

Spectrum Test Report

Sample :
Specification : ORRGB-K252-0968ZH
Sample No. : 2.1
Manufacturer :

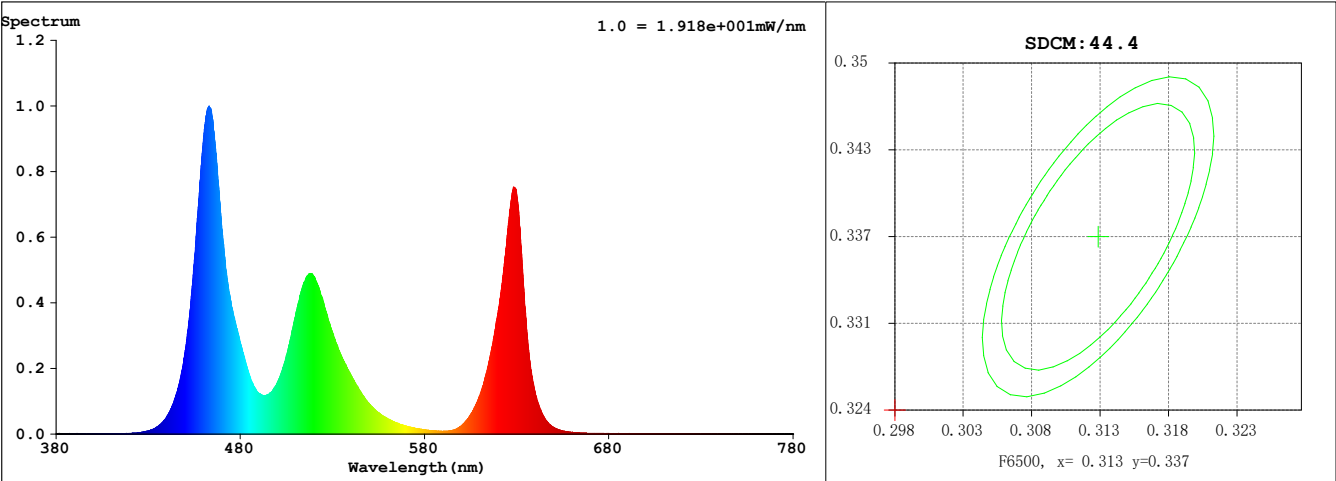
Date : 2025-05-05 16:06:50
Sam. Status : RGB
Instrument : HAAS-2000(EVERFINE)
Test by : FSH
Assessor : damin

Test Condition

Temprature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 51264 (78%)
T : 929 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2539$ $y = 0.2632$ / $u' = 0.1797$ $v' = 0.4192$ ($duv=4.69e-03$) $Dx,Dy:-0.0038,0.0039$
CCT= 18945K Prcp WL: $L_d=479.1nm$ Purity=33.3%
Peak WL: $L_p=463nm$ FWHM: $=17.6nm$ Ratio:R=23.4% G=65.2% B=11.4%
Render Index: $R_a = 44.9$
R1 =25 R2 =58 R3 =74 R4 =44 R5 =48 R6 =54 R7 =56
R8 =0 R9 =0 R10=2 R11=30 R12=59 R13=30 R14=80 R15=7
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 235.75 lm Eff. : 25.87 lm/W $Fe = 1.0125 W$
(EQE):768.44%
Flux of emitted photons($\mu mol/s$):4.4399 Fluo. and blue light ratio:0.3490 Fluorescent eff.:20.39
A: $2.9500e-001mW$ B: $1.0125e+003mW$

Electrical parameters

$V = 230.6 V$ $I = 0.05574 A$ $P = 9.114 W$ PF = 0.7091
Freq=49.99 Hz

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Sample :
Specification : ORRGB-K252-0968ZH
Sample No. : 2.1
Manufacturer :

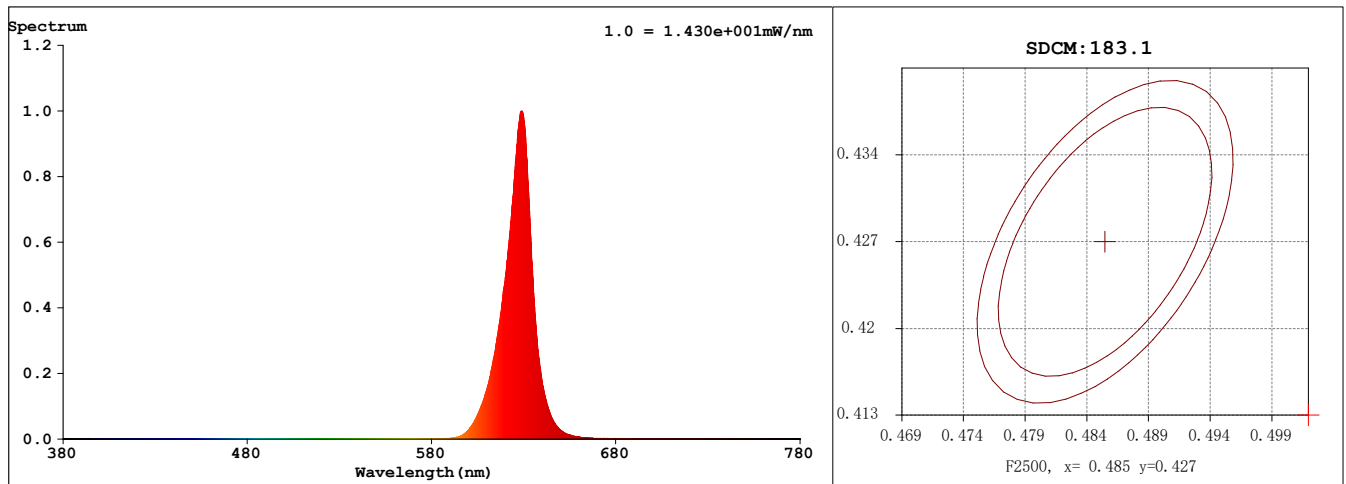
Date : 2025-05-05 16:07:40
Sam. Status : R
Instrument : HAAS-2000(EVERFINE)
Test by : FSH
Assessor : damin

Test Condition

Temprature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 50637 (77%)
T : 929 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6946$ $y = 0.3051$ / $u' = 0.5270$ $v' = 0.5208$ ($duv = -7.94e-02$) $Dx, Dy: 0.0419, -0.0394$

CCT= 1001K Prcp WL: $L_d = 621.7nm$ Purity=99.9%

Peak WL: $L_p = 629nm$ FWHM: $= 14.7nm$ Ratio: R=98.5% G=1.5% B=0.0%

Render Index: $R_a = 24.3$

R1 =2 R2 =78 R3 =24 R4 =0 R5 =0 R6 =91 R7 =0
R8 =0 R9 =0 R10=71 R11=0 R12=79 R13=28 R14=56 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 55.049 lm Eff. : 14.68 lm/W $F_e = 258.79 mW$

(EQE):309.82%

Flux of emitted photons($\mu mol/s$):1.3528 Fluo. and blue light ratio:5572 Fluorescent eff.:26.64

A: $1.0596e-001mW$

B: $2.5879e+002mW$

Electrical parameters

V = 230.6 V I = 0.04212 A P = 3.749 W PF = 0.3860

Freq=49.99 Hz

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Sample :
Specification : ORRGB-K252-0968ZH
Sample No. : 2.1
Manufacturer :

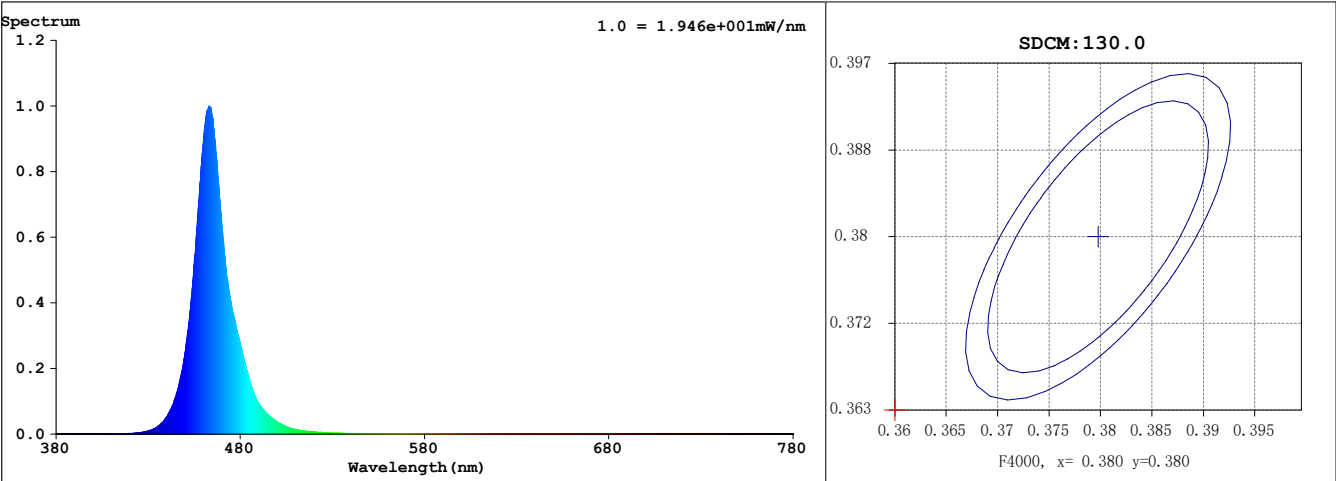
Date : 2025-05-05 16:08:34
Sam. Status : B
Instrument : HAAS-2000(EVERFINE)
Test by : FSH
Assessor : damin

Test Condition

Temprature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 39773 (61%)
T : 726 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1355$ $y = 0.0551$ / $u' = 0.1599$ $v' = 0.1462$ ($duv = -1.70e-01$) $Dx, Dy: -0.1071, -0.1831$
CCT $\geq$ 100000K Prcp WL: $L_d = 467.5nm$ Purity=97.4%
Peak WL: $L_p = 463nm$ FWHM: $=17.7nm$ Ratio:R=0.4% G=12.3% B=87.2%
Render Index: $R_a = 0.3$
R1 =0 R2 =0 R3 =0 R4 =0 R5 =2 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 28.355 lm Eff. : 7.94 lm/W $F_e = 445.28 mW$
(EQE):406.06%
Flux of emitted photons($\mu mol/s$):1.7337 Fluo. and blue light ratio:0.1412 Fluorescent eff.:5.805
A: $2.0644e-001mW$ B: $4.4528e+002mW$

Electrical parameters

V = 230.6 V I = 0.04119 A P = 3.572 W PF = 0.3760
Freq=49.99 Hz

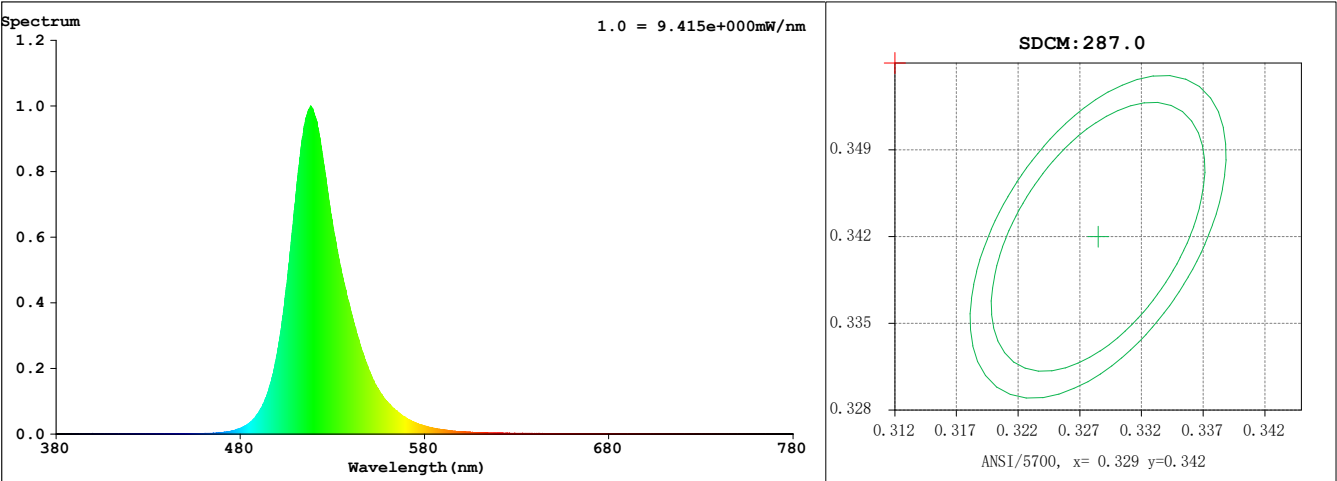
Spectrum Test Report

Sample	:		Date	:	2025-05-05 16:08:01
Specification	:	ORRGB-K252-0968ZH	Sam. Status	:	G
Sample No.	:	2.1	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:		Test by	:	FSH
			Assessor	:	damin

Test Condition

Temprature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52542 (80%)
Test Mode	:	Fast Test	T	:	1453 ms
			Sensitivity	:	High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1578$ $y = 0.7360$ / $u' = 0.0548$ $v' = 0.5752$ ($duv=1.62e-01$) $Dx, Dy: -0.1378, 0.4308$

CCT= 7965K Prcp WL: $L_d=525.6nm$ Purity=82.1%

Peak WL: $L_p=518nm$ FWHM: $=28.6nm$ Ratio: $R=0.3\%$ $G=98.0\%$ $B=1.7\%$

Render Index: $R_a = 0.0$

$R1 = 0$	$R2 = 0$	$R3 = 0$	$R4 = 0$	$R5 = 0$	$R6 = 0$	$R7 = 0$	
$R8 = 0$	$R9 = 0$	$R10 = 0$	$R11 = 0$	$R12 = 0$	$R13 = 0$	$R14 = 34$	$R15 = 0$

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 156.31 lm Eff. : 42.51 lm/W $F_e = 324.36 mW$

(EQE):329.22%

Flux of emitted photons($\mu mol/s$):1.4199 Fluo. and blue light ratio:232.2 Fluorescent eff.:33.66

A: $7.0663e-002mW$

B: $3.2436e+002mW$

Electrical parameters

$V = 230.6 V$ $I = 0.04161 A$ $P = 3.677 W$ PF = 0.3832

Freq=49.99 Hz