

Spectrum Test Report

Sample :
Specification : S010096TC4PZ R
Sample No. : 10103-0570-00
Manufacturer : iPixel LED

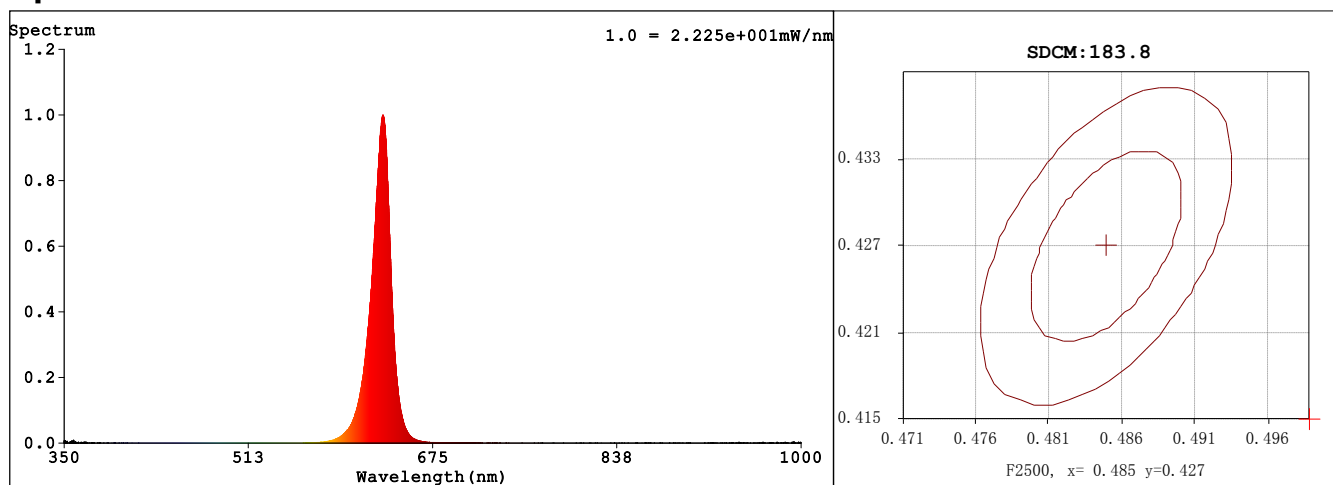
Date : 2025-02-19
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH	: 65.0%
IP	: 49652 (76%)
T	: 269 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6953$ $y = 0.3045$ / $u' = 0.5284$ $v' = 0.5207$ ($duv = -8.08e-02$)

CCT= 1001K Prcp WL: Ld=622.0nm Purity=100.0%

Peak WL: Lp=631nm FWHM: =17.1nm Ratio:R=96.0% G=4.0% B=-0.0%

Render Index: Ra = 26.0 TM30:Rf=1 Rg=2530913940957231400000000000000000

R1 =6 R2 =77 R3 =31 R4 =0 R5 =0 R6 =89 R7 =6

R8 = 0 R9 = 0 R10=71 R11=0 R12=79 R13=29 R14=60 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 3.0

Photometric & Radiometric Parameters

Flux = 91.434 lm Eff. : 25.80 lm/W Fe = 460.29 mW

EEI: 0.27488 B

EEC: 25.8 G

Electrical parameters

$$V = 24.00 \text{ V} \quad I = 0.1477 \text{ A} \quad P = 3.545 \text{ W} \quad \text{PF} = 1.000$$

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010096TC4PZ G
Sample No. : 10103-0570-00
Manufacturer : iPixel LED

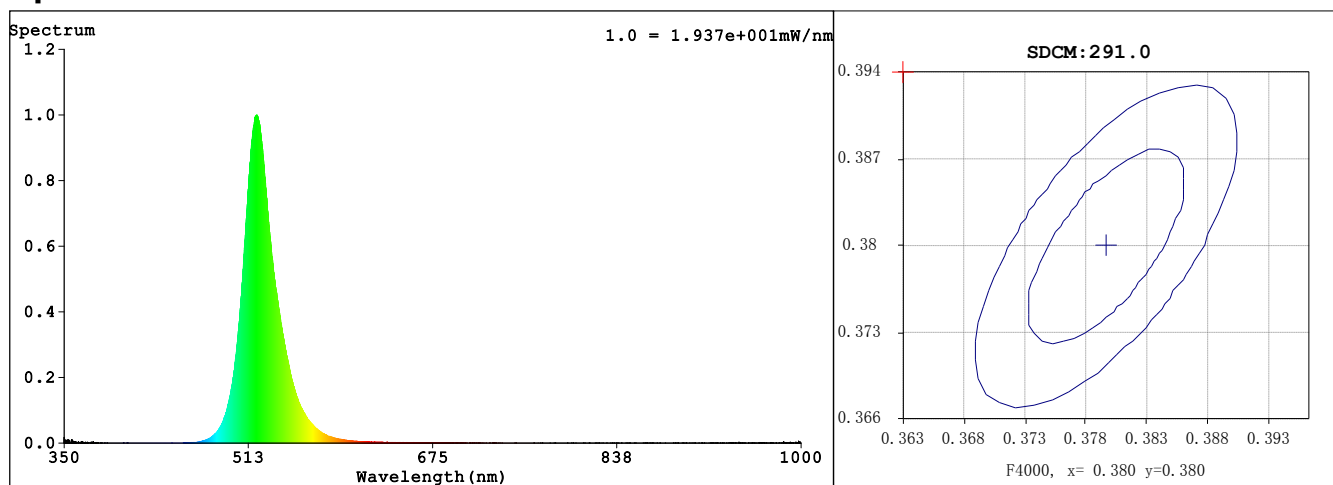
Date : 2025-02-19
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 53198 (81%)
T : 269 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1641$ $y = 0.7368$ / $u' = 0.0570$ $v' = 0.5760$ ($duv=1.60e-01$)

CCT= 7859K Prpc WL: Ld=526.9nm Purity=83.0%

Peak WL: Lp=520nm FWHM: =28.3nm Ratio:R=0.3% G=98.1% B=1.6%

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=34 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.7

Photometric & Radiometric Parameters

Flux = 328.93 lm Eff. : 82.67 lm/W Fe = 672.78 mW

EEI: 0.12404 A+

EEC: 82.7 G

Electrical parameters

V = 24.00 V I = 0.1658 A P = 3.979 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010096TC4PZ B
Sample No. : 10103-0570-00
Manufacturer : iPixel LED

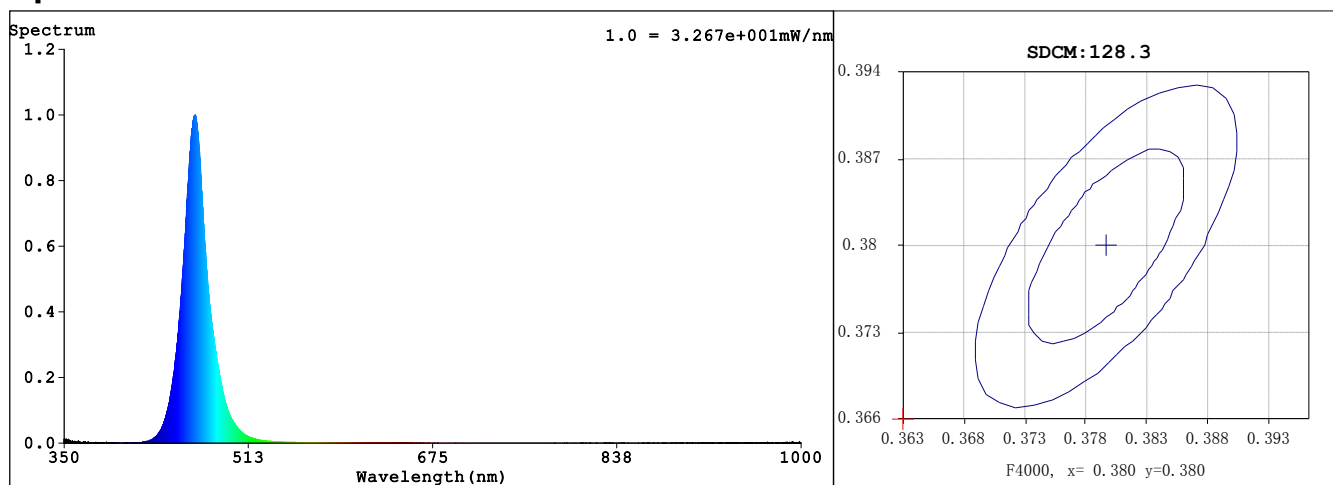
Date : 2025-02-19
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 50353 (77%)
T : 199 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1341$ $y = 0.0635$ / $u' = 0.1536$ $v' = 0.1635$ ($duv = -1.59e-01$)

CCT>=100000K Prcp WL: Ld=469.0nm Purity=96.4%

Peak WL: Lp=466nm FWHM: =22.1nm Ratio:R=0.6% G=16.9% B=82.5%

Render Index: Ra = 0.7 TM30:Rf=0 Rg=-104

R1 =0 R2 =0 R3 =0 R4 =0 R5 =6 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=2

LEVEL:OUT

TLCI Parameters: TLCI = 1.0

Photometric & Radiometric Parameters

Flux = 63.343 lm Eff. : 16.87 lm/W Fe = 902.73 mW

EEL: 0.37157 B

EEC: 16.9 G

Electrical parameters

V = 24.00 V I = 0.1565 A P = 3.756 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010096TC4PZ 6500±400K
Sample No. : 10103-0570-00
Manufacturer : iPixel LED

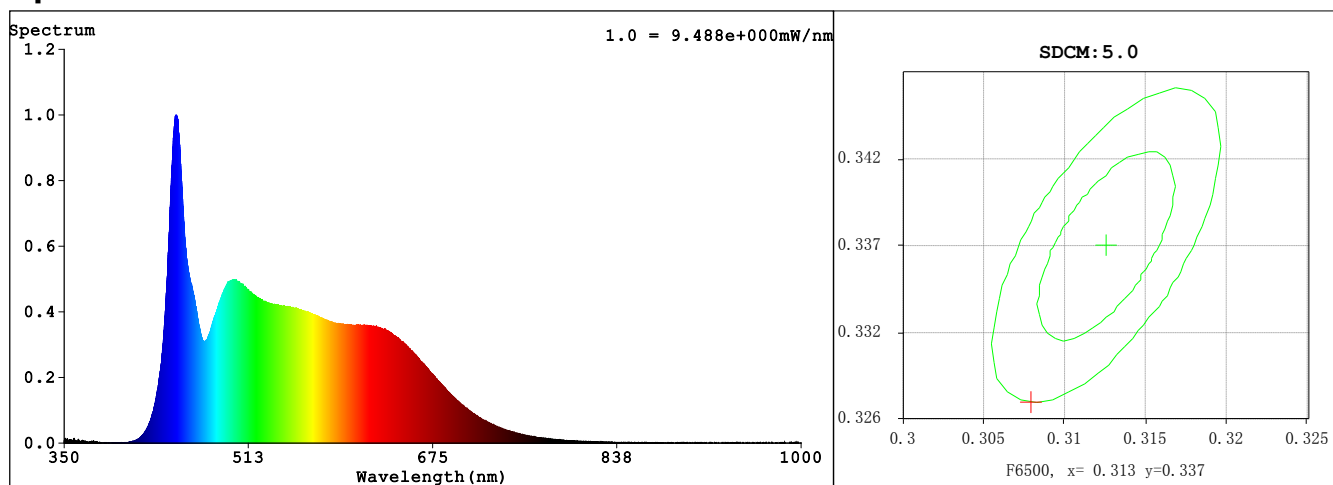
Date : 2025-02-19
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 49525 (76%)
T : 783 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3084$ $y = 0.3273$ / $u' = 0.1954$ $v' = 0.4668$ ($duv=4.56e-03$)

CCT= 6760K Prcp WL: $L_d=488.6nm$ Purity=8.9%

Peak WL: $L_p=449nm$ FWHM: $=20.2nm$ Ratio:R=15.2% G=77.3% B=7.5%

Render Index: $R_a = 98.1$ TM30:Rf=95 Rg=100

R1 =98 R2 =100 R3 =99 R4 =99 R5 =98 R6 =97 R7 =98

R8 =96 R9 =91 R10=99 R11=97 R12=80 R13=99 R14=99 R15=96

LEVEL:OUT

TLCI Parameters: TLCI = 98.8

Photometric & Radiometric Parameters

Flux = 277.31 lm Eff. : 66.64 lm/W $Fe = 1.0292 W$

EEL: 0.14734 A+

EEC: 66.6 G

Electrical parameters

V = 24.00 V I = 0.1734 A P = 4.161 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S010096TC4PZ Mixed
Sample No. : 10103-0570-00
Manufacturer : iPixel LED

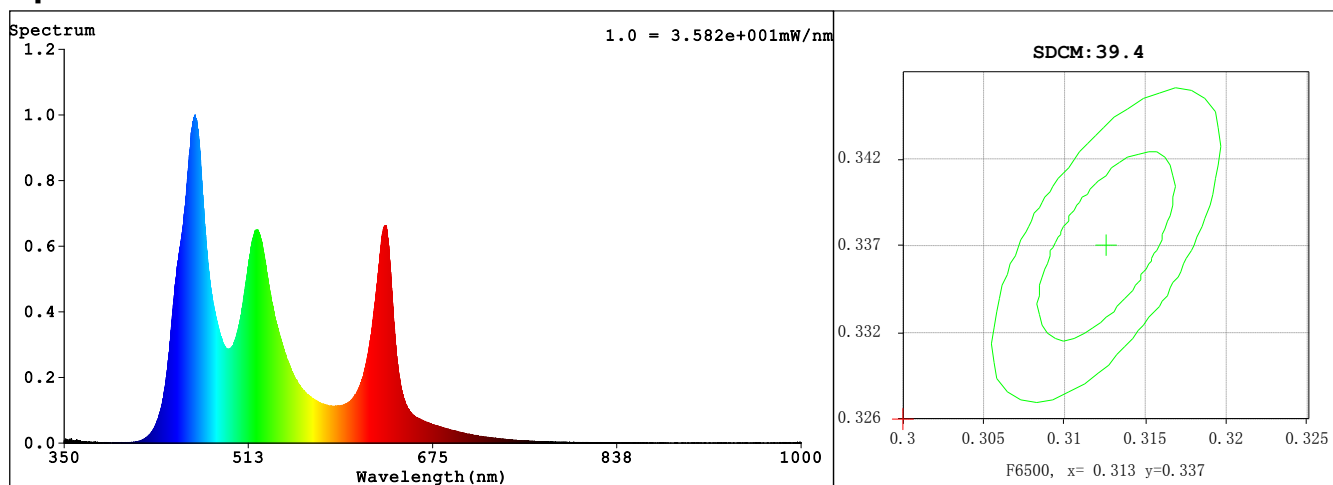
Date : 2025-02-19
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : DINGNANJUAN

Test Condition

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

RH : 65.0%
IP : 53913 (82%)
T : 195 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2578$ $y = 0.2938$ / $u' = 0.1716$ $v' = 0.4399$ ($duv=1.71e-02$)

CCT= 12463K Prpc WL: $L_d=484.7nm$ Purity=28.7%

Peak WL: $L_p=466nm$ FWHM: $=29.8nm$ Ratio:R=16.4% G=73.1% B=10.5%

Render Index: $R_a = 75.7$ TM30:Rf=71 Rg=105

R1 =72 R2 =81 R3 =86 R4 =81 R5 =82 R6 =80 R7 =74

R8 =49 R9 =0 R10=57 R11=76 R12=71 R13=70 R14=90 R15=60

LEVEL:OUT

TLCI Parameters: TLCI = 38.9

Photometric & Radiometric Parameters

Flux = 748.40 lm Eff. : 47.85 lm/W $Fe = 3.0215 W$

EEL: 0.25750 B

EEC: 47.8 G

Electrical parameters

V = 24.00 V I = 0.6518 A P = 15.64 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120TC4PZ R
Sample No. : 10103-0588-00
Manufacturer : iPixel LED

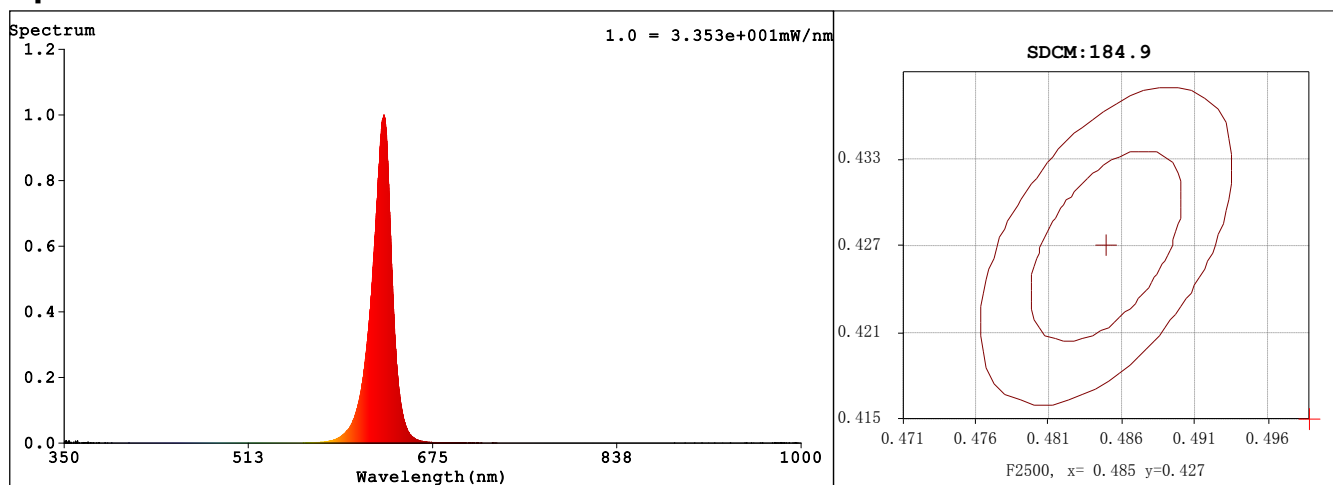
Date : 2025-03-16
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH	: 65.0%
IP	: 49734 (76%)
T	: 179 ms
Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6965$ $y = 0.3035$ / $u' = 0.5307$ $v' = 0.5204$ ($duv = -8.28e-02$)

CCT= 1001K Prcp WL: Ld=622.5nm Purity=100.0%

Peak WL: Lp=632nm FWHM: =17.4nm Ratio:R=96.2% G=3.8% B=-0.0%

Render Index: Ra = 25.9 TM30:Rf=1 Rg=9561502240229277300000000000000000

R1 =5 R2 =77 R3 =30 R4 =0 R5 =0 R6 =88 R7 =6

R8 = 0 R9 = 0 R10 = 71 R11 = 0 R12 = 79 R13 = 28 R14 = 59 R15 = 0

LEVEL:OUT

TLCI Parameters: TLCI = 3.1

Photometric & Radiometric Parameters

Flux = 136.98 lm Eff. : 25.19 lm/W Fe = 703.03 mW

EEI: 0.31966 B

EEC: 25.2 G

Electrical parameters

$$V = 24.00 \text{ V} \quad I = 0.2266 \text{ A} \quad P = 5.438 \text{ W} \quad \text{PF} = 1.000$$

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120TC4PZ G
Sample No. : 10103-0588-00
Manufacturer : iPixel LED

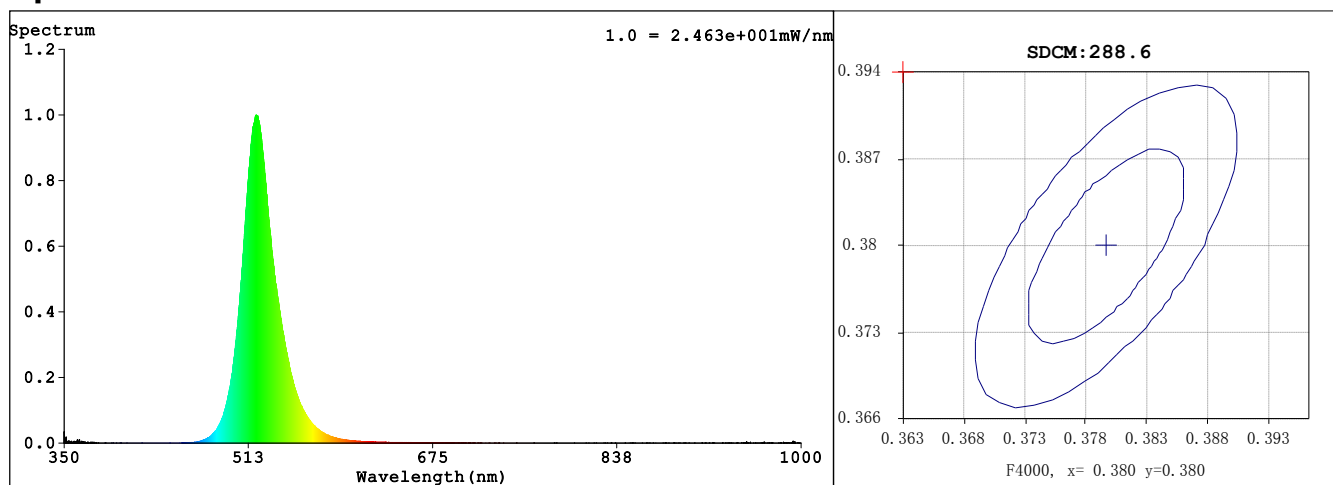
Date : 2025-03-16
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 44906 (69%)
T : 179 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1638$ $y = 0.7316$ / $u' = 0.0572$ $v' = 0.5750$ ($duv=1.60e-01$)

CCT= 7889K Prpc WL: Ld=526.4nm Purity=81.6%

Peak WL: Lp=519nm FWHM: =30.0nm Ratio:R=0.3% G=97.8% B=1.9%

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=36 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.8

Photometric & Radiometric Parameters

Flux = 431.77 lm Eff. : 72.29 lm/W Fe = 891.93 mW

EEL: 0.15144 A+

EEC: 72.3 G

Electrical parameters

V = 24.00 V I = 0.2489 A P = 5.973 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120TC4PZ B
Sample No. : 10103-0588-00
Manufacturer : iPixel LED

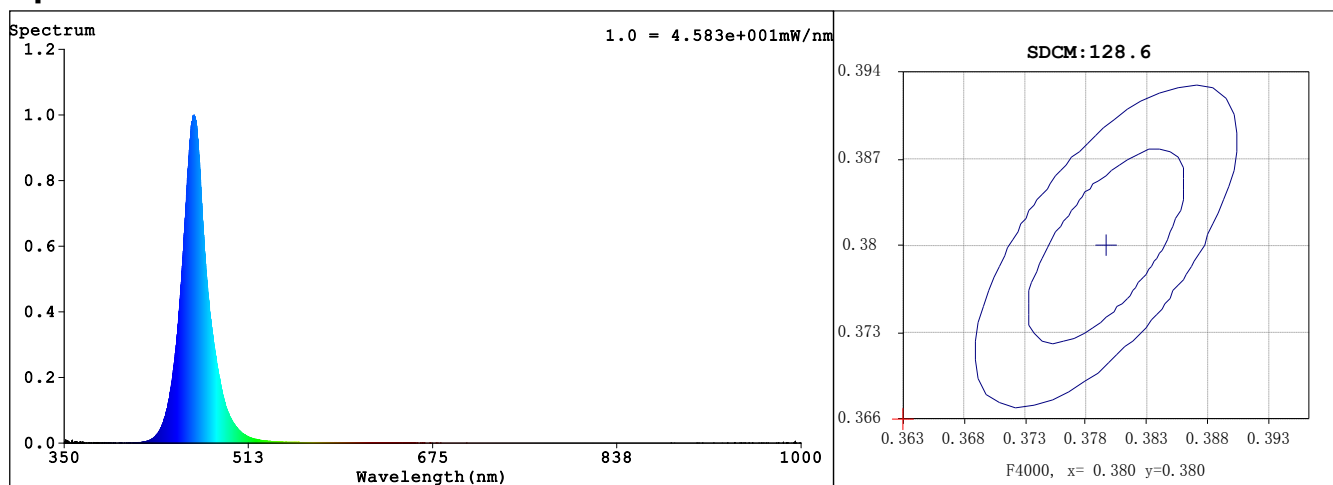
Date : 2025-03-16
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 50454 (77%)
T : 142 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1353$ $y = 0.0612$ / $u' = 0.1562$ $v' = 0.1591$ ($duv = -1.62e-01$)

CCT>=100000K Prcp WL: Ld=468.4nm Purity=96.4%

Peak WL: Lp=465nm FWHM: =22.2nm Ratio:R=0.7% G=16.9% B=82.4%

Render Index: Ra = 0.8 TM30:Rf=0 Rg=-122

R1 =0 R2 =0 R3 =0 R4 =0 R5 =6 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 = 1.0

Photometric & Radiometric Parameters

Flux = 87.246 lm Eff. : 15.81 lm/W Fe = 1.2661 W

EEI: 0.44175 B

EEC: 15.8 G

Electrical parameters

V = 24.00 V I = 0.2300 A P = 5.520 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120TC4PZ 4000±300K
Sample No. : 10103-0588-00
Manufacturer : iPixel LED

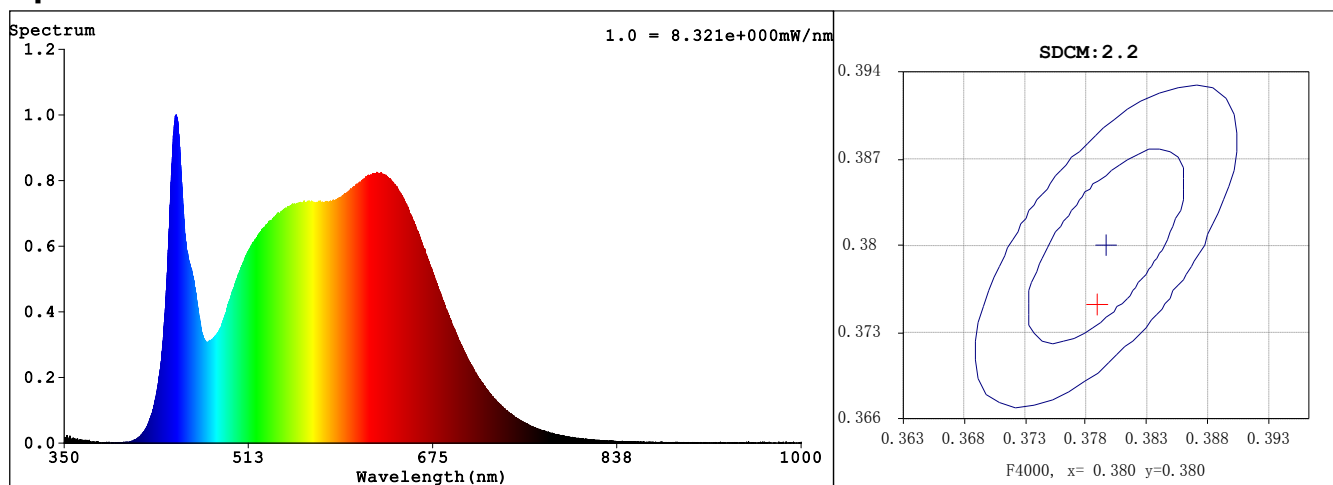
Date : 2025-03-16
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 50127 (76%)
T : 787 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3793$ $y = 0.3752$ / $u' = 0.2250$ $v' = 0.5007$ ($duv = -4.07e-04$)

CCT= 4019K Prpc WL: $L_d = 579.2nm$ Purity=26.4%

Peak WL: $L_p = 449nm$ FWHM: $= 23.4nm$ Ratio: R=19.9% G=76.1% B=4.0%

Render Index: $R_a = 94.3$ TM30: $R_f = 93$ $R_g = 101$

R1 =95 R2 =95 R3 =93 R4 =95 R5 =94 R6 =92 R7 =97

R8 =94 R9 =82 R10=87 R11=94 R12=73 R13=95 R14=95 R15=95

LEVEL:OUT

TLCI Parameters: TLCI = 95.2

Photometric & Radiometric Parameters

Flux = 420.82 lm Eff. : 66.78 lm/W $Fe = 1.4929 W$

EEL: 0.16295 A+

EEC: 66.8 G

Electrical parameters

V = 24.00 V I = 0.2626 A P = 6.302 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>

Spectrum Test Report

Sample :
Specification : S012120TC4PZ Mixed
Sample No. : 10103-0588-00
Manufacturer : iPixel LED

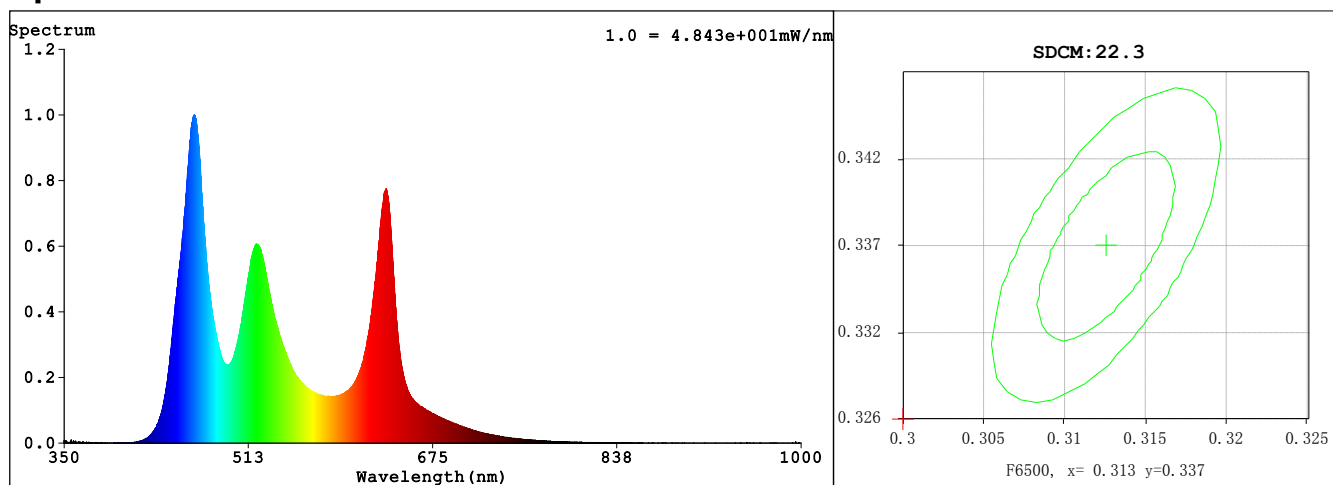
Date : 2025-03-16
Sam. Status : 1M
Instrument : HAAS-2000(EVERFINE)
Test by : LINZINA

Test Condition

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

RH : 65.0%
IP : 49952 (76%)
T : 133 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2830$ $y = 0.3005$ / $u' = 0.1874$ $v' = 0.4477$ ($duv=4.88e-03$)

CCT= 9169K Prcp WL: $L_d=482.8nm$ Purity=19.8%

Peak WL: $L_p=465nm$ FWHM: $=26.5nm$ Ratio:R=19.3% G=71.5% B=9.2%

Render Index: $R_a = 67.3$ TM30:Rf=70 Rg=110

R1 =57 R2 =77 R3 =87 R4 =67 R5 =69 R6 =74 R7 =73

R8 =34 R9 =0 R10=49 R11=60 R12=69 R13=60 R14=90 R15=45

LEVEL:OUT

TLCI Parameters: TLCI = 41.2

Photometric & Radiometric Parameters

Flux = 1055.1 lm Eff. : 44.81 lm/W Fe = 4.2792 W

EEI: 0.29329 B

EEC: 44.8 G

Electrical parameters

V = 24.00 V I = 0.9812 A P = 23.55 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>