

Date : 2026-07-16
Test by : E.V.
Specification : AL-SL-DL-CC-IP20-24-RGB3K
Sample No. : 1

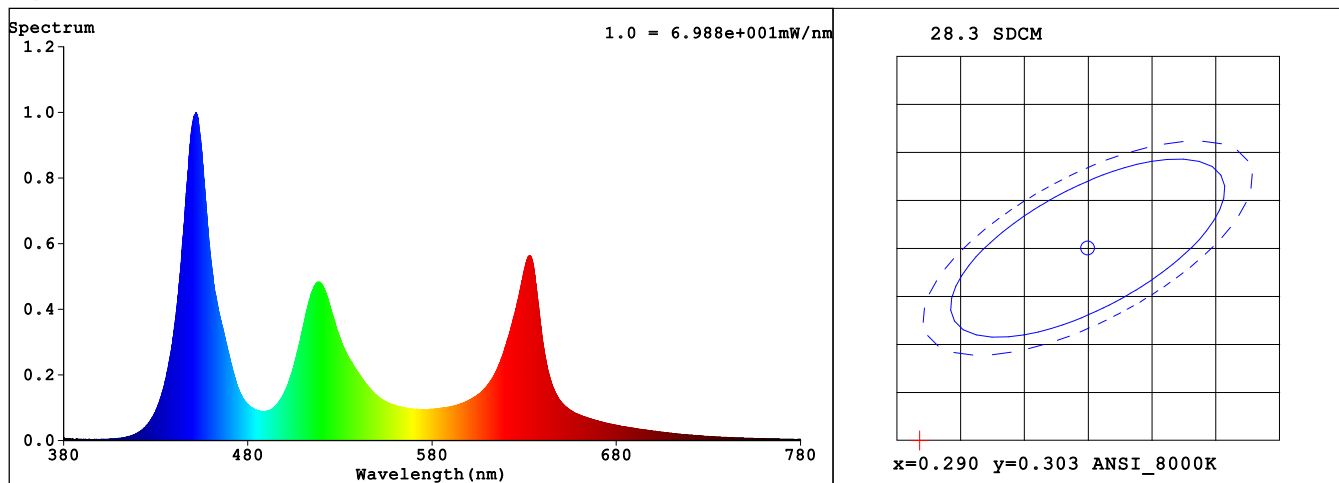
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53231 (81%)
T : 109 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2772$ $y = 0.2566$ / $u' = 0.2007$ $v' = 0.4180$ ($duv = -1.41e-02$)
CCT= 13824K Prcp WL: $L_d = 468.7\text{nm}$ Purity=27.3%
Peak WL: $L_p = 452\text{nm}$ FWHM: $\approx 17.9\text{nm}$ Ratio: R=21.1% G=71.8% B=7.1%
Render Index: Ra = 57.4 CRI = 51.3 TM30:Rf=69 Rg=125

EEL: 0.22535 A

R1 =43 R2 =81 R3 =70 R4 =37 R5 =57 R6 =79 R7 =72
R8 =20 R9 =0 R10=61 R11=17 R12=73 R13=51 R14=79 R15=29
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1020.8 lm Eff. : 57.97 lm/W Fe = 4.4088 W

Electrical parameters

V = 24.00 V I = 0.7337 A P = 17.61 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

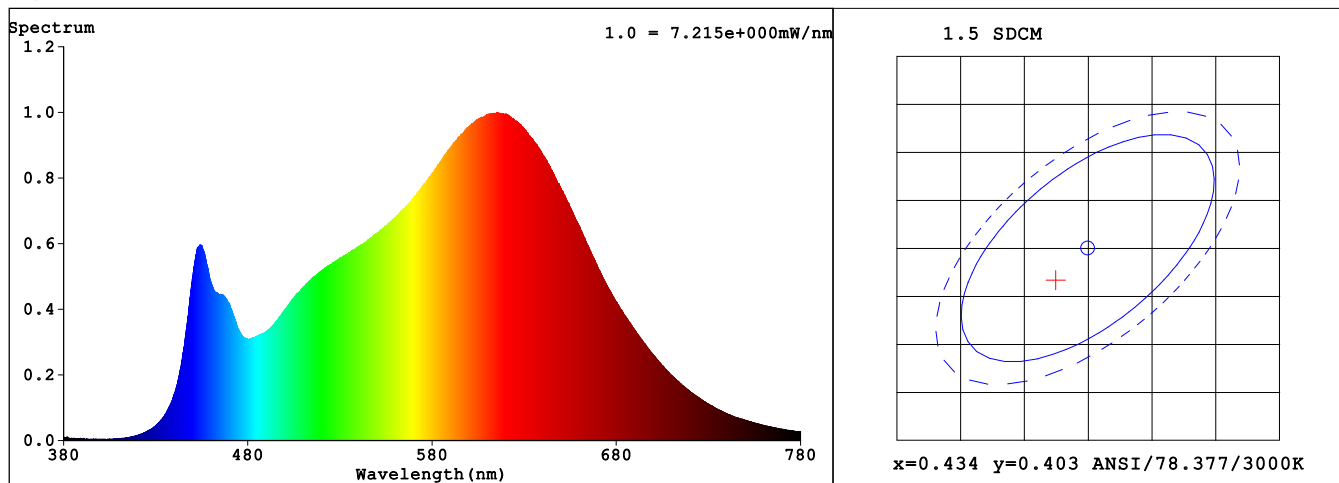
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52080 (79%)
T : 547 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4313$ $y = 0.3997$ / $u' = 0.2488$ $v' = 0.5188$ ($duv = -1.13e-03$)
CCT= 3062K Prcp WL: $L_d = 582.9\text{nm}$ Purity=49.4%
Peak WL: $L_p = 616\text{nm}$ FWHM: $=156.7\text{nm}$ Ratio: R=23.7% G=72.8% B=3.4%
Render Index: Ra = 91.8 CRI = 89.2 TM30: Rf=90 Rg=98

EEL: 0.12985 A+

R1 =93 R2 =99 R3 =96 R4 =91 R5 =93 R6 =96 R7 =89
R8 =78 R9 =53 R10=96 R11=92 R12=80 R13=95 R14=99 R15=88
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 364.63 lm Eff. : 80.99 lm/W $\Phi_e = 1.2238\text{ W}$

Electrical parameters

V = 24.00 V I = 0.1876 A P = 4.502 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

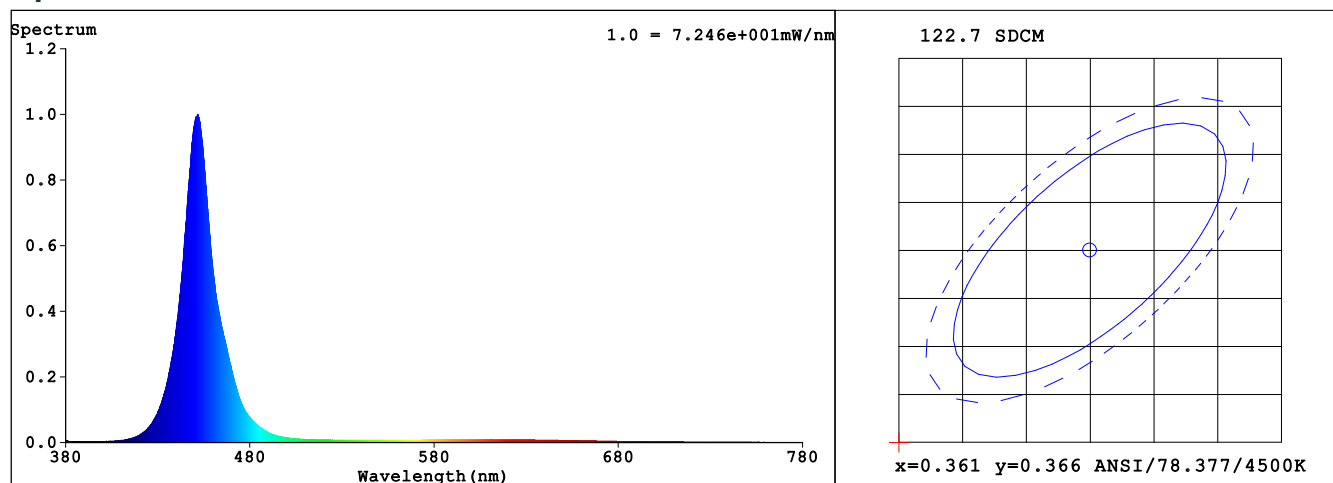
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53355 (81%)
T : 120 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1633$ $y = 0.0431$ / $u' = 0.2048$ $v' = 0.1215$ ($duv = -1.89e-01$)

CCT>=100000K Prcp WL: Ld=454.8nm Purity=93.4%

Peak WL: Lp=452nm FWHM: =17.6nm Ratio:R=7.5% G=31.7% B=60.8%

Render Index: Ra = 18.2 CRI = 15.3 TM30:Rf=0 Rg=-81

EEL: 0.34941 B

R1 =73 R2 =0 R3 =0 R4 =0 R5 =72 R6 =0 R7 =0
R8 =0 R9 =6 R10=0 R11=0 R12=0 R13=21 R14=0 R15=56

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 95.028 lm Eff. : 20.55 lm/W Fe = 1.7681 W

Electrical parameters

V = 24.00 V I = 0.1927 A P = 4.624 W PF = 1.000 F=0.00 Hz



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Specification : AL-SL-DL-CC-IP20-24-RGB3K
Sample No. : 4

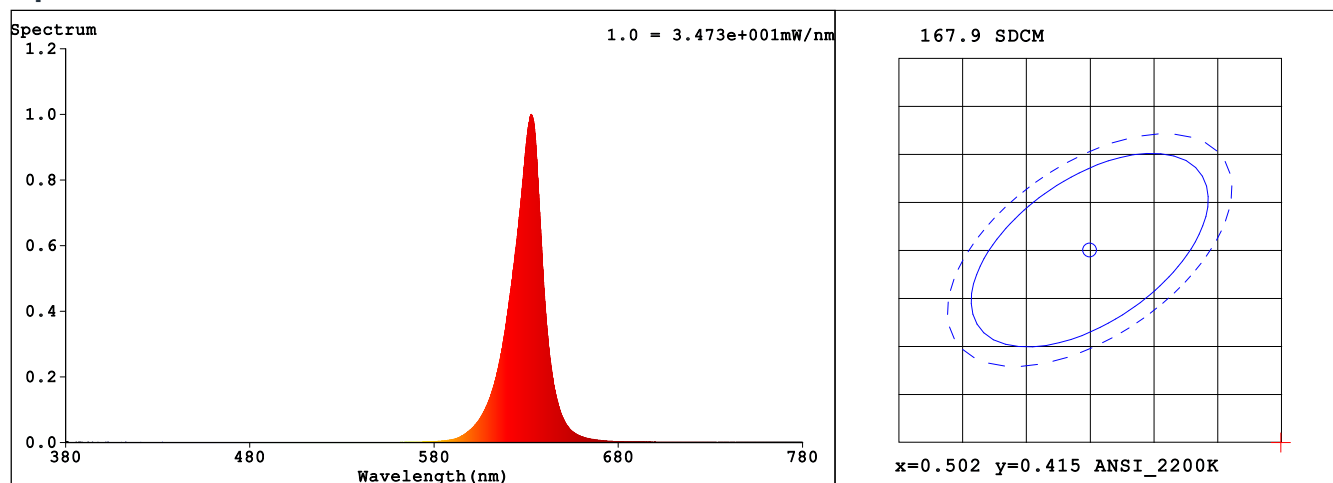
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 51647 (79%)
T : 120 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6990$ $y = 0.3050$ / $u' = 0.5314$ $v' = 0.5217$ ($duv = -8.29e-02$)

CCT= 1001K Prcp WL: Ld=621.6nm Purity=100.0%

Peak WL: Lp=633nm FWHM: =16.9nm Ratio:R=96.6% G=3.4% B=0.0%

Render Index: Ra = 26.4 CRI = 30.1 TM30:Rf=0 Rg=0

EEL: 0.24268 B

R1 =6 R2 =78 R3 =31 R4 =0 R5 =1 R6 =89 R7 =6
R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=30 R14=59 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 138.66 lm Eff. : 33.30 lm/W Fe = 719.17 mW

Electrical parameters

V = 24.00 V I = 0.1735 A P = 4.164 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

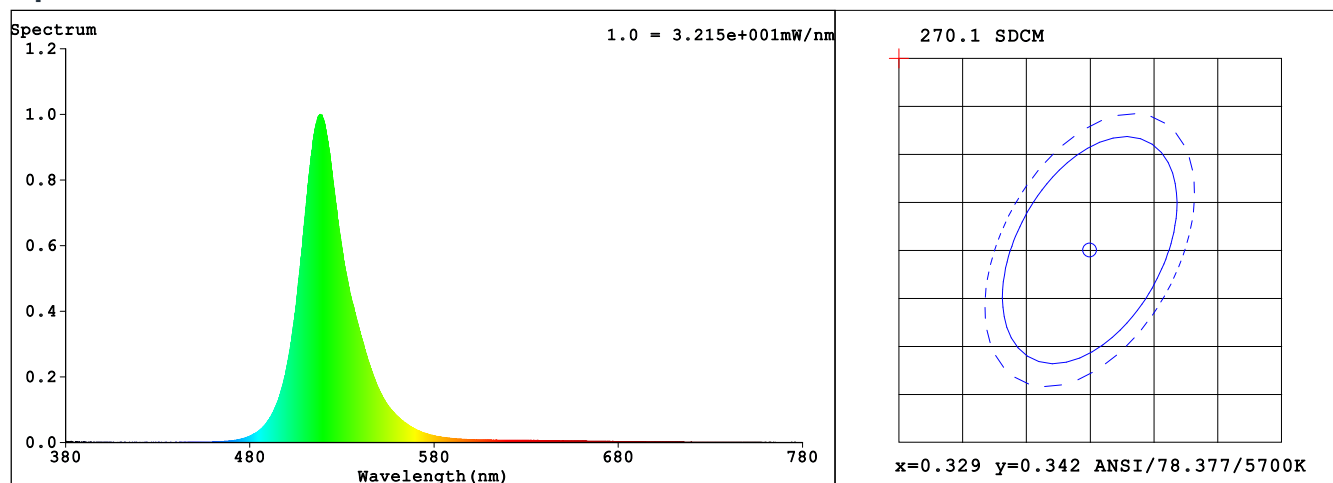
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53765 (82%)
T : 147 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1587$ $y = 0.7353$ / $u' = 0.0552$ $v' = 0.5751$ ($duv=1.62e-01$)

CCT= 7954K Prcp WL: Ld=525.8nm Purity=82.0%

Peak WL: Lp=518nm FWHM: =26.0nm Ratio:R=0.6% G=97.7% B=1.8%

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

EEL: 0.10190 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 = 500.73 lm Eff. : 111.11 lm/W Fe = 1.0597 W

Electrical parameters

V = 24.00 V I = 0.1878 A P = 4.507 W PF = 1.000 F=0.00 Hz

