

Date : 2026-05-12
Test by : E.V.
Specification : AL-SL-W4-IP68-24-RGB30
Sample No. : 1

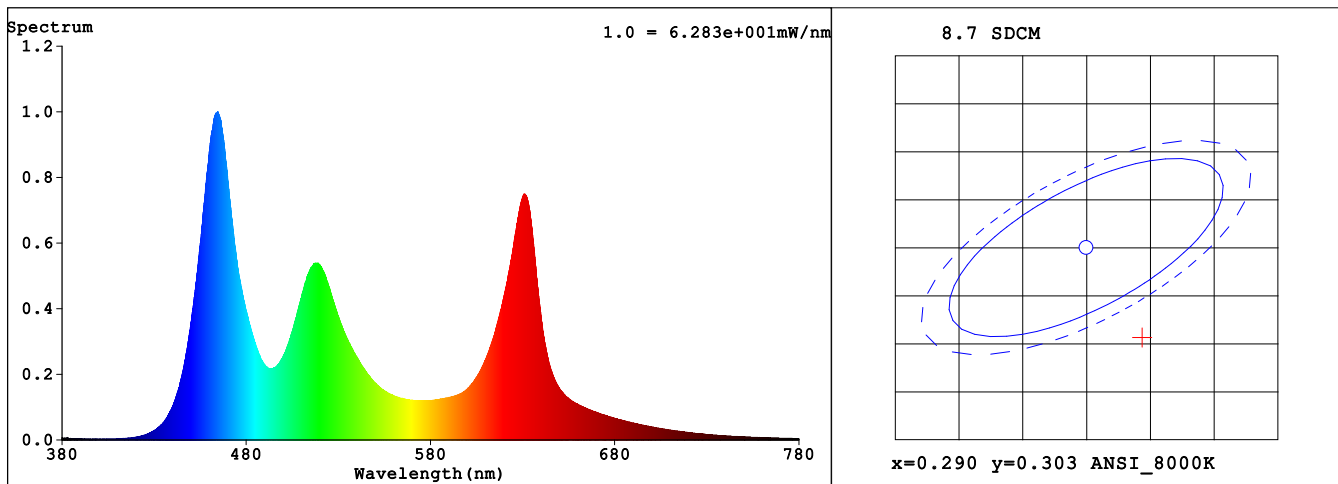
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53262 (81%)
T : 91 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2948$ $y = 0.2935$ / $u' = 0.1988$ $v' = 0.4452$ ($duv = -4.98e-03$)

CCT= 8357K Prpc WL: Ld=476.3nm Purity=16.9%

Peak WL: Lp=465nm FWHM: =23.0nm Ratio:R=22.8% G=67.4% B=9.8%

Render Index: Ra = 53.2 CRI = 45.9 TM30:Rf=63 Rg=112

EEL: 0.22024 A

R1=37 R2=63 R3=83 R4=50 R5=50 R6=56 R7=68
R8=20 R9=0 R10=15 R11=38 R12=55 R13=41 R14=87 R15=27
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1196.3 lm Eff. : 60.99 lm/W Fe = 4.9599 W

Electrical parameters

V = 24.00 V I = 0.8173 A P = 19.61 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

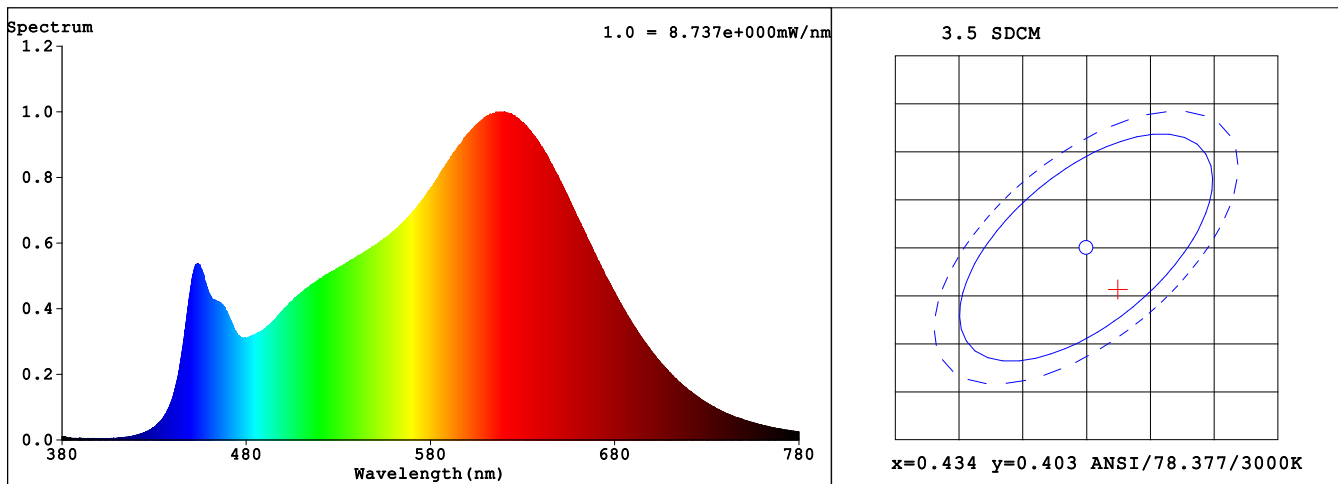
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52019 (79%)
T : 455 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4363$ $y = 0.3986$ / $u' = 0.2525$ $v' = 0.5191$ ($duv = -2.30e-03$)

CCT= 2966K Prpc WL: Ld=583.7nm Purity=50.6%

Peak WL: Lp=620nm FWHM: =152.0nm Ratio:R=24.8% G=71.7% B=3.5%

Render Index: Ra = 93.1 CRI = 91.5 TM30:Rf=91 Rg=99

EEL: 0.12208 A+

R1 =96 R2 =99 R3 =95 R4 =94 R5 =96 R6 =94 R7 =89
R8 =81 R9 =62 R10=99 R11=96 R12=83 R13=98 R14=98 R15=91
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 423.82 lm Eff.: 89.28 lm/W Fe = 1.4563 W

Electrical parameters

V = 24.00 V I = 0.1978 A P = 4.747 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

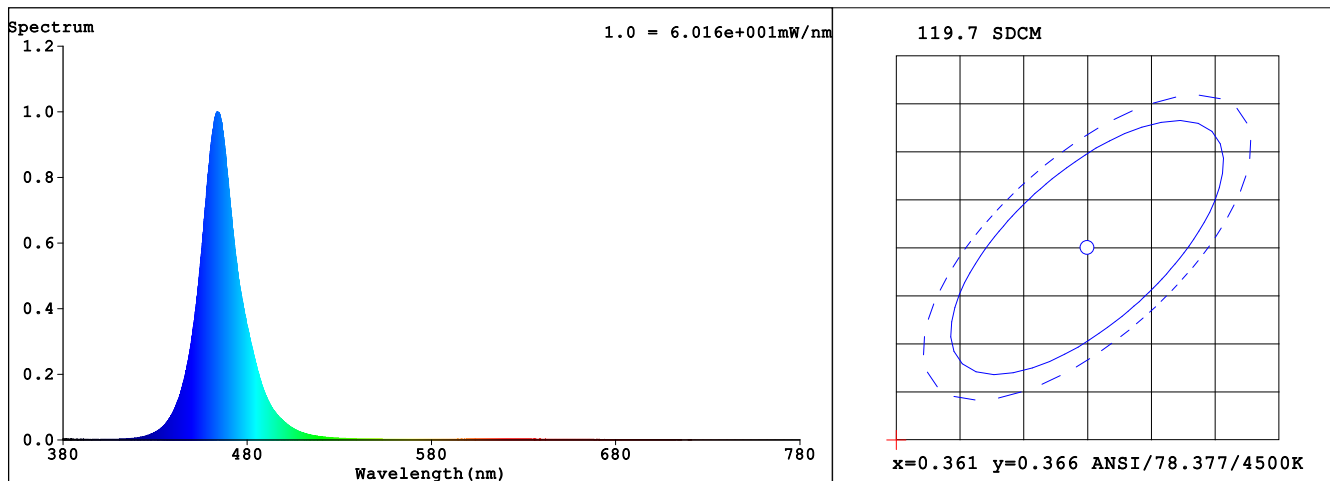
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 48767 (74%)
T : 113 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1399$ $y = 0.0630$ / $u' = 0.1610$ $v' = 0.1631$ ($duv = -1.61e-01$)

CCT $\geq 100000K$ Prpcp WL: $L_d = 467.8nm$ Purity=95.0%

Peak WL: $L_p = 464nm$ FWHM: $\approx 21.2nm$ Ratio: R=1.7% G=16.9% B=81.4%

Render Index: $R_a = 2.2$ CRI = 2.0 TM30: $R_f = 0$ $R_g = -163$

EEL: 0.33039 B

R1=2 R2=0 R3=0 R4=0 R5=15 R6=0 R7=0
R8=0 R9=0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=13
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 112.18 lm Eff. : 22.92 lm/W $F_e = 1.6245 W$

Electrical parameters

V = 24.00 V I = 0.2040 A P = 4.896 W PF = 1.000 F=0.00 Hz



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Specification : AL-SL-W4-IP68-24-RGB30
Sample No. : 4

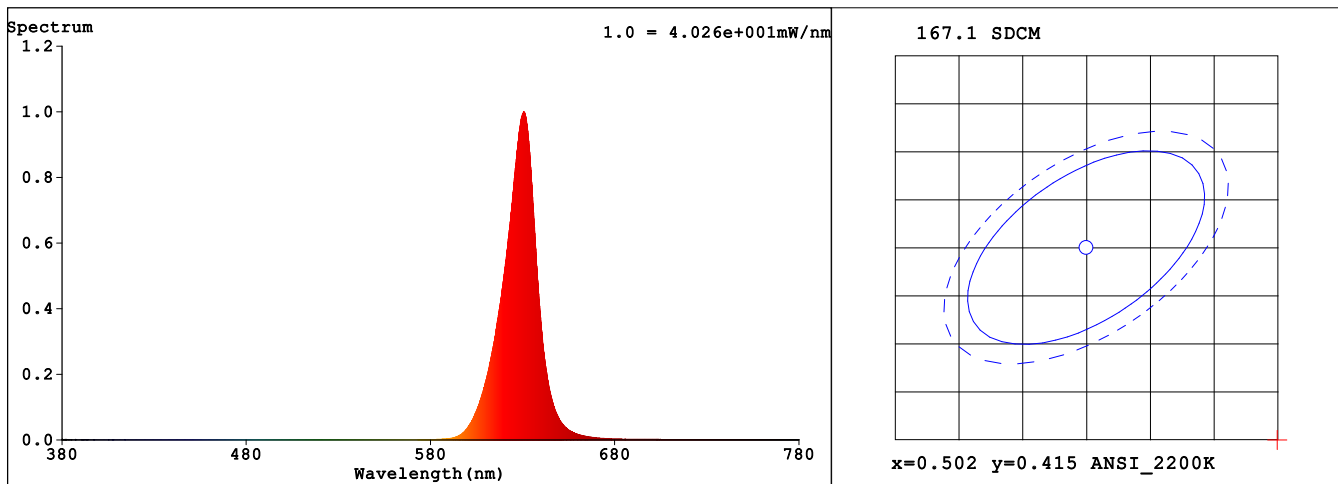
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 56538 (86%)
T : 113 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6983$ $y = 0.3056$ / $u' = 0.5299$ $v' = 0.5219$ ($duv = -8.14e-02$)

CCT= 1001K Prcp WL: Ld=621.2nm Purity=100.0%

Peak WL: Lp=631nm FWHM: =18.2nm Ratio:R=98.2% G=1.8% B=0.0%

Render Index: Ra = 24.4 CRI = 28.6 TM30:Rf=0 Rg=0

EEL: 0.25232 B

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 = 28 R14 = 56 R15 = 0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 175.74 lm Eff. : 34.35 lm/W Fe = 871.13 mW

Electrical parameters

V = 24.00 V I = 0.2132 A P = 5.116 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

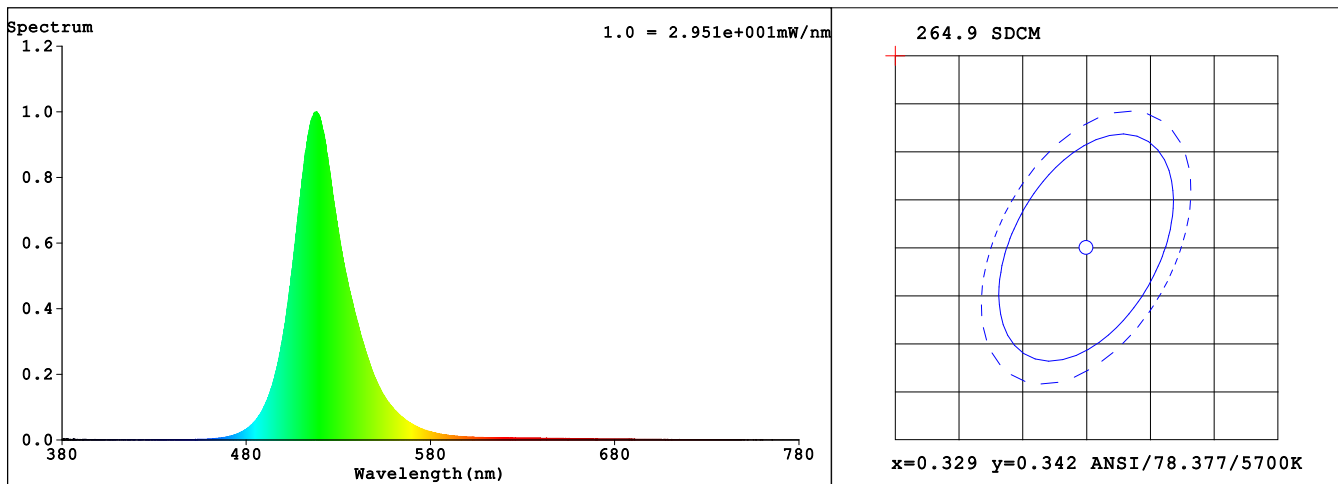
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53739 (82%)
T : 160 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1589$ $y = 0.7230$ / $u' = 0.0560$ $v' = 0.5729$ ($duv=1.61e-01$)

CCT= 8017K Prcp WL: Ld=524.8nm Purity=79.0%

Peak WL: Lp=518nm FWHM: =29.8nm Ratio:R=0.5% G=97.0% B=2.5%

Render Index: Ra = 0.0 CRI = 2.5 TM30:Rf=2 Rg=8

EEL: 0.11133 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=38 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 501.12 lm Eff. : 101.71 lm/W Fe = 1.0796 W

Electrical parameters

V = 24.00 V I = 0.2053 A P = 4.927 W PF = 1.000 F=0.00 Hz

