

Date : 2025-04-22
Test by : E.V.
Specification : AL-SL-W4-IP20-24-RGB30
Sample No. : 1

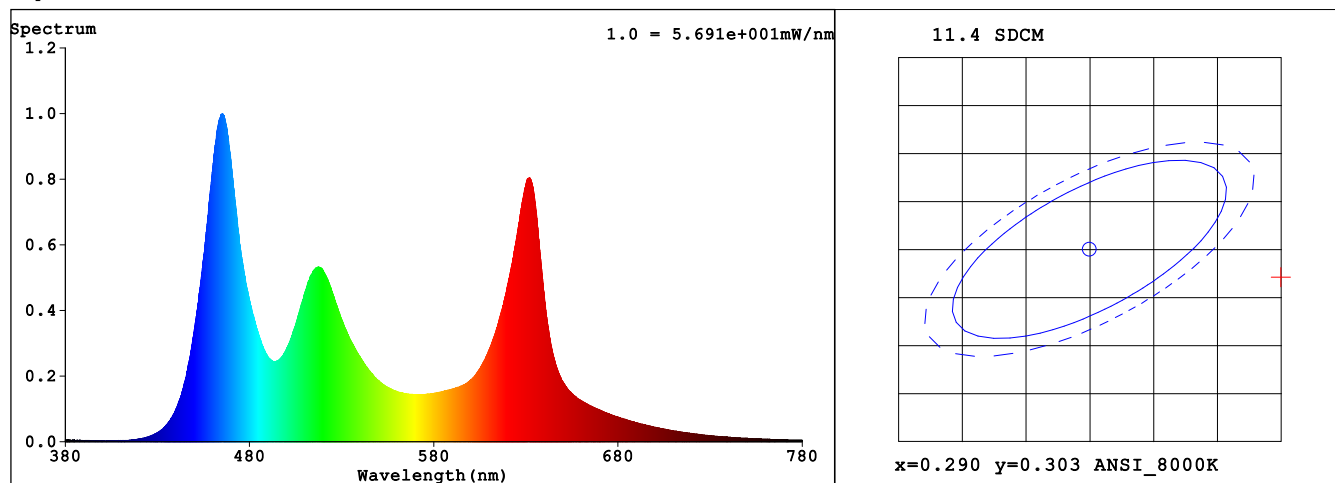
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25.3°C
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 51752 (79%)
T : 91 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3066$ $y = 0.2999$ / $u' = 0.2049$ $v' = 0.4509$ ($duv = -8.36e-03$)
CCT= 7235K Prcp WL: Ld=471.7nm Purity=12.5%
Peak WL: Lp=465nm FWHM: =23.7nm Ratio:R=23.5% G=66.7% B=9.7%
Render Index: Ra = 51.8 CRI = 44.1 TM30:Rf=64 Rg=111

EEL: 0.21946 A

R1 =36 R2 =60 R3 =82 R4 =48 R5 =47 R6 =51 R7 =69
R8 =21 R9 =0 R10=10 R11=36 R12=48 R13=39 R14=87 R15=27
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1162.2 lm Eff.: 60.91 lm/W Fe = 4.7787 W

Electrical parameters

V = 24.00 V I = 0.7951 A P = 19.08 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

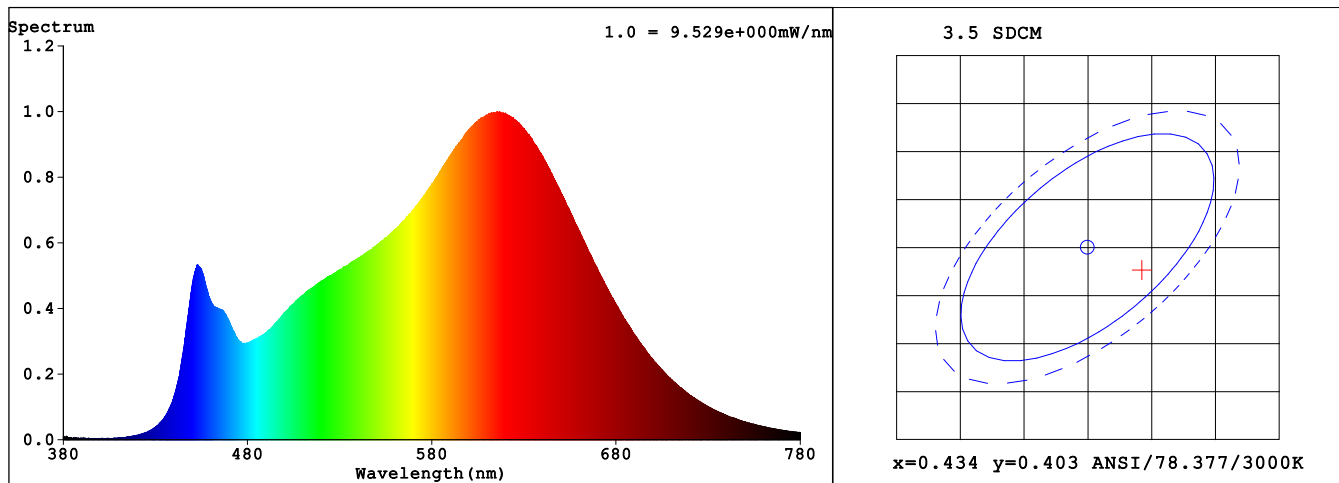
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25.3°C
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 52051 (79%)
T : 415 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4380$ $y = 0.4007$ / $u' = 0.2528$ $v' = 0.5202$ ($duv = -1.73e-03$)

CCT= 2953K Prcp WL: Ld=583.6nm Purity=51.7%

Peak WL: Lp=616nm FWHM: =147.1nm Ratio:R=24.6% G=72.0% B=3.4%

Render Index: Ra = 91.9 CRI = 89.8 TM30:Rf=90 Rg=98

EEL: 0.11495 A+

R1 =94 R2 =99 R3 =95 R4 =92 R5 =94 R6 =96 R7 =88
R8 =77 R9 =53 R10=98 R11=94 R12=83 R13=96 R14=98 R15=88
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 461.56 lm Eff.: 96.70 lm/W Fe = 1.5506 W

Electrical parameters

V = 24.00 V I = 0.1989 A P = 4.773 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

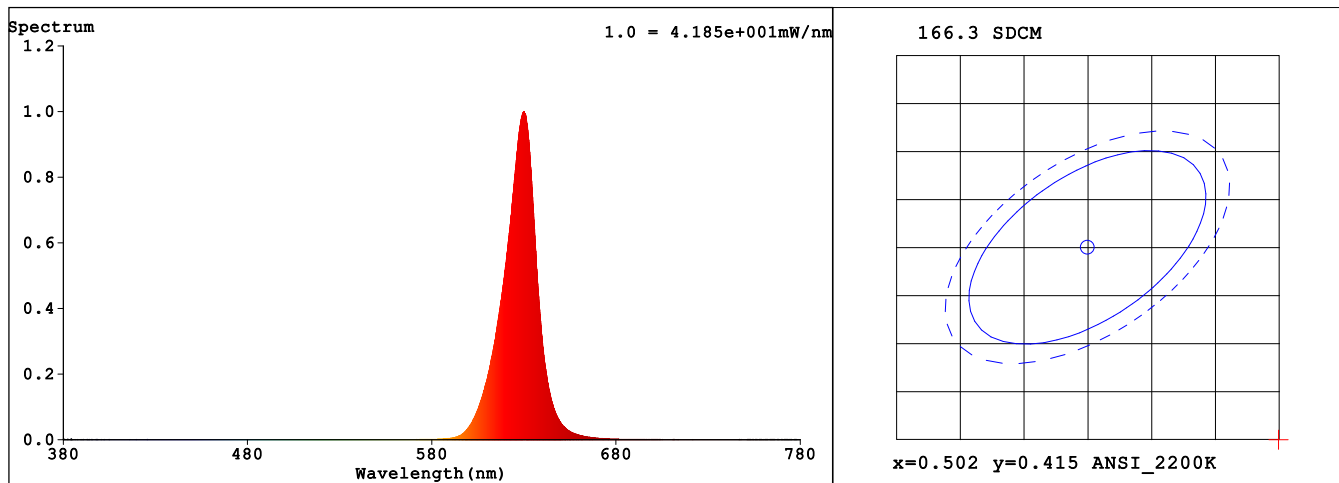
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25.3°C
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 53748 (82%)
T : 103 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6975$ $y = 0.3063$ / $u' = 0.5283$ $v' = 0.5221$ ($duv = -7.98e-02$)

CCT= 1001K Prcp WL: Ld=620.8nm Purity=100.0%

Peak WL: Lp=630nm FWHM: =17.8nm Ratio:R=98.1% G=1.8% B=0.0%

Render Index: Ra = 24.3 CRI = 28.6 TM30:Rf=0 Rg=0

EEL: 0.23962 A

R1=2 R2=78 R3=25 R4=0 R5=0 R6=90 R7=0
R8=0 R9=0 R10=71 R11=0 R12=79 R13=27 R14=56 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 182.99 lm Eff. : 36.59 lm/W Fe = 884.88 mW

Electrical parameters

V = 24.00 V I = 0.2084 A P = 5.001 W PF = 1.000 F=0.00 Hz



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Specification : AL-SL-W4-IP20-24-RGB30
Sample No. : 4

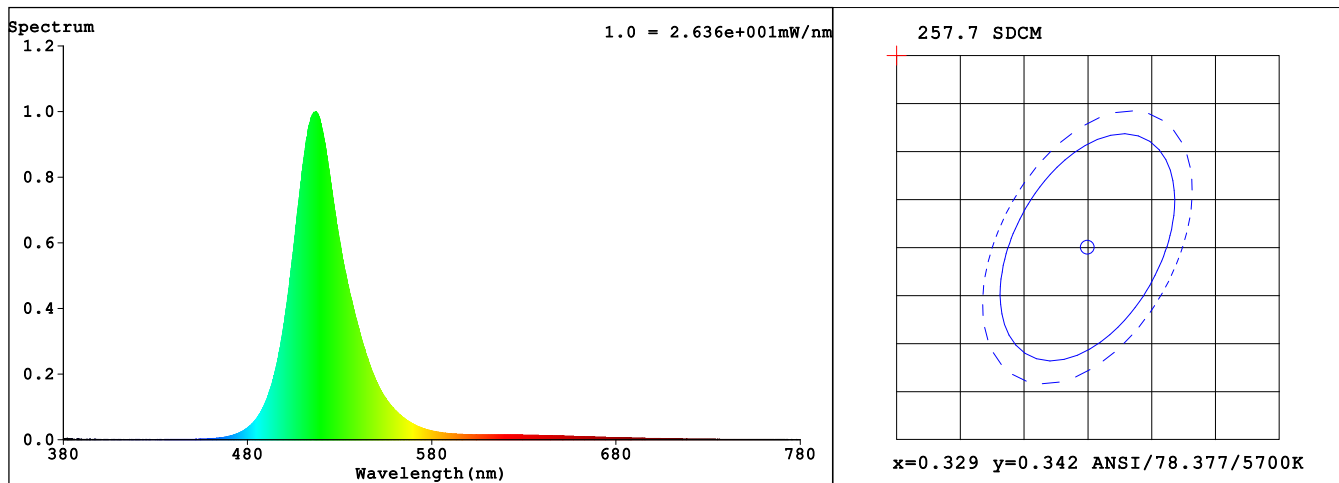
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25.3°C
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 53422 (82%)
T : 179 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1632$ $y = 0.7121$ / $u' = 0.0582$ $v' = 0.5713$ ($duv=1.58e-01$)

CCT= 8003K Prcp WL: Ld=524.7nm Purity=76.7%

Peak WL: Lp=517nm FWHM: =30.1nm Ratio:R=1.1% G=96.1% B=2.8%

Render Index: Ra = 0.0 CRI = 2.6 TM30:Rf=3 Rg=11

EEL: 0.11578 A+

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=39 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 445.10 lm Eff. : 95.21 lm/W Fe = 989.90 mW

Electrical parameters

V = 24.00 V I = 0.1948 A P = 4.675 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

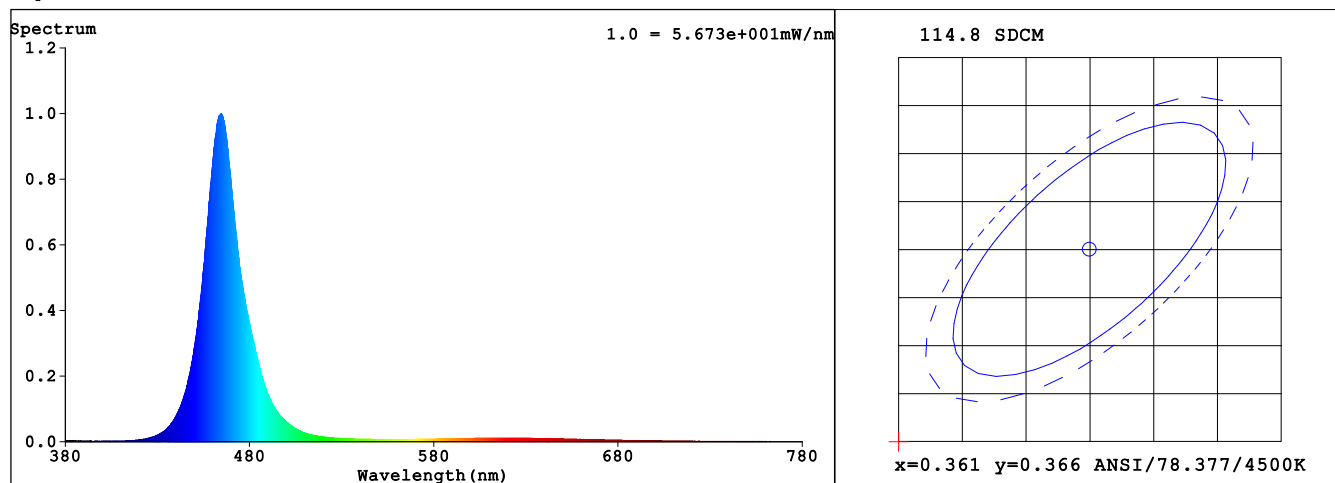
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25.3°C
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 53743 (82%)
T : 132 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1484$ $y = 0.0758$ / $u' = 0.1643$ $v' = 0.1888$ ($duv = -1.43e-01$)

CCT ≥ 1000000 K Prcp WL: $L_d = 467.9$ nm Purity=90.6%

Peak WL: $L_p = 465$ nm FWHM: ≈ 21.0 nm Ratio: R=5.7% G=26.4% B=67.9%

Render Index: $R_a = 13.6$ CRI = 11.8 TM30: $R_f = 0$ $R_g = 194$

EEL: 0.29749 B

R1 = 53 R2 = 0 R3 = 0 R4 = 0 R5 = 56 R6 = 0 R7 = 0
R8 = 0 R9 = 0 R10 = 0 R11 = 0 R12 = 0 R13 = 22 R14 = 0 R15 = 47
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 128.49 lm Eff.: 26.54 lm/W $F_e = 1.5814$ W

Electrical parameters

V = 24.00 V I = 0.2017 A P = 4.840 W PF = 1.000 F = 0.00 Hz

