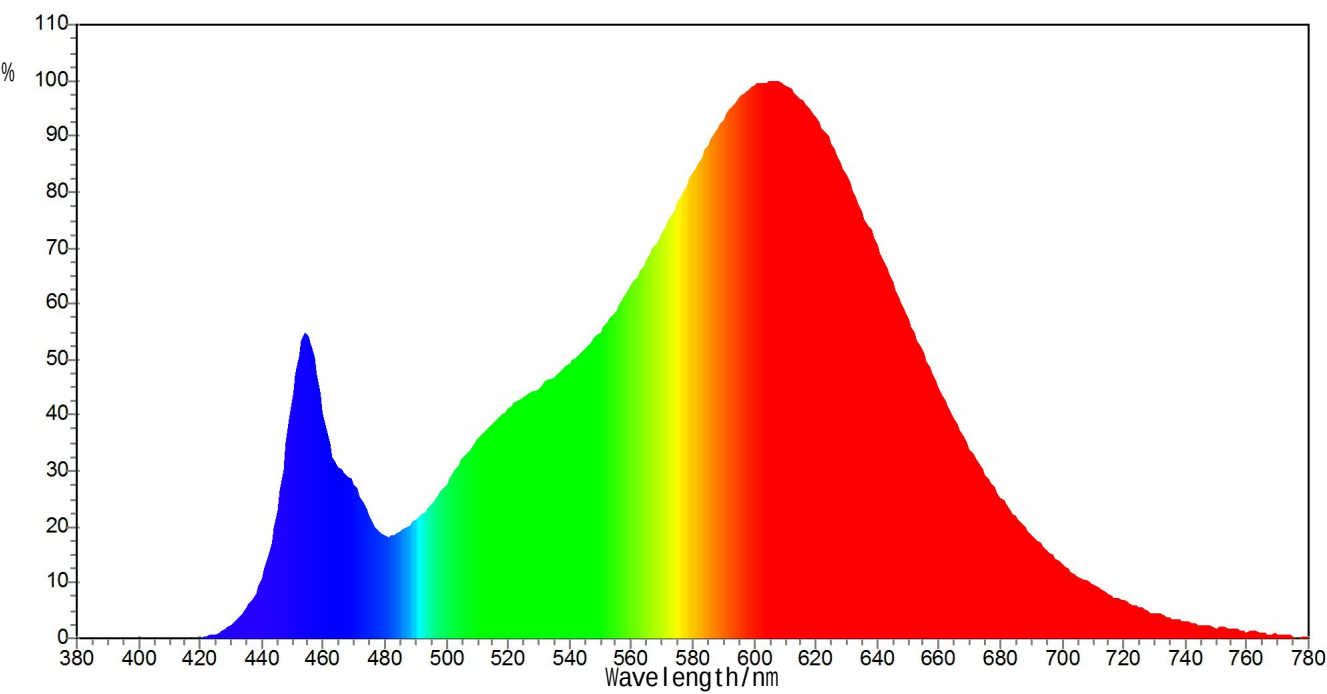
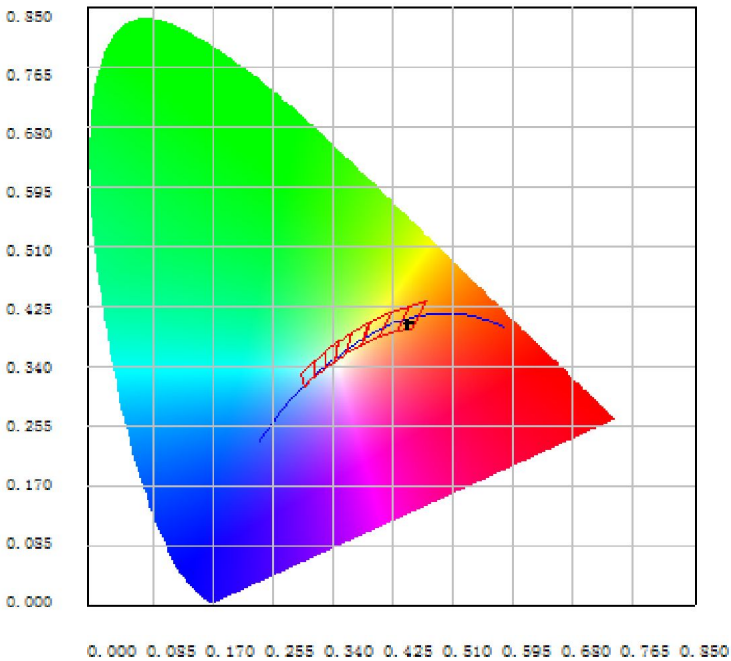


LED Photometric Colorimetric and Electric Test Report



Spectrum Parameters

x: 0.4473 y: 0.4040
u: 0.2573 v: 0.3486
WD: 584.0 nm WP: 606.8 nm
HW: 114.7 nm Purity: 0.555
CCT: 2832 K Ra: 81.9
SDCM : 8.13 DUV : -0.0013
Ratio : R%: 44.5 G%: 42.6 B%: 12.9
Kred 21.42% Kgreen 75.60% Kblue 2.98%
R1: 80.7 R2: 92.3 R3: 94.3
R4: 79.6 R5: 82.2 R6: 91.9
R7: 78.9 R8: 55.0 R9: 4.3
R10: 82.8 R11: 69.8 R12: 69.5
R13: 83.2 R14: 97.8 R15: 72.4
Rf : 0.0 Rg : 0.0



Electrical parameters

Flux: 525.419 lm E: 114.7 lm/w P: 1590.36 mw
I: 2566.2 mA V: 12.00 V P: 30.794 w PF:

Memo:

5M

Product Mode:	N012120BB1LZ 2800-3200K	Item No:	51800228
Tester:	LIUYUANFEN	Date:	2020-12-28
Temperature:	28 ()	Humidity:	71 (%)
Manufacturer:	iPixel LED LightCo Ltd	organization:	Quality department

Spectrum Test Report

Sample :
Specification : N012120BC1LZ 3000±300K
Sample No. : 10301-0796-00
Manufacturer : iPixel LED

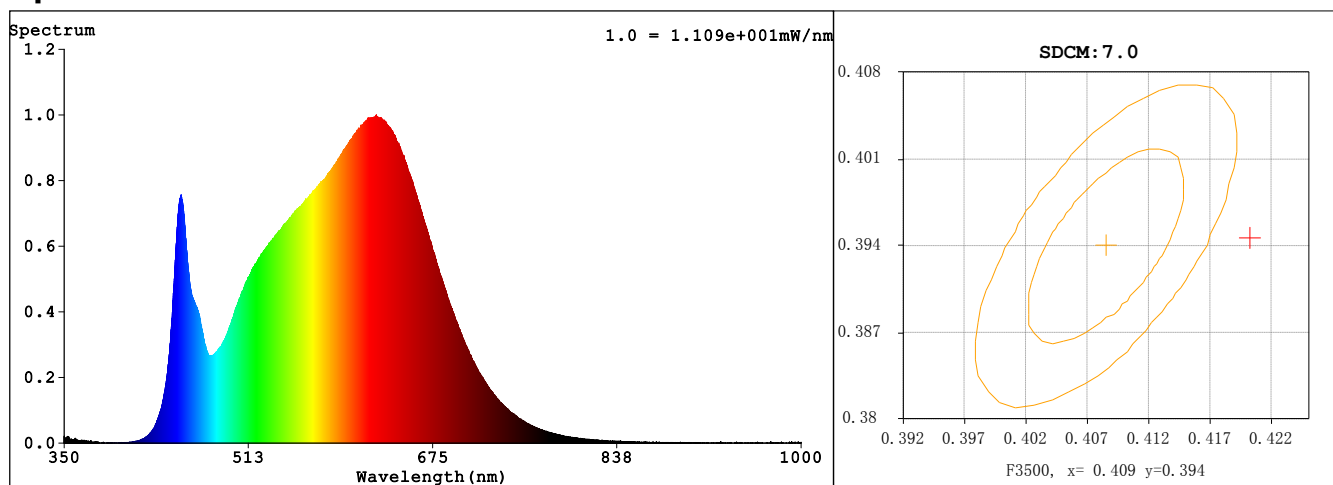
Date : 2025-06-12
Sam. Status : 0.5M
Instrument : HAAS-2000(EVERFINE)
Test by : DNJ

Test Condition

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

RH : 65.0%
IP : 51150 (78%)
T : 564 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4207$ $y = 0.3947$ / $u' = 0.2441$ $v' = 0.5152$ ($duv = -1.35e-03$)

CCT= 3215K Prpc WL: $L_d = 582.5\text{nm}$ Purity=44.7%

Peak WL: $L_p = 625\text{nm}$ FWHM: $= 171.9\text{nm}$ Ratio: R=23.2% G=73.6% B=3.2%

Render Index: $R_a = 94.1$ TM30: $R_f = 92$ $R_g = 100$

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

R8 =87 R9 =71 R10=91 R11=94 R12=76 R13=96 R14=98 R15=93

LEVEL:OUT

TLCI Parameters: TLCI = 94.3

Photometric & Radiometric Parameters

Flux = 576.71 lm Eff. : 94.24 lm/W $F_e = 2.0264\text{ W}$

EEL: 0.12390 A+

EEC: 94.2 F

Electrical parameters

V = 24.00 V I = 0.2550 A P = 6.119 W PF = 1.000

Freq=0.00 Hz

GBT5702

iPixel LED

<https://www.ipixelleds.com>