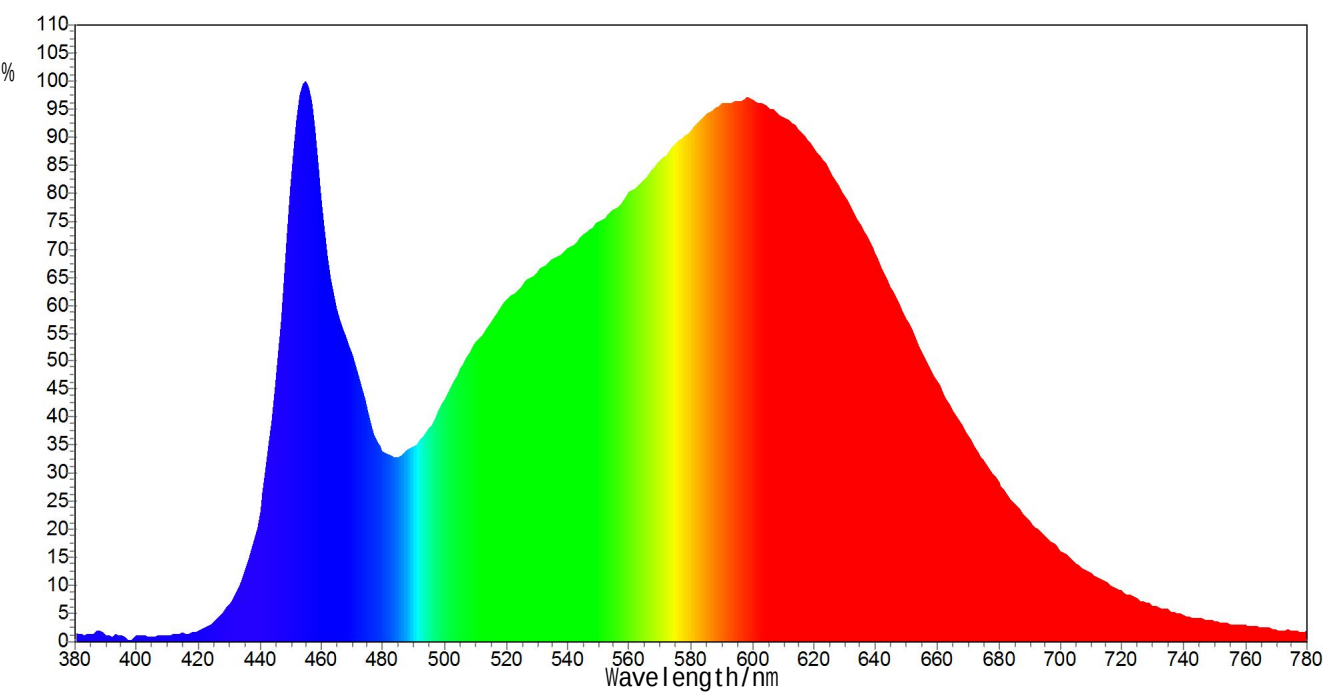
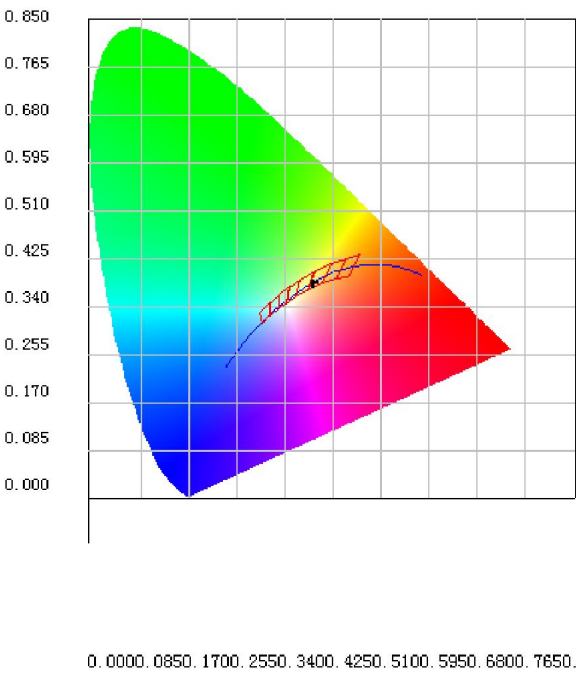


LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.3922 y: 0.3845
u: 0.2297 v: 0.3378
WD: 579.8 nm WP: 455.4 nm
HW: 25.2 nm Purity: 0.331
CCT: 3763 K Ra: 85.6
SDCM : 6.36 DUV : 0.0003
Ratio : R%: 36.9 G%: 43.3 B%: 19.8
Kred 17.27% Kgreen 78.41% Kblue 4.33%
R1: 84.2 R2: 92.2 R3: 96.9
R4: 83.7 R5: 84.9 R6: 89.7
R7: 85.5 R8: 67.4 R9: 23.0
R10: 81.0 R11: 79.6 R12: 59.7
R13: 86.0 R14: 98.6 R15: 78.4
Rf : 0.0 Rg : 0.0



Electrical parameters

Flux: 376.714 lm E: 37.751 lm/w P: 1242.82 mw
I: 415.8 mA V: 24.00 V P: 9.979 w PF:

Memo:

1M

Product Mode:	N025120BC1LZ 4000-4500K	Item No:	10301-0477-00
Tester:	DINGNANJUAN	Date:	2022-10-7
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	ipixel LED Light CO.,Ltd	organization:	

Spectrum Test Report

Sample :
Specification : N014060CC4DC0 R
Sample No. : 10305-0487-00
Manufacturer : iPixel LED

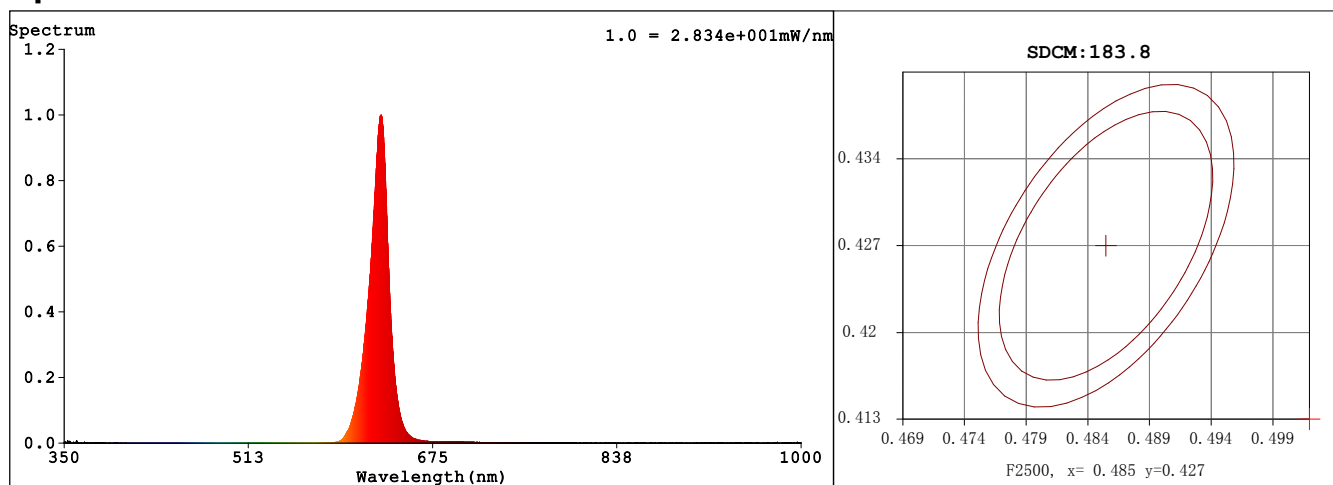
Date : 2023-10-08
Sam. Status : 5M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH	: 65.0%
IP	: 49993 (76%)
T	: 175 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6954$ $y = 0.3046$ / $u' = 0.5284$ $v' = 0.5207$ ($duv = -8.06e-02$)

CCT= 1001K Prcp WL: Ld=621.9nm Purity=100.0%

Peak WL: Lp=630nm FWHM: =17.0nm Ratio:R=98.4% G=1.6% B=0.0%

Render Index: Ra = 24.0 TM30:Rf=1 Rg=439250836499395770000000000000000

R1 =1 R2 =78 R3 =23 R4 =0 R5 =0 R6 =90 R7 =0

R8 = 0 R9 = 0 R10=72 R11=0 R12=79 R13=27 R14=55 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.6

Photometric & Radiometric Parameters

Flux = 119.93 lm Eff. : 3.89 lm/W Fe = 585.13 mW

EEI: 1.98652 E Lowest

EEC: 3.9 G

Electrical parameters

$$V = 24.00 \text{ V} \quad I = 1.284 \text{ A} \quad P = 30.82 \text{ W} \quad \text{PF} = 1.000$$

Freq=0.00 Hz

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iPixel LED

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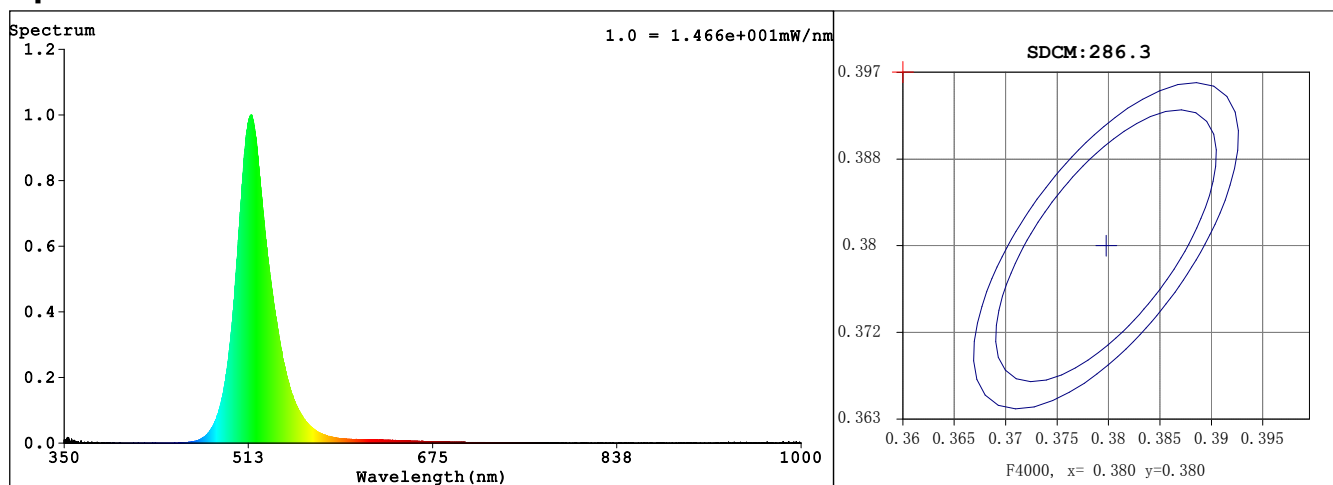
Spectrum Test Report

Sample	:		Date	:	2023-10-08
Specification	:	N014060CC4DC0 G	Sam. Status	:	5M
Sample No.	:	10305-0487-00	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	iPixel LED	Test by	:	DINGNANJUAN

Test Condition

Temperature	:	25.3 °C	RH	:	65.0%
WL Range	:	350nm-1000nm	IP	:	49870 (76%)
Test Mode	:	Accuracy Test	T	:	270 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1471$ $y = 0.7071$ / $u' = 0.0526$ $v' = 0.5687$ ($duv=1.62e-01$)

CCT= 8319K Prcp WL: $L_d=521.2nm$ Purity=74.7%

Peak WL: $L_p=515nm$ FWHM: $=30.6nm$ Ratio:R=0.8% G=95.7% B=3.6%

Render Index: $R_a = 0.0$ TM30:Rf=2 Rg=10

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:---

TLCI Parameters: TLCI = 4.4

Photometric & Radiometric Parameters

Flux = 238.92 lm Fe = 548.93 mW

EEL: -

EEC: -

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Spectrum Test Report

Sample :
Specification : N014060CC4DC0 B
Sample No. : 10305-0487-00
Manufacturer : iPixel LED

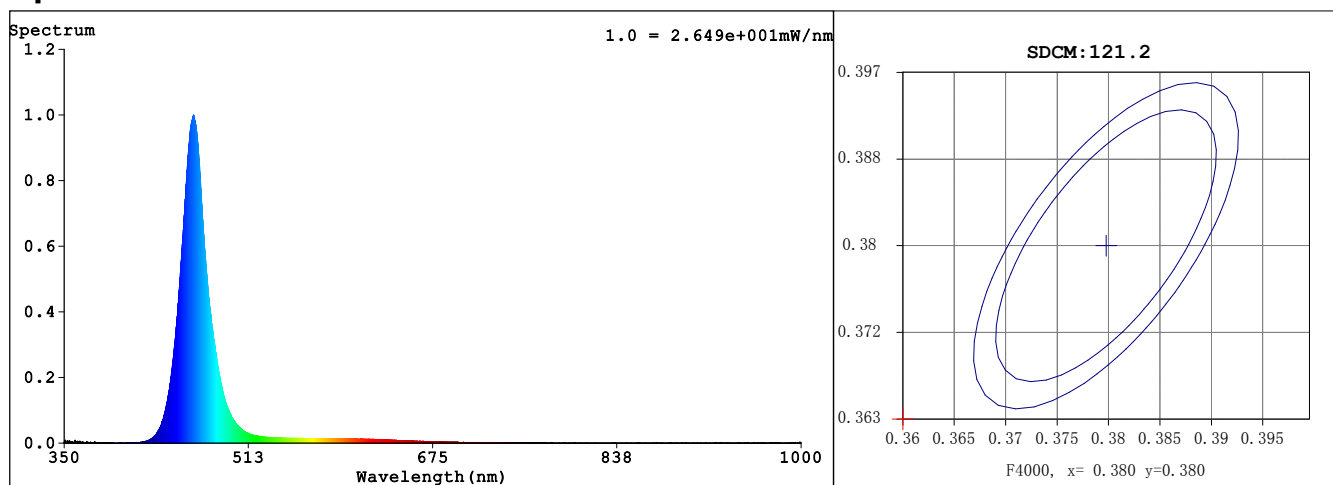
Date : 2023-10-08
Sam. Status : 5M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 50455 (77%)
T : 196 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1492$ $y = 0.0797$ / $u' = 0.1631$ $v' = 0.1961$ ($duv = -1.36e-01$)

CCT>=100000K Prcp WL: Ld=468.4nm Purity=89.8%

Peak WL: Lp=464nm FWHM: =23.9nm Ratio:R=5.1% G=35.1% B=59.8%

Render Index: Ra = 14.2 TM30:Rf=8 Rg=179

R1 =54 R2 =0 R3 =0 R4 =0 R5 =59 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=31 R14=0 R15=47

LEVEL:OUT

TLCI Parameters: TLCI = 7.7

Photometric & Radiometric Parameters

Flux = 72.191 lm Eff. : 2.35 lm/W Fe = 817.72 mW

EEL: 2.78691 E Lowest

EEC: 2.4 G

Electrical parameters

V = 24.00 V I = 1.279 A P = 30.70 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : N014060CC4DC0 6000-6500K
Sample No. : 10305-0487-00
Manufacturer : iPixel LED

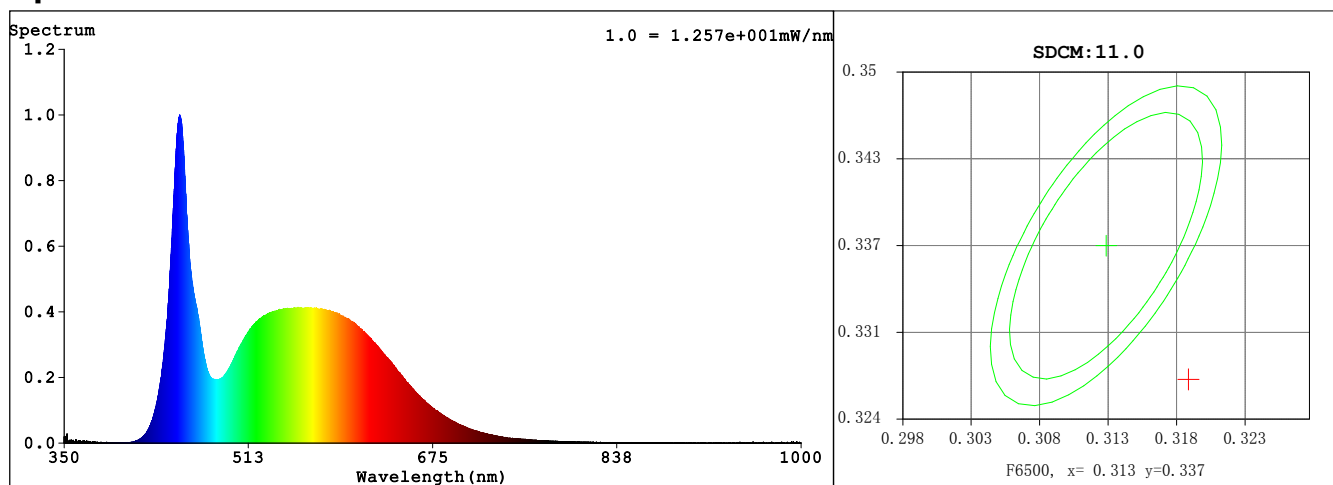
Date : 2023-10-08
Sam. Status : 5M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 49438 (75%)
T : 459 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3190$ $y = 0.3272$ / $u' = 0.2029$ $v' = 0.4683$ ($duv = -8.87e-04$)

CCT= 6175K Prpc WL: $L_d = 486.0nm$ Purity=5.3%

Peak WL: $L_p = 452nm$ FWHM: $= 19.3nm$ Ratio: R=14.6% G=80.0% B=5.4%

Render Index: $R_a = 85.8$ TM30: $R_f = 84$ $R_g = 97$

R1 =86 R2 =90 R3 =90 R4 =86 R5 =85 R6 =83 R7 =90

R8 =76 R9 =30 R10=73 R11=85 R12=58 R13=87 R14=94 R15=84

LEVEL:OUT

TLCI Parameters: TLCI = 75.8

Photometric & Radiometric Parameters

Flux = 340.29 lm Eff. : 11.10 lm/W $Fe = 1.1269 W$

EEL: 0.93192 D

EEC: 11.1 G

Electrical parameters

V = 24.00 V I = 1.278 A P = 30.67 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : N014060CC4DC0 Mixed
Sample No. : 10305-0487-00
Manufacturer : iPixel LED

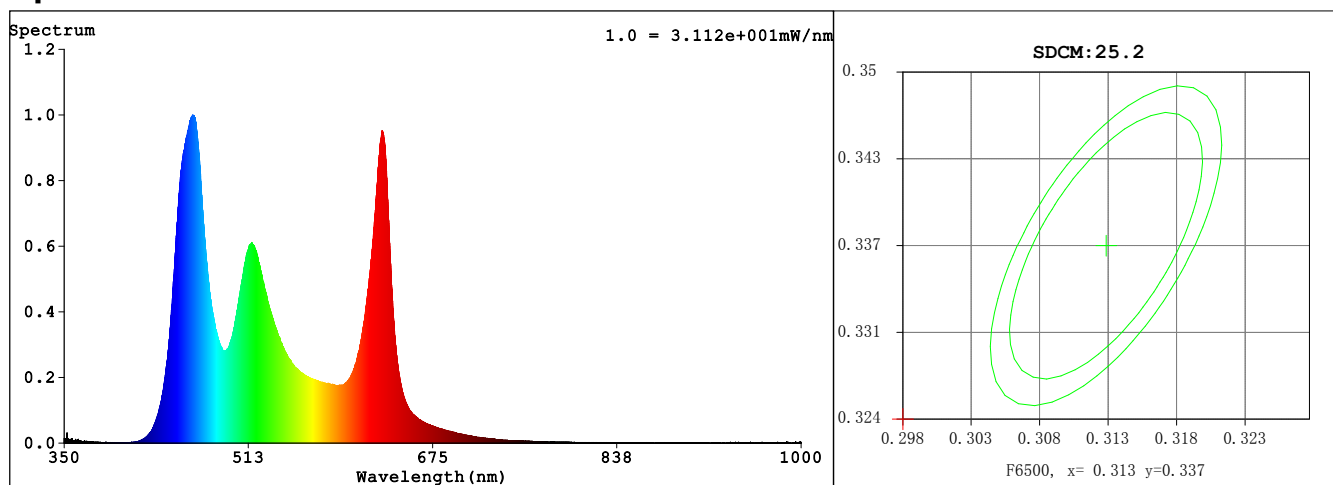
Date : 2023-10-08
Sam. Status : 5M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 50174 (77%)
T : 166 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2909$ $y = 0.2880$ / $u' = 0.1981$ $v' = 0.4413$ ($duv = -6.55e-03$)

CCT= 8926K Prcp WL: $L_d = 475.7nm$ Purity=18.8%

Peak WL: $L_p = 464nm$ FWHM: $= 30.6nm$ Ratio: R=21.4% G=69.3% B=9.3%

Render Index: $R_a = 61.3$ TM30: $R_f = 70$ $R_g = 113$

R1 =47 R2 =70 R3 =87 R4 =57 R5 =58 R6 =65 R7 =75

R8 =31 R9 =0 R10=33 R11=45 R12=63 R13=51 R14=89 R15=37

LEVEL:OUT

TLCI Parameters: TLCI = 47.5

Photometric & Radiometric Parameters

Flux = 742.56 lm Eff. : 7.66 lm/W $F_e = 2.9783 W$

EEL: 1.60676 E Lowest

EEC: 7.7 G

Electrical parameters

V = 24.00 V I = 4.042 A P = 96.99 W PF = 1.000

Freq=0.00 Hz

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Spectrum Test Report

Sample :
Specification : N025120BB1LZ 6500±400K
Sample No. : 10301-1251-00
Manufacturer : iPixel LED

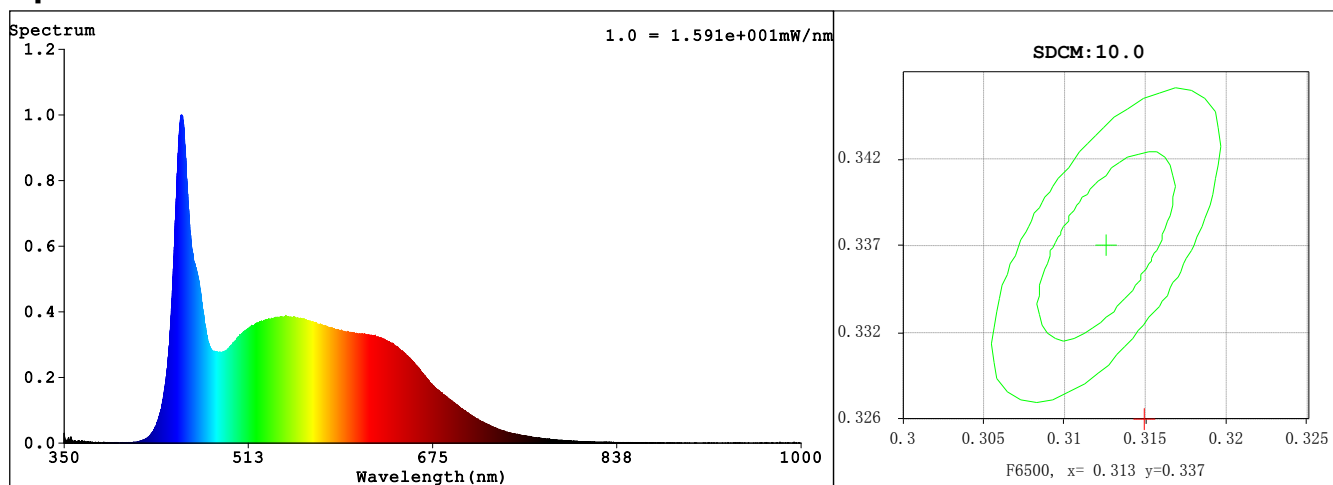
Date : 2025-11-13
Sam. Status : 1.92M
Instrument : HAAS-2000(EVERFINE)
Test by : LZN

Test Condition

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

RH : 65.0%
IP : 40560 (62%)
T : 408 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3154$ $y = 0.3244$ / $u' = 0.2015$ $v' = 0.4662$ ($duv = -5.69e-04$)

CCT= 6392K Prpc WL: $L_d = 485.0nm$ Purity=6.8%

Peak WL: $L_p = 454nm$ FWHM: $=22.4nm$ Ratio:R=15.7% G=77.5% B=6.8%

Render Index: $R_a = 94.3$ TM30:Rf=90 Rg=99

R1 =96 R2 =99 R3 =96 R4 =92 R5 =93 R6 =92 R7 =94

R8 =92 R9 =87 R10=95 R11=94 R12=65 R13=99 R14=98 R15=95

LEVEL:OUT

TLCI Parameters: TLCI = 93.4

Photometric & Radiometric Parameters

Flux = 414.26 lm Eff. : 30.23 lm/W $Fe = 1.5100 W$

EEI: 0.35862 B

EEC: 30.2 G

Electrical parameters

$V = 12.00 V$ $I = 1.142 A$ $P = 13.70 W$ PF = 1.000

Freq=0.00 Hz

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iPixel LED

<https://www.ipixelleds.com>