_d=489.2nm$ Purity=9.4%

Peak WL: $L_p=454nm$ FWHM: $=24.9nm$ Ratio:R=14.7% G=77.9% B=7.4%

Render Index: $R_a = 93.8$ TM30:Rf=90 Rg=97

R1 =95 R2 =99 R3 =98 R4 =89 R5 =92 R6 =95 R7 =92

R8 =90 R9 =83 R10=96 R11=91 R12=65 R13=97 R14=99 R15=92

LEVEL:OUT

TLCI Parameters: TLCI = 95.0

Photometric & Radiometric Parameters

Flux = 1805.8 lm Eff. : 95.34 lm/W $Fe = 6.5307 W$

EEL: 0.14288 A+

EEC: 95.3 F

Electrical parameters

V = 12.00 V I = 1.579 A P = 18.94 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S005120BB1LZ 4000±300K
Sample No. : 10101-0943-00
Manufacturer : iPixel LED

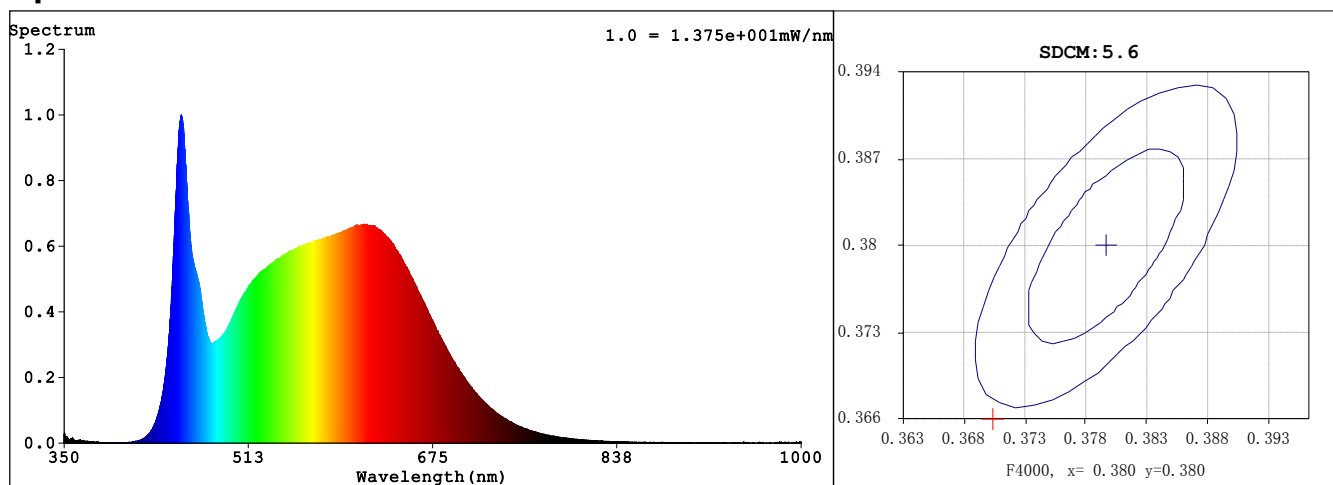
Date : 2024-12-12
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 48006 (73%)
T : 478 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3707 y = 0.3654 / u' = 0.2232 v' = 0.4950 (duv=-2.46e-03)

CCT= 4197K Prpc WL: Ld=580.0nm Purity=20.9%

Peak WL: Lp=453nm FWHM: =22.6nm Ratio:R=19.5% G=75.9% B=4.6%

Render Index: Ra = 94.0 TM30:Rf=91 Rg=100

R1 =95 R2 =98 R3 =97 R4 =93 R5 =93 R6 =93 R7 =94

R8 =89 R9 =74 R10=93 R11=93 R12=69 R13=97 R14=98 R15=94

LEVEL:OUT

TLCI Parameters: TLCI = 93.2

Photometric & Radiometric Parameters

Flux = 574.79 lm Eff. : 92.48 lm/W Fe = 2.0125 W

EEL: 0.12617 A+

EEC: 92.5 F

Electrical parameters

V = 12.00 V I = 0.5180 A P = 6.215 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S006060BC1LZ 6500±400K
Sample No. : 10101-0681-00
Manufacturer : iPixel LED

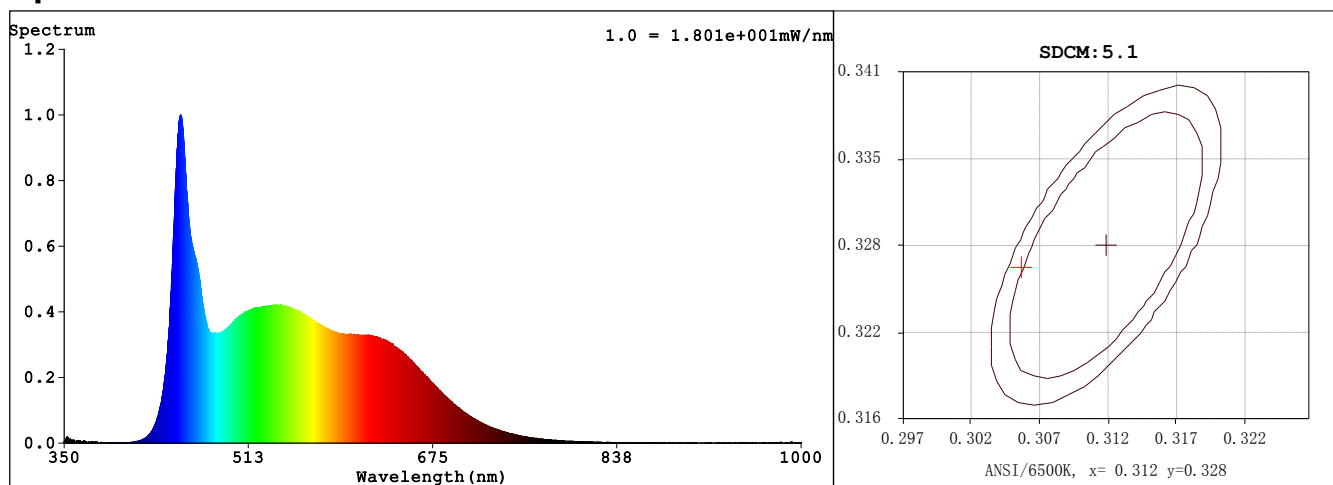
Date : 2025-02-11
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 48637 (74%)
T : 388 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3061 y = 0.3266 / u' = 0.1941 v' = 0.4661 (duv=5.36e-03)

CCT= 6896K Prpc WL: Ld=488.5nm Purity=9.7%

Peak WL: Lp=453nm FWHM: =24.5nm Ratio:R=14.7% G=78.1% B=7.2%

Render Index: Ra = 94.2 TM30:Rf=91 Rg=98

R1 =95 R2 =98 R3 =98 R4 =91 R5 =93 R6 =94 R7 =94

R8 =91 R9 =83 R10=94 R11=92 R12=65 R13=97 R14=99 R15=92

LEVEL:OUT

TLCI Parameters: TLCI = 95.8

Photometric & Radiometric Parameters

Flux = 495.18 lm Eff. : 99.06 lm/W Fe = 1.7950 W

EEL: 0.11401 A+

EEC: 99.1 F

Electrical parameters

V = 24.00 V I = 0.2083 A P = 4.999 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010240BC1LZ 2300-2500K
Sample No. : 10101-0309-00
Manufacturer : iPixel LED

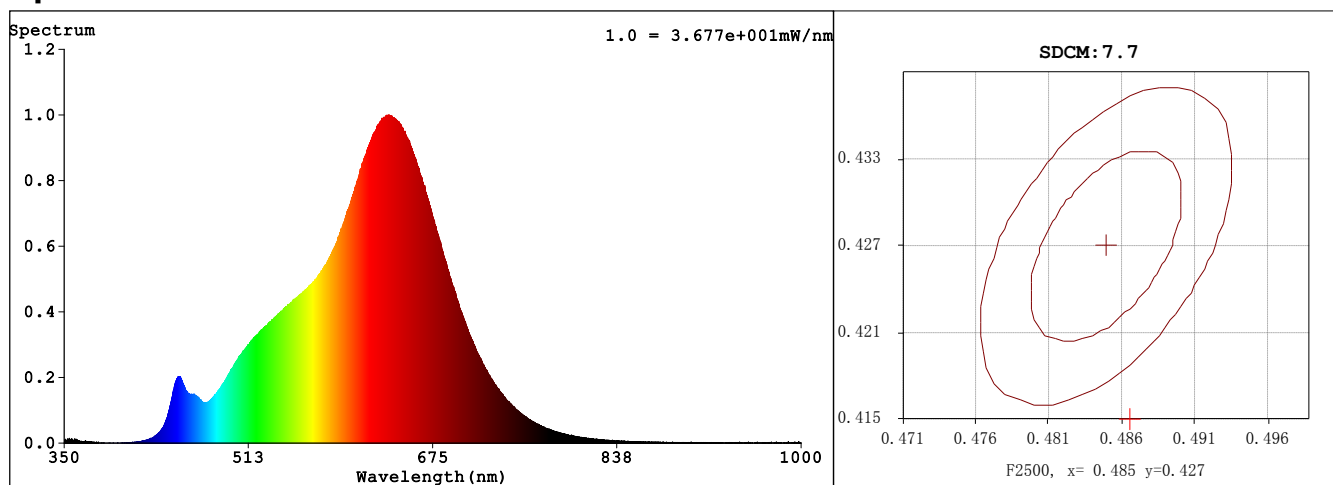
Date : 2025-02-21
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 49215 (75%)
T : 160 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4866 y = 0.4137 / u' = 0.2784 v' = 0.5326 (duv=-3.24e-04)

CCT= 2388K Prpc WL: Ld=586.1nm Purity=70.3%

Peak WL: Lp=636nm FWHM: =118.9nm Ratio:R=30.5% G=67.3% B=2.2%

Render Index: Ra = 96.5 TM30:Rf=95 Rg=101

R1 =97 R2 =98 R3 =98 R4 =95 R5 =96 R6 =94 R7 =97

R8 =97 R9 =93 R10=97 R11=91 R12=91 R13=96 R14=97 R15=99

LEVEL:OUT

TLCI Parameters: TLCI = 96.8

Photometric & Radiometric Parameters

Flux = 1342.5 lm Eff. : 72.05 lm/W Fe = 5.4447 W

EEL: 0.18905 A

EEC: 72.1 G

Electrical parameters

V = 24.00 V I = 0.7764 A P = 18.63 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010120BB1LZ 3000±300K
Sample No. : 10101-0248-00
Manufacturer : iPixel LED

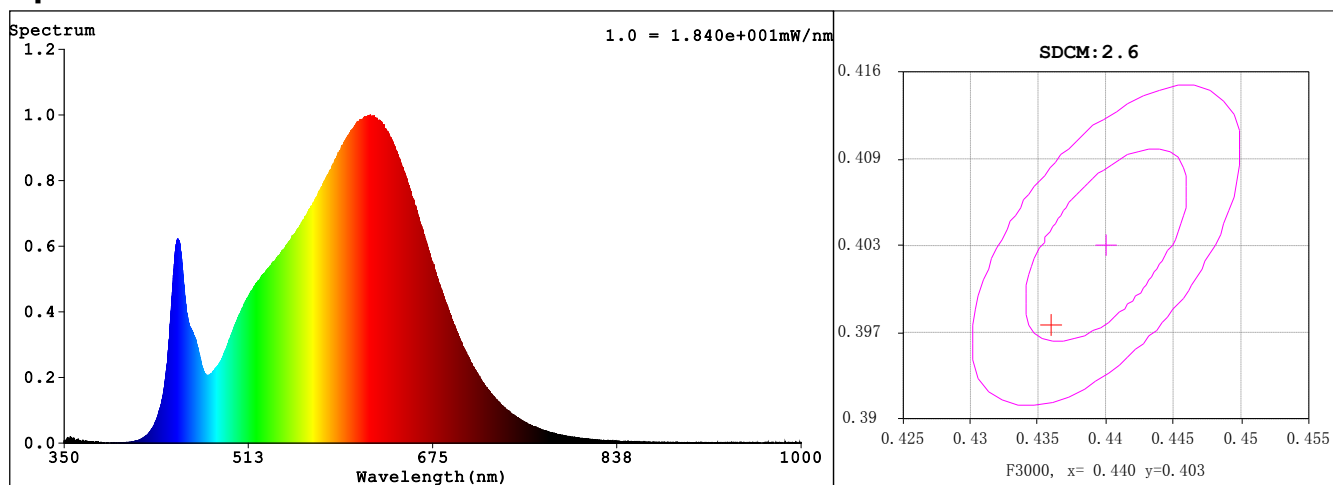
Date : 2025-03-11
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WANGHUALAN

Test Condition

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

RH : 65.0%
IP : 51105 (78%)
T : 305 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4359$ $y = 0.3971$ / $u' = 0.2530$ $v' = 0.5185$ ($duv = -2.66e-03$)

CCT= 2959K Prpc WL: $L_d = 584.0nm$ Purity=50.0%

Peak WL: $L_p = 620nm$ FWHM: $= 156.8nm$ Ratio: R=24.5% G=72.6% B=2.8%

Render Index: $R_a = 92.0$ TM30: $R_f = 90$ $R_g = 101$

R1 =92 R2 =96 R3 =98 R4 =92 R5 =92 R6 =95 R7 =91

R8 =80 R9 =56 R10=91 R11=92 R12=81 R13=94 R14=99 R15=89

LEVEL:OUT

TLCI Parameters: TLCI = 88.6

Photometric & Radiometric Parameters

Flux = 907.54 lm Eff. : 91.63 lm/W $Fe = 3.1646 W$

EEL: 0.13953 A+

EEC: 91.6 F

Electrical parameters

V = 12.00 V I = 0.8254 A P = 9.904 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S008060BA1LZ 6500±400K
Sample No. : 10101-1103-00
Manufacturer : iPixel LED

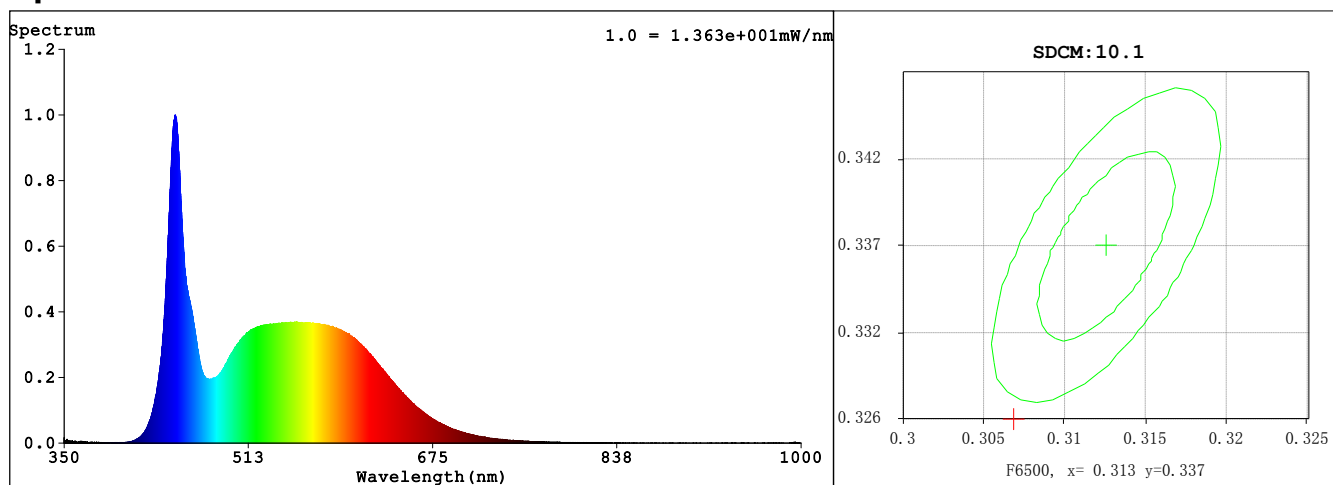
Date : 2025-07-11
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WHL

Test Condition

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

RH : 65.0%
IP : 53426 (82%)
T : 653 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3073 y = 0.3181 / u' = 0.1982 v' = 0.4616 (duv=3.42e-04)

CCT= 6923K Prpc WL: Ld=483.8nm Purity=10.1%

Peak WL: Lp=448nm FWHM: =17.3nm Ratio:R=13.6% G=80.6% B=5.8%

Render Index: Ra = 85.3 TM30:Rf=84 Rg=97

R1 =85 R2 =88 R3 =89 R4 =87 R5 =86 R6 =83 R7 =89

R8 =75 R9 =21 R10=71 R11=87 R12=62 R13=86 R14=94 R15=81

LEVEL:OUT

TLCI Parameters: TLCI = 73.8

Photometric & Radiometric Parameters

Flux = 333.14 lm Eff. : 85.06 lm/W Fe = 1.1063 W

EEL: 0.12094 A+

EEC: 85.1 F

Electrical parameters

V = 5.000 V I = 0.7833 A P = 3.917 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S005238BC1LZ 5000±300K
Sample No. : 10101-1101-00
Manufacturer : iPixel LED

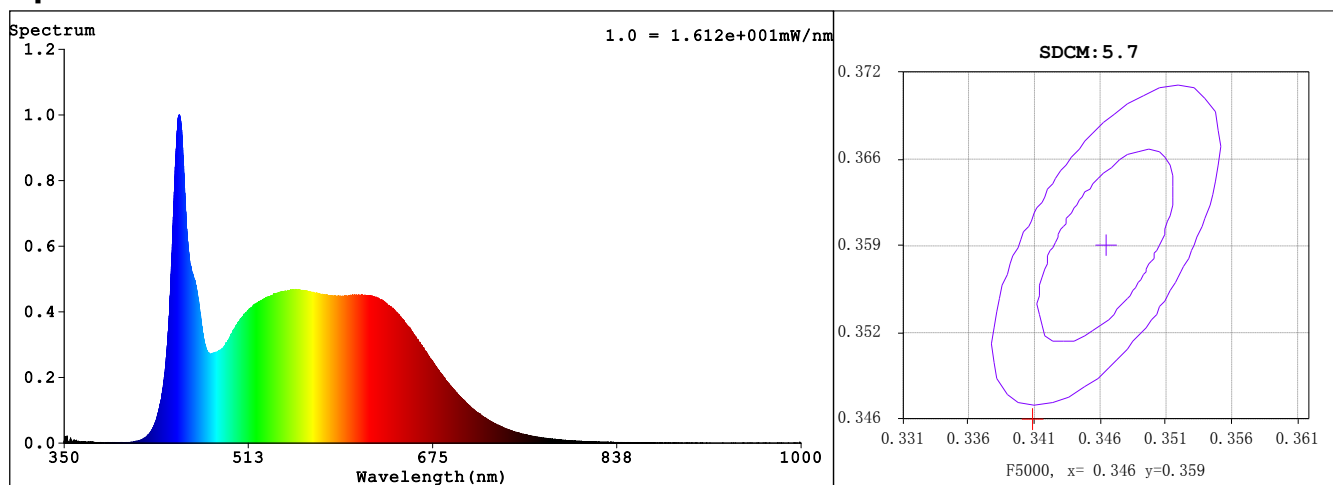
Date : 2026-01-09
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 52678 (80%)
T : 561 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3404$ $y = 0.3452$ / $u' = 0.2107$ $v' = 0.4808$ ($duv = -1.32e-03$)

CCT= 5166K Prpc WL: $L_d = 571.9nm$ Purity=5.7%

Peak WL: $L_p = 452nm$ FWHM: $= 20.7nm$ Ratio: R=17.3% G=77.2% B=5.5%

Render Index: $R_a = 94.3$ TM30: $R_f = 91$ $R_g = 101$

R1 =95 R2 =97 R3 =94 R4 =95 R5 =94 R6 =92 R7 =95

R8 =92 R9 =79 R10=90 R11=94 R12=70 R13=96 R14=97 R15=96

LEVEL:OUT

TLCI Parameters: TLCI = 94.2

Photometric & Radiometric Parameters

Flux = 514.86 lm Eff. : 123.94 lm/W $Fe = 1.8159 W$

EEL: 0.09191 A++ Highest

EEC: 123.9 E

Electrical parameters

V = 24.00 V I = 0.1731 A P = 4.154 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S006060BB1LZ 3000±300K
Sample No. : 20201-0058-00
Manufacturer : iPixel LED

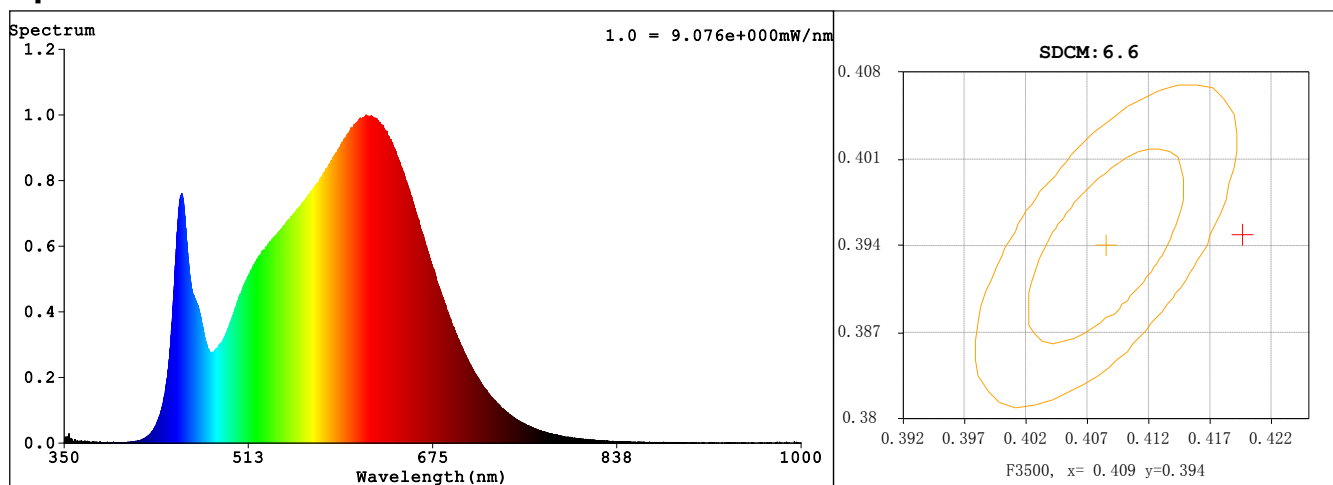
Date : 2026-02-24
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DNJ

Test Condition

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

RH : 65.0%
IP : 53478 (82%)
T : 755 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4201 y = 0.3949 / u' = 0.2436 v' = 0.5152 (duv=-1.14e-03)

CCT= 3228K Prpc WL: Ld=582.3nm Purity=44.6%

Peak WL: Lp=616nm FWHM: =167.2nm Ratio:R=23.0% G=73.7% B=3.3%

Render Index: Ra = 92.8 TM30:Rf=91 Rg=99

R1 =93 R2 =97 R3 =98 R4 =92 R5 =93 R6 =95 R7 =92

R8 =83 R9 =61 R10=91 R11=93 R12=76 R13=95 R14=99 R15=90

LEVEL:OUT

TLCI Parameters: TLCI = 92.1

Photometric & Radiometric Parameters

Flux = 476.59 lm Eff. : 97.97 lm/W Fe = 1.6320 W

EEL: 0.11428 A+

EEC: 98.0 F

Electrical parameters

V = 12.00 V I = 0.4054 A P = 4.864 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S008120BB1LZ 6000±400K
Sample No. : 10101-1262-00
Manufacturer : iPixel LED

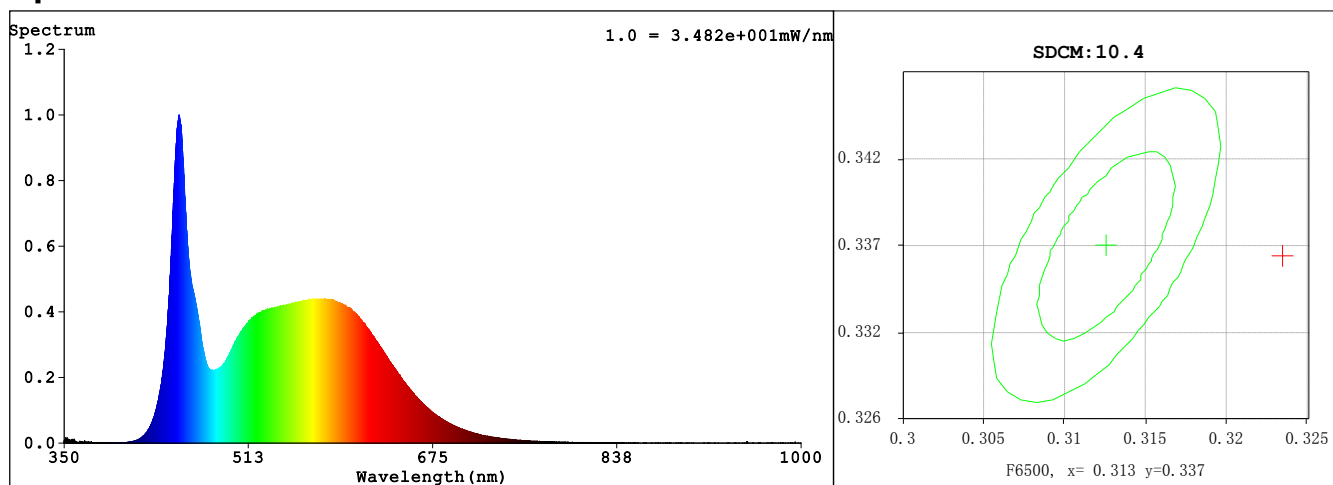
Date : 2026-07-03
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : WXX

Test Condition

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

RH : 65.0%
IP : 52845 (81%)
T : 266 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3239 y = 0.3364 / u' = 0.2028 v' = 0.4739 (duv=1.51e-03)

CCT= 5897K Prcp WL: Ld=495.9nm Purity=3.0%

Peak WL: Lp=451nm FWHM: =18.8nm Ratio:R=14.6% G=80.0% B=5.4%

Render Index: Ra = 84.9 TM30:Rf=84 Rg=95

R1 =84 R2 =90 R3 =93 R4 =85 R5 =84 R6 =85 R7 =88

R8 =71 R9 =15 R10=75 R11=84 R12=60 R13=86 R14=96 R15=79

LEVEL:OUT

TLCI Parameters: TLCI = 72.2

Photometric & Radiometric Parameters

Flux = 999.12 lm Eff. : 110.19 lm/W Fe = 3.1992 W

EEL: 0.11811 A+

EEC: 110.2 E

Electrical parameters

V = 12.00 V I = 0.7557 A P = 9.068 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S008060BB1LZ 6500±400K
Sample No. : 10101-0324-00
Manufacturer : iPixel LED

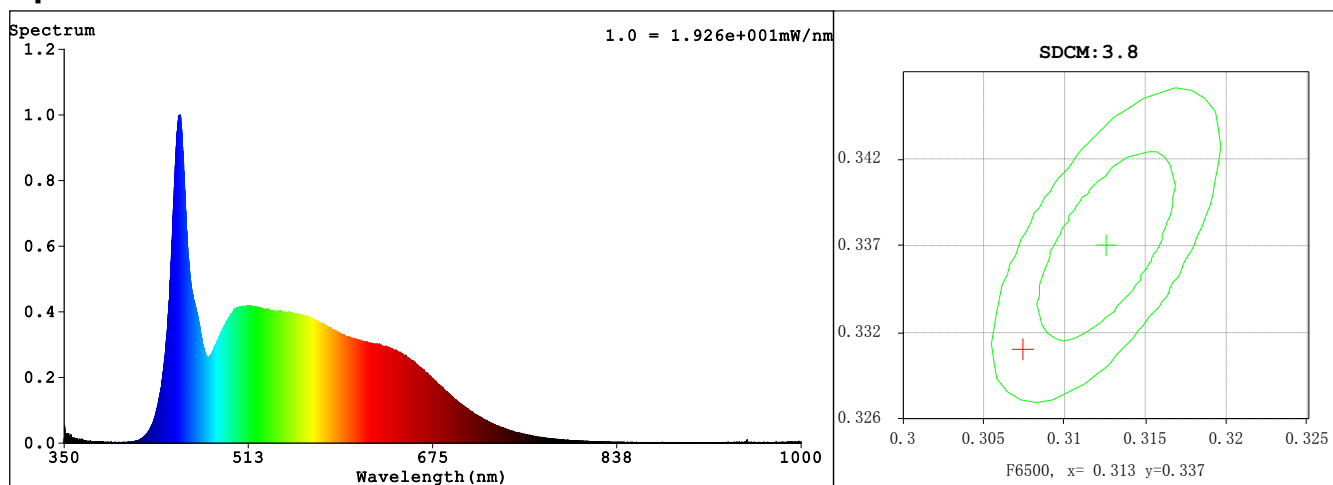
Date : 2026-07-16
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : CJ

Test Condition

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

RH : 65.0%
IP : 39048 (60%)
T : 357 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3079$ $y = 0.3306$ / $u' = 0.1939$ $v' = 0.4685$ ($duv=6.46e-03$)

CCT= 6755K Prpc WL: $L_d=490.3nm$ Purity=8.8%

Peak WL: $L_p=452nm$ FWHM: $=17.7nm$ Ratio:R=14.3% G=78.8% B=6.9%

Render Index: $R_a = 93.6$ TM30:Rf=92 Rg=98

R1 =92 R2 =95 R3 =97 R4 =93 R5 =92 R6 =92 R7 =96

R8 =90 R9 =73 R10=90 R11=93 R12=68 R13=94 R14=99 R15=91

LEVEL:OUT

TLCI Parameters: TLCI = 1.\$

Photometric & Radiometric Parameters

Flux = 519.96 lm Eff. : 104.47 lm/W $Fe = 1.9055 W$

EEL: 0.10928 A++ Highest

EEC: 104.5 F

Electrical parameters

V = 12.00 V I = 0.4148 A P = 4.977 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>