

Date : 2026-07-16
Test by : E.V.
Specification : AL-SL-DL-CC-IP20-24-RGB4K
Sample No. : 1

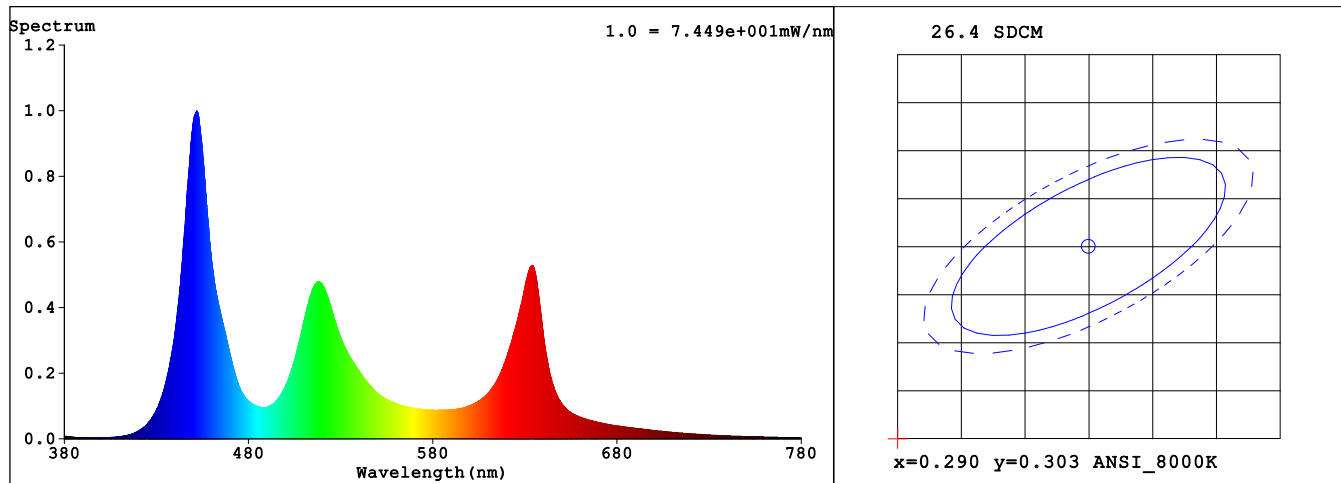
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 52136 (80%)
T : 107 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2670$ $y = 0.2557$ / $u' = 0.1929$ $v' = 0.4158$ ($duv = -7.31e-03$)

CCT= 16832K Prcp WL: Ld=473.5nm Purity=30.3%

Peak WL: Lp=452nm FWHM: =17.6nm Ratio:R=19.3% G=73.2% B=7.5%

Render Index: Ra = 63.2 CRI = 56.9 TM30:Rf=71 Rg=122

EEL: 0.22095 A

R1 =52 R2 =86 R3 =71 R4 =47 R5 =65 R6 =85 R7 =73

R8 =27 R9 =0 R10=70 R11=28 R12=72 R13=60 R14=81 R15=38

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1052.5 lm Eff. : 59.45 lm/W Fe = 4.5514 W

Electrical parameters

V = 24.00 V I = 0.7377 A P = 17.70 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

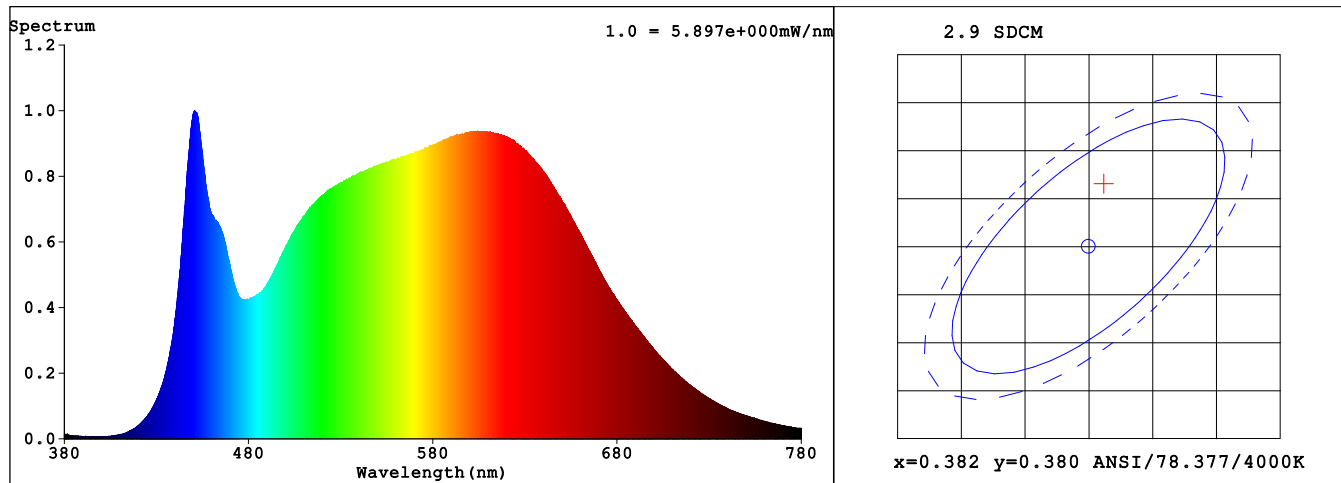
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 51461 (79%)
T : 697 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3830$ $y = 0.3863$ / $u' = 0.2230$ $v' = 0.5061$ ($duv=3.81e-03$)

CCT= 4001K Prcp WL: $L_d=577.3nm$ Purity=30.9%

Peak WL: $L_p=451nm$ FWHM: $=28.4nm$ Ratio:R=19.0% G=76.7% B=4.2%

Render Index: $R_a = 91.4$ CRI = 87.4 TM30:Rf=91 Rg=97

EEL: 0.13233 A+

R1 =91 R2 =95 R3 =97 R4 =91 R5 =90 R6 =92 R7 =94

R8 =83 R9 =55 R10=86 R11=91 R12=70 R13=92 R14=98 R15=87

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 350.39 lm Eff.: 78.71 lm/W $Fe = 1.1645 W$

Electrical parameters

V = 24.00 V I = 0.1855 A P = 4.452 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

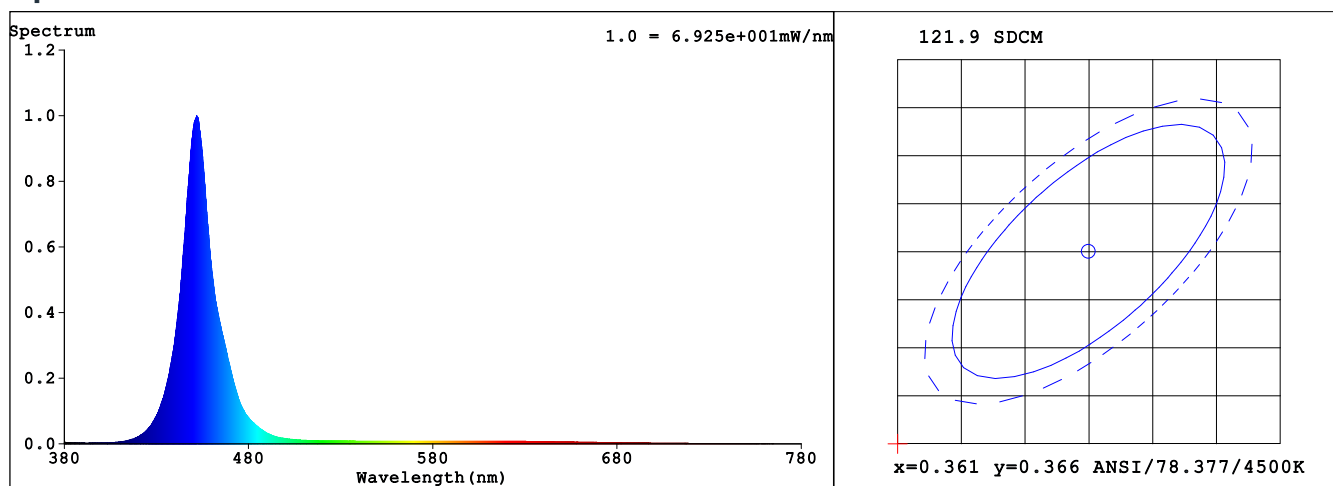
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 53721 (82%)
T : 126 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1631$ $y = 0.0454$ / $u' = 0.2027$ $v' = 0.1269$ ($duv = -1.85e-01$)

CCT $\geq 1000000K$ Prcp WL: $L_d = 455.6nm$ Purity = 92.9%

Peak WL: $L_p = 452nm$ FWHM: $\approx 17.2nm$ Ratio: R=7.0% G=34.2% B=58.9%

Render Index: $R_a = 17.6$ CRI = 15.0 TM30: $R_f = 0$ $R_g = -99$

EEL: 0.35023 B

R1 = 71 R2 = 0 R3 = 0 R4 = 0 R5 = 70 R6 = 0 R7 = 0
R8 = 0 R9 = 0 R10 = 0 R11 = 0 R12 = 0 R13 = 26 R14 = 0 R15 = 58
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 94.772 lm Eff.: 20.48 lm/W $F_e = 1.6787 W$

Electrical parameters

V = 24.00 V I = 0.1928 A P = 4.627 W PF = 1.000 F = 0.00 Hz



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Specification : AL-SL-DL-CC-IP20-24-RGB4K
Sample No. : 4

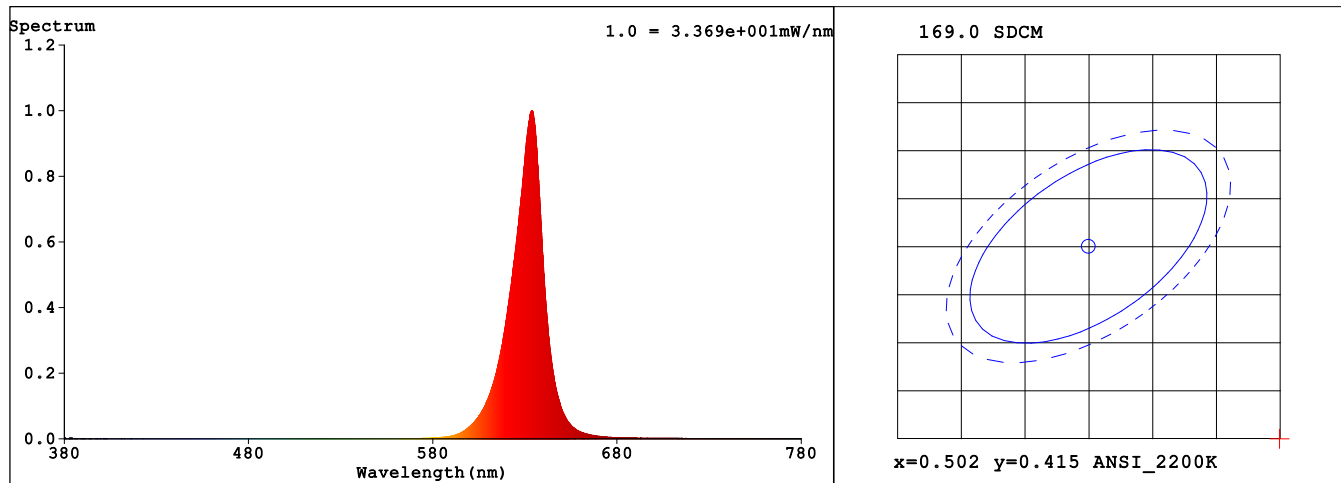
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 52588 (80%)
T : 126 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.7000$ $y = 0.3037$ / $u' = 0.5338$ $v' = 0.5212$ ($duv = -8.53e-02$)

CCT= 1001K Prcp WL: Ld=622.2nm Purity=100.0%

Peak WL: Lp=634nm FWHM: =17.1nm Ratio:R=96.7% G=3.3% B=0.0%

Render Index: Ra = 26.5 CRI = 30.2 TM30:Rf=0 Rg=0

EEL: 0.25240 B

R1 =6 R2 =78 R3 =31 R4 =0 R5 =1 R6 =89 R7 =6
R8 =0 R9 =0 R10=72 R11=0 R12=80 R13=30 R14=59 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 132.37 lm Eff. : 31.57 lm/W Fe = 710.38 mW

Electrical parameters

V = 24.00 V I = 0.1747 A P = 4.192 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

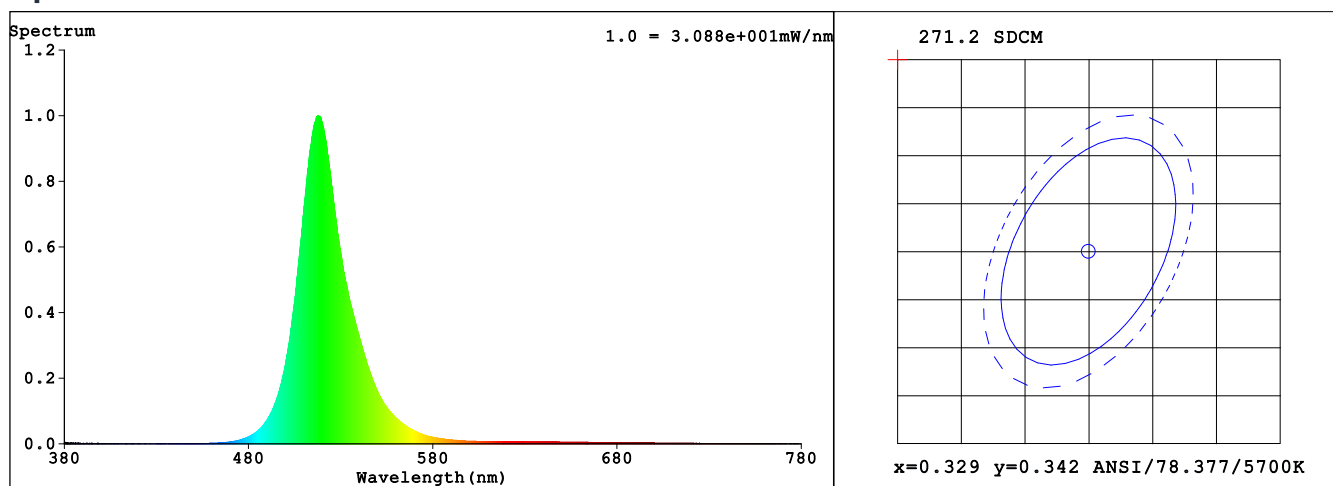
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 53665 (82%)
T : 153 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1561$ $y = 0.7341$ / $u' = 0.0543$ $v' = 0.5747$ ($duv=1.63e-01$)

CCT= 8003K Prcp WL: Ld=525.2nm Purity=81.4%

Peak WL: Lp=518nm FWHM: =26.3nm Ratio:R=0.5% G=97.6% B=1.9%

Render Index: Ra = 0.0 CRI = 2.3 TM30:Rf=2 Rg=7

EEL: 0.10669 A++ Highest

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 = 480.37 lm Eff.: 105.13 lm/W Fe = 1.0253 W

Electrical parameters

V = 24.00 V I = 0.1904 A P = 4.569 W PF = 1.000 F=0.00 Hz

