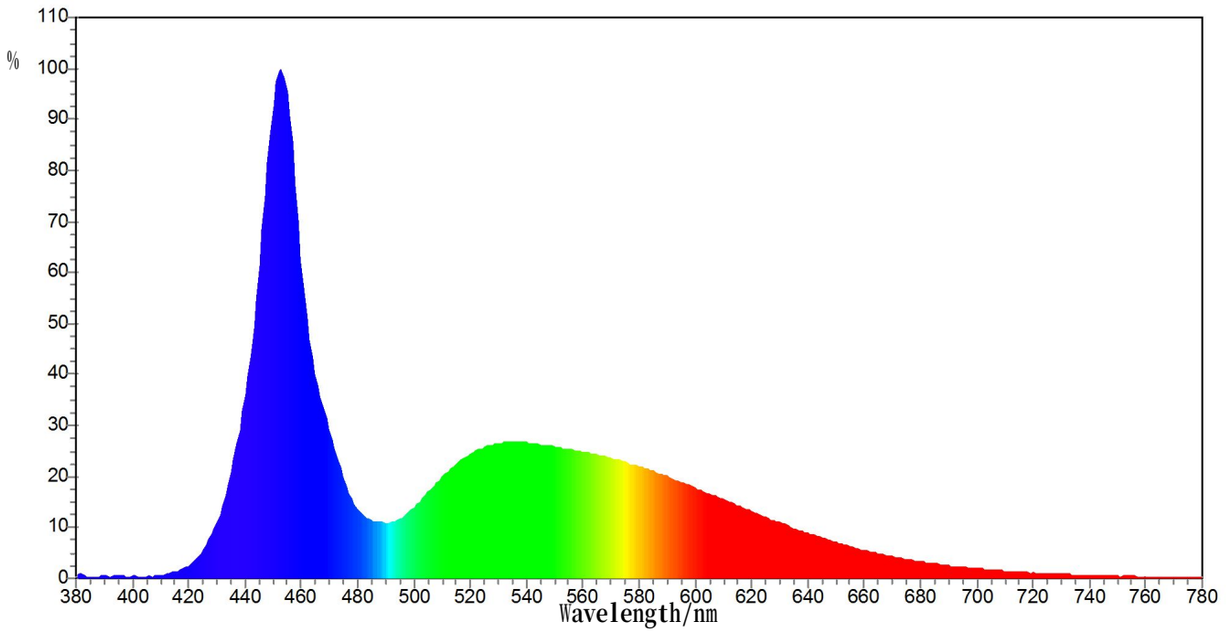
LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.2641 y: 0.2644

u: 0.1872 v: 0.2810

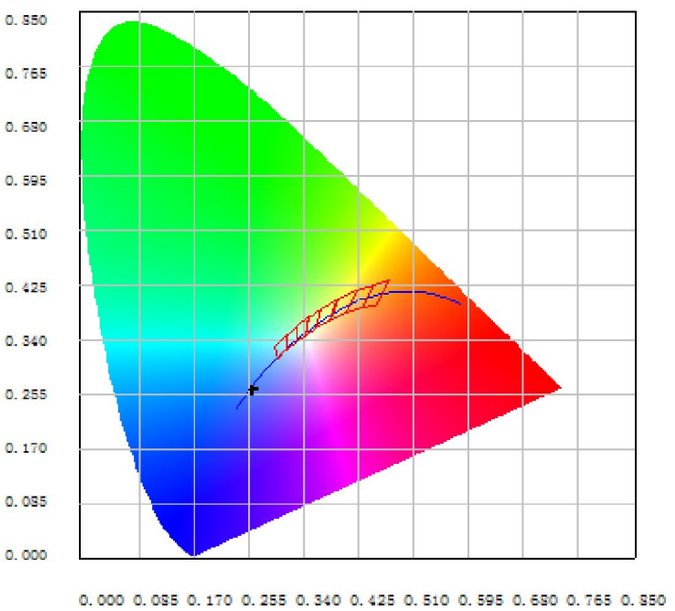
WD:	477.1 nm	WP:	453.2 nm
HW:	19.3 nm	Purity:	0.300
CCT:	14337 K	Ra:	80.0
SDCM：	85.68	DUV：	-0.0018

Ratio： R%: 15.3 G%: 38.9 B%: 45.8

Kred 9.15% Kgreen 83.00% Kblue 7.86%

R1:	81.3	R2:	84.7	R3:	79.9
R4:	80.4	R5:	79.0	R6:	73.9
R7:	86.3	R8:	74.6	R9:	11.0
R10:	56.9	R11:	83.8	R12:	36.1
R13:	82.8	R14:	88.9	R15:	80.1

Rf： 0.0 Rg： 0.0



Electrical parameters

Flux:	971.284 lm	E:	19.3 lm/w	P:	3998.60 mw
I:	930.5 mA	V:	12.00 V	P:	11.165 w

PF:

Memo:

1.3M

Product Mode:	S008120BB1LZ 10000-13000K	Item No:	51200780
Tester:	LIUYUANFEN	Date:	2020-7-14
Temperature:	25 (℃)	Humidity:	69 (%)
Manufacturer:	iPixel LED Light Co Ltd	organization:	Quality department

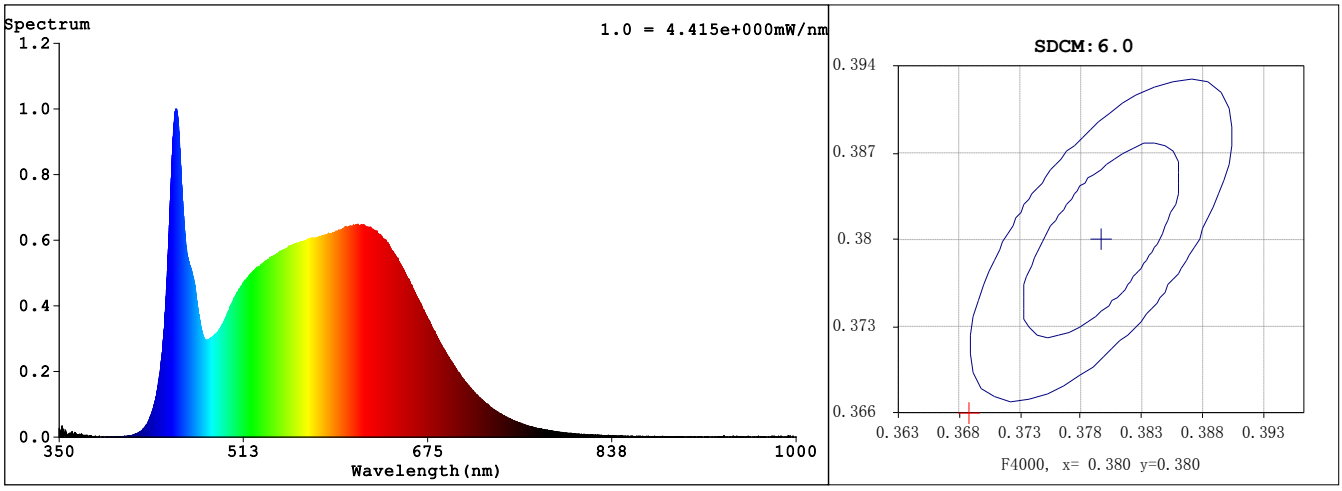
Spectrum Test Report

Sample	:	Date	: 2024-12-14
Specification	: S005120BB1LZ 4000±300K	Sam. Status	: 0.3M
Sample No.	: 10101-0942-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: WANGHUALAN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 49253 (75%)
Test Mode	: Accuracy Test	T	: 1522 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3692 y = 0.3648 / u' = 0.2224 v' = 0.4945 (duv=-2.26e-03)

CCT= 4241K Prcp WL: Ld=579.7nm Purity=20.2%

Peak WL: Lp=453nm FWHM: =21.8nm Ratio:R=19.3% G=76.1% B=4.6%

Render Index: Ra = 93.8 TM30:Rf=91 Rg=100

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

R8 =89 R9 =74 R10=92 R11=93 R12=68 R13=96 R14=98 R15=94

LEVEL:OUT

TLCI Parameters: TLCI = 93.0

Photometric & Radiometric Parameters

Flux = 180.81 lm Eff. : 93.54 lm/W Fe = 632.31 mW

EEI: 0.09342 A++ Highest

EEC: 93.5 F

Electrical parameters

V = 12.00 V I = 0.1611 A P = 1.933 W PF = 1.000

Freq=0.00 Hz

GBT5702

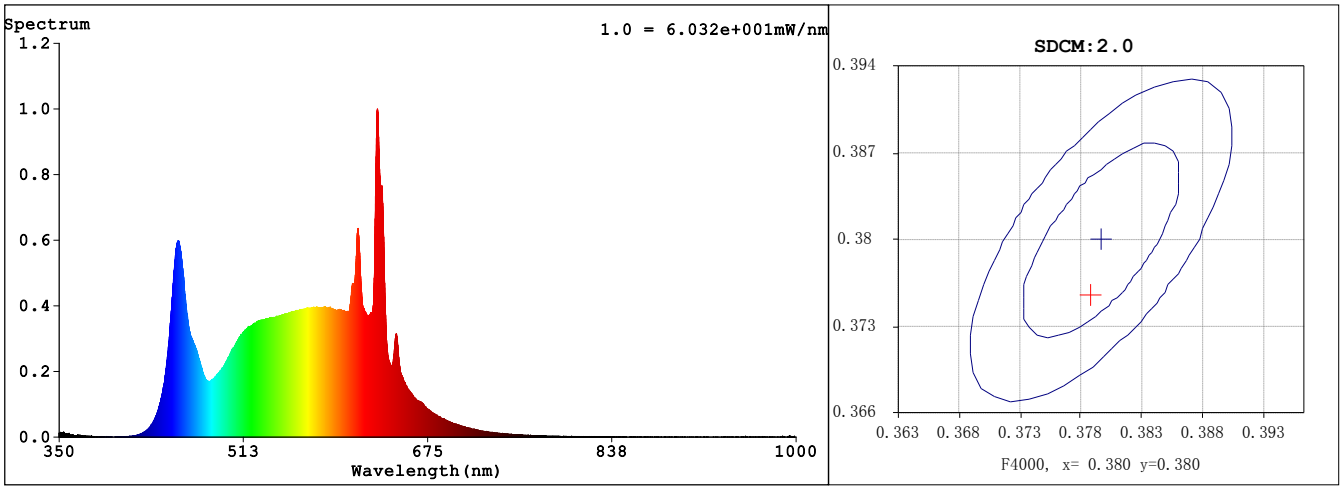
Spectrum Test Report

Sample	:	Date	: 2025-05-06
Specification	: S008304XC1LZ 4000±150K	Sam. Status	: 1M
Sample No.	: 10101-1055-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: WHL

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 44065 (67%)
Test Mode	: Accuracy Test	T	: 101 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3791 y = 0.3755 / u' = 0.2248 v' = 0.5008 (duv=-2.19e-04)

CCT= 4026K Prcp WL: Ld=579.1nm Purity=26.5%

Peak WL: Lp=631nm FWHM: =9.0nm Ratio:R=20.4% G=75.4% B=4.3%

Render Index: Ra = 94.8 TM30:Rf=91 Rg=99

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

R8 =89 R9 =74 R10=92 R11=96 R12=68 R13=98 R14=97 R15=94

LEVEL:OUT

TLCI Parameters: TLCI = 89.3

Photometric & Radiometric Parameters

Flux = 1631.0 lm Eff. : 157.14 lm/W Fe = 5.0299 W

EEI: 0.08669 A++ Highest

EEC: 157.1 D

Electrical parameters

V = 24.00 V I = 0.4325 A P = 10.38 W PF = 1.000

Freq=0.00 Hz

GBT5702

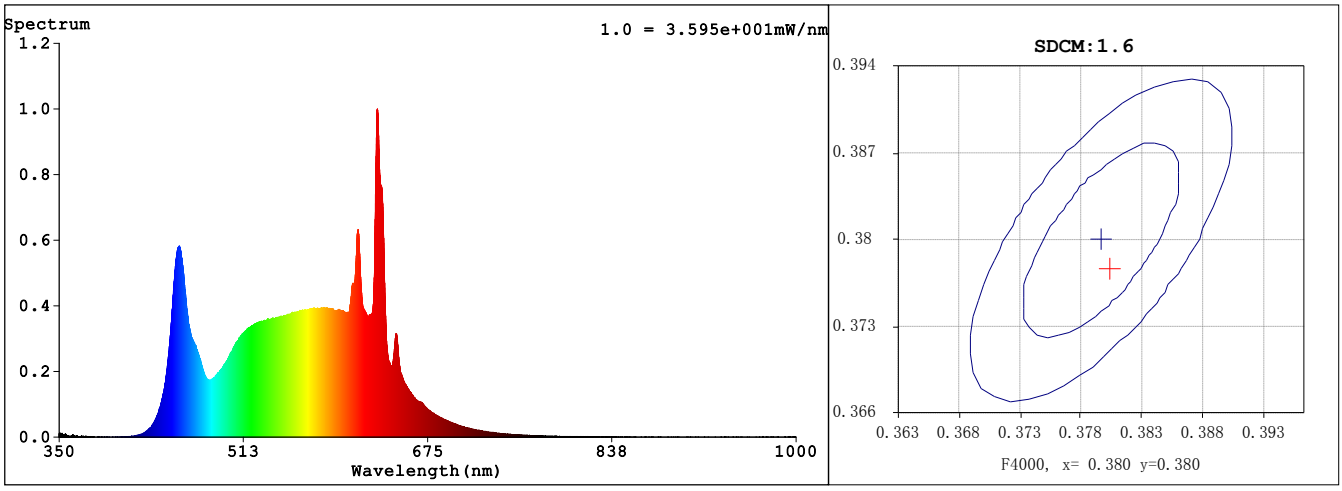
Spectrum Test Report

Sample	:	Date	: 2025-05-27
Specification	: S006304XC1LZ 4000±150K	Sam. Status	: 1M
Sample No.	: 10101-1054-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 49150 (75%)
Test Mode	: Accuracy Test	T	: 179 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3807 y = 0.3776 / u' = 0.2249 v' = 0.5020 (duv=3.22e-04)

CCT= 3999K Prcp WL: Ld=578.9nm Purity=27.6%

Peak WL: Lp=631nm FWHM: =9.0nm Ratio:R=20.5% G=75.2% B=4.3%

Render Index: Ra = 94.9 TM30:Rf=90 Rg=98

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

R8 =89 R9 =74 R10=93 R11=96 R12=69 R13=98 R14=98 R15=94

LEVEL:OUT

TLCI Parameters: TLCI = 89.4

Photometric & Radiometric Parameters

Flux = 965.89 lm Eff. : 151.20 lm/W Fe = 2.9700 W

EEI: 0.08554 A++ Highest

EEC: 151.2 D

Electrical parameters

V = 24.00 V I = 0.2662 A P = 6.388 W PF = 1.000

Freq=0.00 Hz

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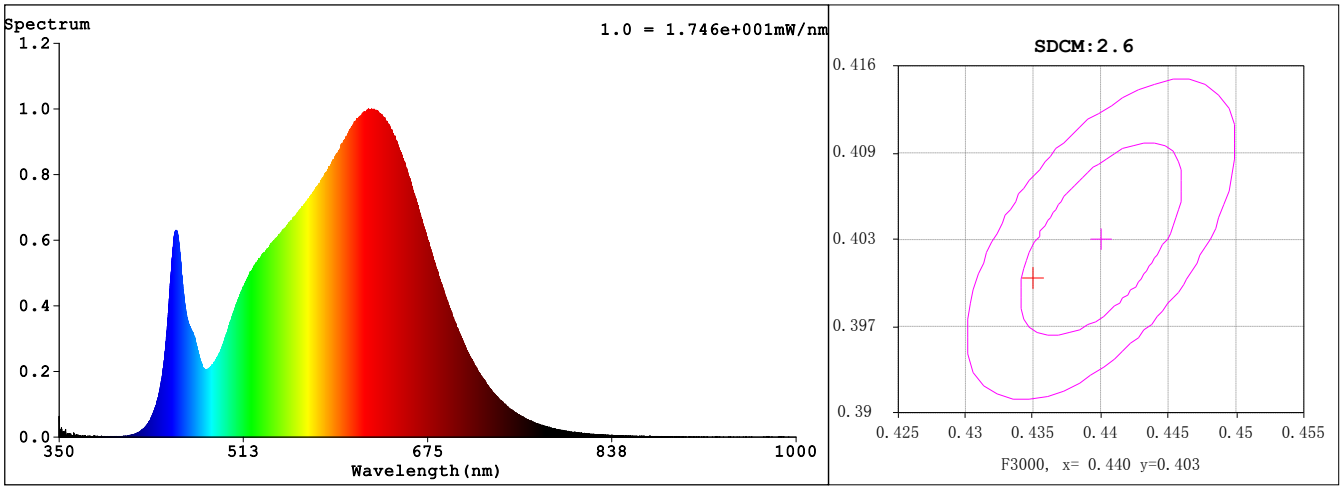
Spectrum Test Report

Sample	:	Date	: 2025-10-11
Specification	: S005180BC1LZ 3000±300K	Sam. Status	: 1M
Sample No.	: 10101-0485-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 52250 (80%)
Test Mode	: Fast Test	T	: 380 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4350 y = 0.4002 / u' = 0.2510 v' = 0.5195 (duv=-1.30e-03)

CCT= 3001K Prcp WL: Ld=583.3nm Purity=50.7%

Peak WL: Lp=626nm FWHM: =166.2nm Ratio:R=24.4% G=72.8% B=2.8%

Render Index: Ra = 93.7 TM30:Rf=92 Rg=101

R1 =95	R2 =97	R3 =96	R4 =94	R5 =94	R6 =95	R7 =94	
R8 =86	R9 =69	R10=90	R11=94	R12=78	R13=95	R14=97	R15=92

LEVEL:OUT

TLCI Parameters: TLCI = 93.0

Photometric & Radiometric Parameters

Flux = 863.42 lm Eff. : 94.41 lm/W Fe = 3.0583 W

EEI: 0.13417 A+

EEC: 94.4 F

Electrical parameters

V = 24.00 V I = 0.3811 A P = 9.146 W PF = 1.000

Freq=0.00 Hz

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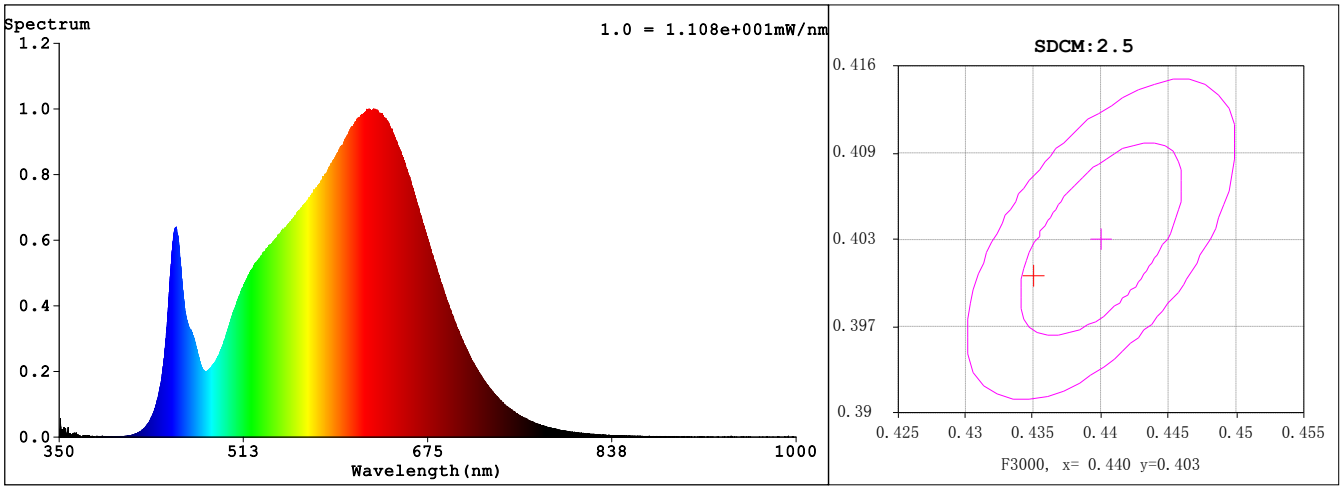
Spectrum Test Report

Sample	:	Date	: 2025-10-18
Specification	: S005120BC1LZ（M） 3000±300K	Sam. Status	: 1M
Sample No.	: 10101-1134-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 52249 (80%)
Test Mode	: Fast Test	T	: 606 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4350 y = 0.4003 / u' = 0.2509 v' = 0.5196 (duv=-1.23e-03)

CCT= 3002K Prcp WL: Ld=583.3nm Purity=50.7%

Peak WL: Lp=628nm FWHM: =165.9nm Ratio:R=24.4% G=72.8% B=2.7%

Render Index: Ra = 93.7 TM30:Rf=92 Rg=101

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

R8 =86 R9 =69 R10=90 R11=94 R12=78 R13=95 R14=97 R15=92

LEVEL:OUT

TLCI Parameters: TLCI = 92.9

Photometric & Radiometric Parameters

Flux = 547.21 lm Eff. : 91.06 lm/W Fe = 1.9379 W

EEI: 0.12678 A+

EEC: 91.1 F

Electrical parameters

V = 24.00 V I = 0.2504 A P = 6.009 W PF = 1.000

Freq=0.00 Hz

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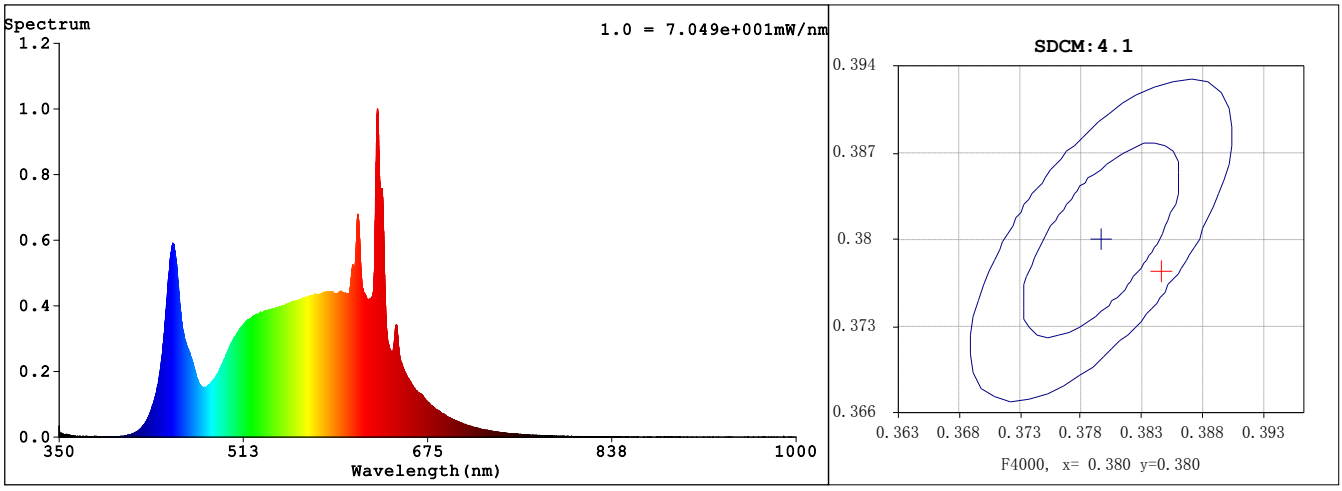
Spectrum Test Report

Sample	:	Date	: 2026-03-17
Specification	: S010160BC1LZ	Sam. Status	: 1M
Sample No.	: 10101-1056-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LX

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 41764 (64%)
Test Mode	: Fast Test	T	: 82 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3849 y = 0.3774 / u' = 0.2278 v' = 0.5025 (duv=-9.75e-04)

CCT= 3884K Prcp WL: Ld=580.0nm Purity=28.8%

Peak WL: Lp=631nm FWHM: =9.3nm Ratio:R=20.6% G=75.6% B=3.7%

Render Index: Ra = 93.2 TM30:Rf=91 Rg=101

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

R8 =86 R9 =64 R10=87 R11=94 R12=74 R13=95 R14=96 R15=92

LEVEL:OUT

TLCI Parameters: TLCI = 86.3

Photometric & Radiometric Parameters

Flux = 2065.6 lm Eff. : 155.48 lm/W Fe = 6.3678 W

EEI: 0.08762 A++ Highest

EEC: 155.5 D

Electrical parameters

V = 24.00 V I = 0.5536 A P = 13.29 W PF = 1.000

Freq=0.00 Hz

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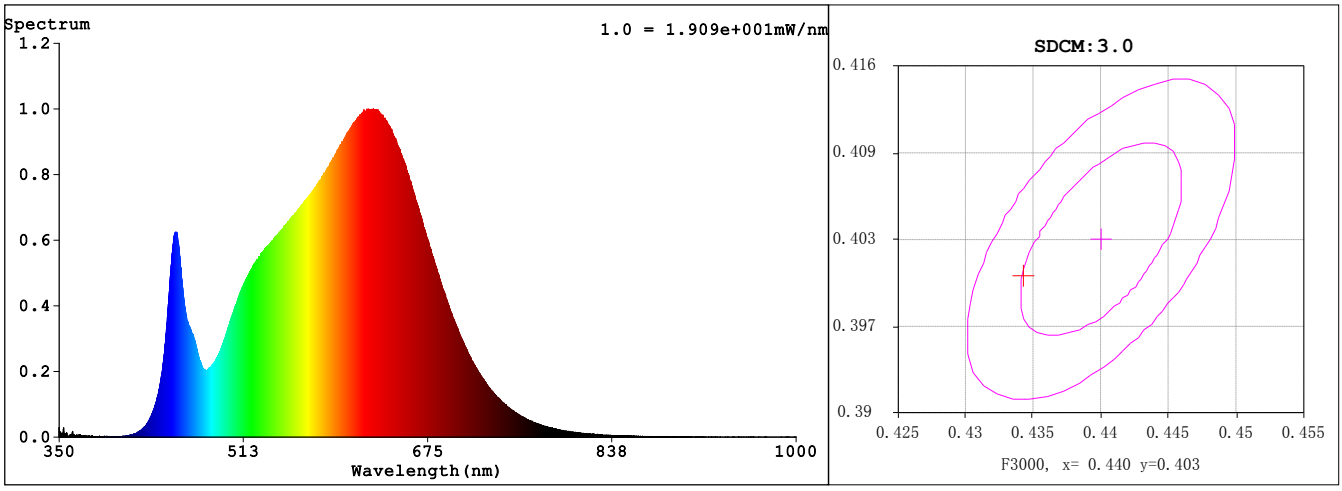
Spectrum Test Report

Sample	:	Date	: 2026-03-21
Specification	: S008120BC1LZ(M) 3000±300K	Sam. Status	: 1M
Sample No.	: 10101-1137-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: DNJ

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 52421 (80%)
Test Mode	: Fast Test	T	: 362 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4343 y = 0.4003 / u' = 0.2505 v' = 0.5195 (duv=-1.13e-03)

CCT= 3015K Prcp WL: Ld=583.2nm Purity=50.5%

Peak WL: Lp=627nm FWHM: =166.1nm Ratio:R=24.3% G=73.0% B=2.7%

Render Index: Ra = 93.5 TM30:Rf=92 Rg=101

R1 =94	R2 =96	R3 =96	R4 =94	R5 =93	R6 =94	R7 =94	
R8 =86	R9 =68	R10=89	R11=94	R12=78	R13=95	R14=97	R15=91

LEVEL:OUT

TLCI Parameters: TLCI = 92.8

Photometric & Radiometric Parameters

Flux = 951.30 lm Eff. : 90.88 lm/W Fe = 3.3604 W

EEI: 0.14193 A+

EEC: 90.9 F

Electrical parameters

V = 24.00 V I = 0.4362 A P = 10.47 W PF = 1.000

Freq=0.00 Hz

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