

Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-27K
Sample No. : 1

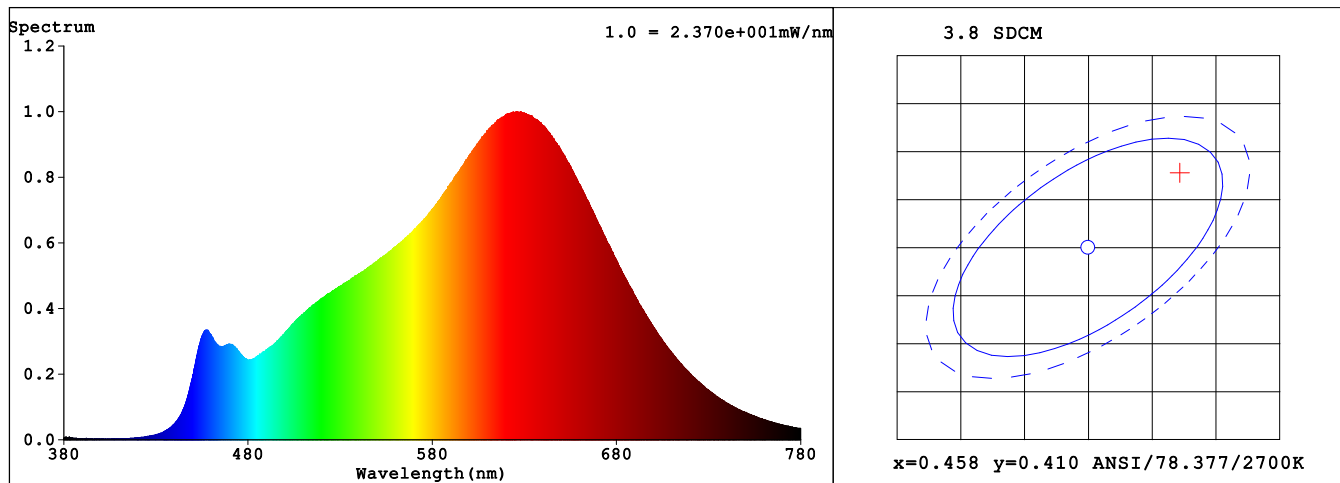
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 54905 (84%)
T : 182 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4650$ $y = 0.4179$ / $u' = 0.2625$ $v' = 0.5309$ ($duv=1.93e-03$)
CCT= 2685K Prcp WL: Ld=583.6nm Purity=65.0%
Peak WL: Lp=626nm FWHM: =145.5nm Ratio:R=26.7% G=70.5% B=2.8%
Render Index: Ra = 94.7 CRI = 93.0 TM30:Rf=90 Rg=96

EEL: 0.12535 A+

R1 =97 R2 =99 R3 =98 R4 =94 R5 =96 R6 =97 R7 =92
R8 =85 R9 =69 R10=98 R11=97 R12=85 R13=98 R14=99 R15=92
LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 1064.4 lm Eff. : 105.00 lm/W Fe = 3.8176 W

Electrical parameters

V = 24.00 V I = 0.4224 A P = 10.14 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-27K-32
Sample No. : 1

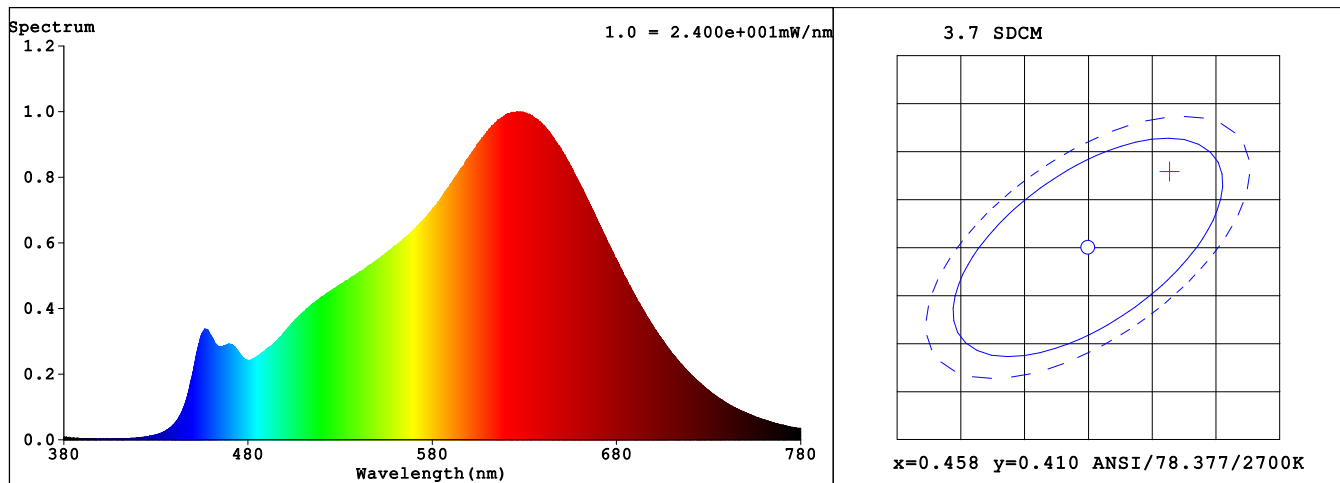
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 55617 (85%)
T : 182 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4642$ $y = 0.4180$ / $u' = 0.2620$ $v' = 0.5308$ ($duv=2.05e-03$)
CCT= 2698K Prcp WL: Ld=583.5nm Purity=64.8%
Peak WL: Lp=626nm FWHM: =146.5nm Ratio:R=26.6% G=70.5% B=2.8%
Render Index: Ra = 94.9 CRI = 93.2 TM30:Rf=90 Rg=96

EEL: 0.12317 A+

R1 =97 R2 =99 R3 =98 R4 =94 R5 =96 R6 =97 R7 =92
R8 =86 R9 =70 R10=98 R11=97 R12=85 R13=98 R14=99 R15=92
LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 1080.8 lm Eff. : 107.15 lm/W Fe = 3.8745 W

Electrical parameters

V = 24.00 V I = 0.4203 A P = 10.09 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-3K
Sample No. : 1

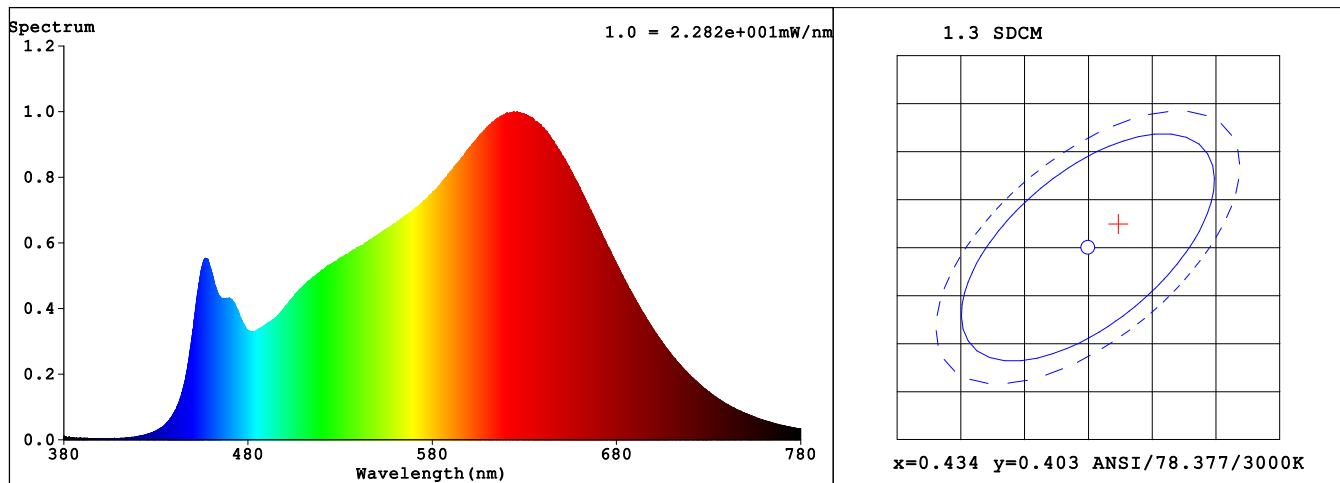
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53190 (81%)
T : 182 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4362$ $y = 0.4054$ / $u' = 0.2495$ $v' = 0.5218$ ($duv=4.63e-04$)
CCT= 3024K Prcp WL: Ld=582.5nm Purity=52.6%
Peak WL: Lp=624nm FWHM: =166.8nm Ratio:R=24.5% G=72.0% B=3.6%
Render Index: Ra = 95.1 CRI = 93.8 TM30:Rf=91 Rg=97

EEL: 0.11755 A+

R1 =98 R2 =99 R3 =97 R4 =94 R5 =96 R6 =96 R7 =92
R8 =88 R9 =77 R10=99 R11=97 R12=81 R13=99 R14=99 R15=94
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1124.0 lm Eff. : 113.06 lm/W Fe = 3.9845 W

Electrical parameters

V = 24.00 V I = 0.4143 A P = 9.942 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-3K-32
Sample No. : 1

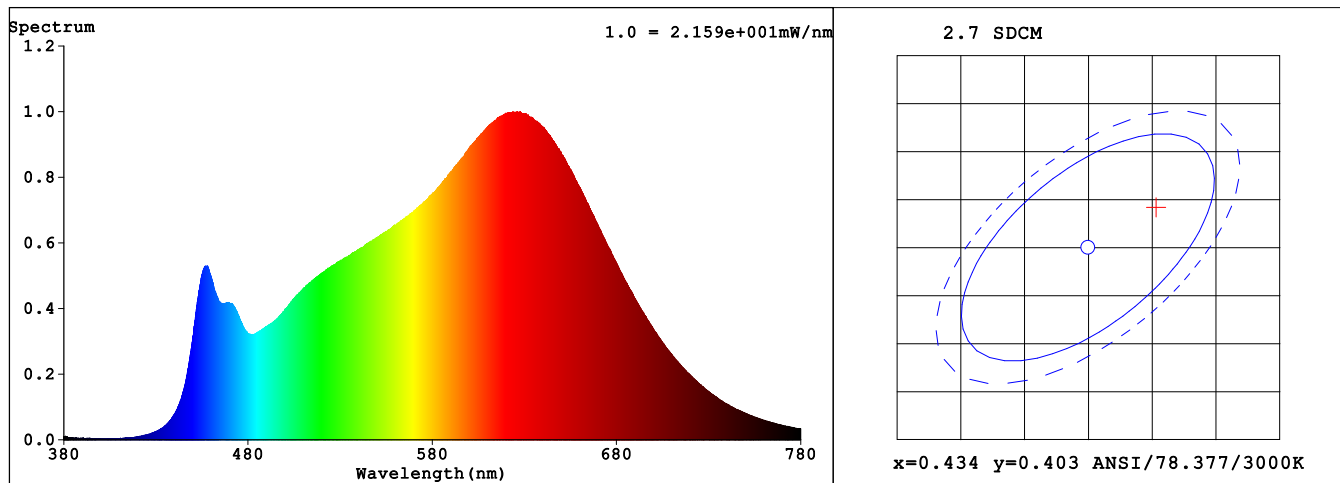
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 54197 (83%)
T : 196 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4391$ $y = 0.4072$ / $u' = 0.2507$ $v' = 0.5229$ ($duv=7.34e-04$)

CCT= 2988K Prcp WL: Ld=582.5nm Purity=54.0%

Peak WL: Lp=626nm FWHM: =165.2nm Ratio:R=24.7% G=71.8% B=3.5%

Render Index: Ra = 95.0 CRI = 93.6 TM30:Rf=91 Rg=97

EEL: 0.12378 A+

R1 =98 R2 =99 R3 =97 R4 =94 R5 =96 R6 =96 R7 =92
R8 =88 R9 =76 R10=99 R11=97 R12=81 R13=99 R14=99 R15=94
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1055.7 lm Eff.: 106.19 lm/W Fe = 3.7414 W

Electrical parameters

V = 24.00 V I = 0.4143 A P = 9.942 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-4K
Sample No. : 1

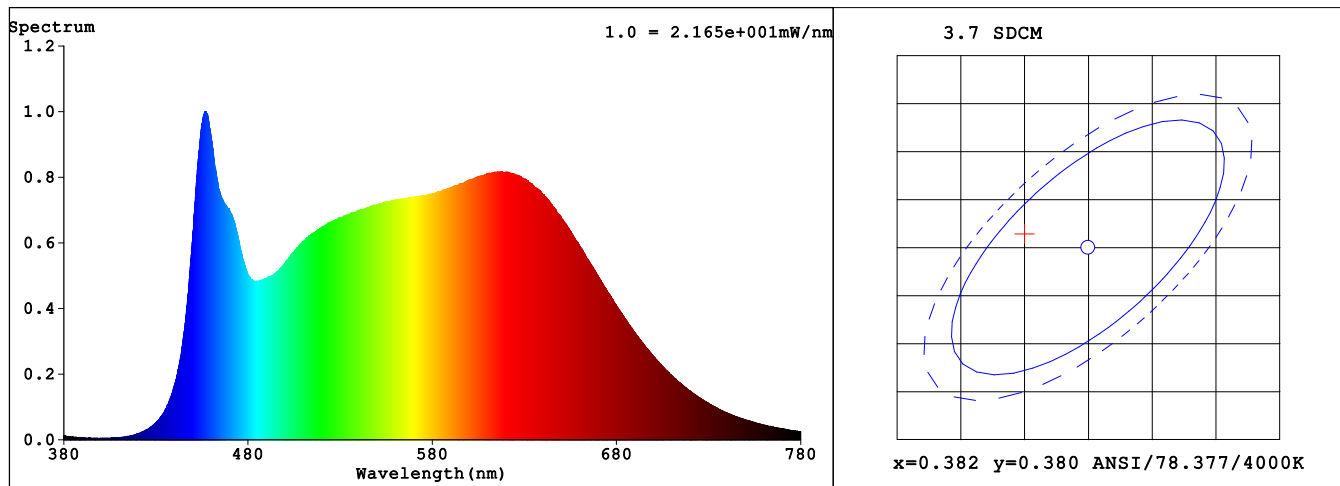
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 51777 (79%)
T : 222 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3768$ $y = 0.3811$ / $u' = 0.2210$ $v' = 0.5030$ ($duv=3.31e-03$)
CCT= 4129K Prcp WL: $L_d=576.9nm$ Purity=27.5%
Peak WL: $L_p=457nm$ FWHM: $=32.1nm$ Ratio:R=19.3% G=75.5% B=5.1%
Render Index: $R_a = 93.5$ CRI = 91.4 TM30:Rf=89 Rg=96

EEL: 0.11724 A+

R1 =96 R2 =99 R3 =97 R4 =89 R5 =93 R6 =97 R7 =90
R8 =87 R9 =76 R10=97 R11=91 R12=70 R13=98 R14=99 R15=92
LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 1120.0 lm Eff. : 113.28 lm/W $F_e = 3.8473 W$

Electrical parameters

V = 24.00 V I = 0.4120 A P = 9.887 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-4K-32
Sample No. : 1

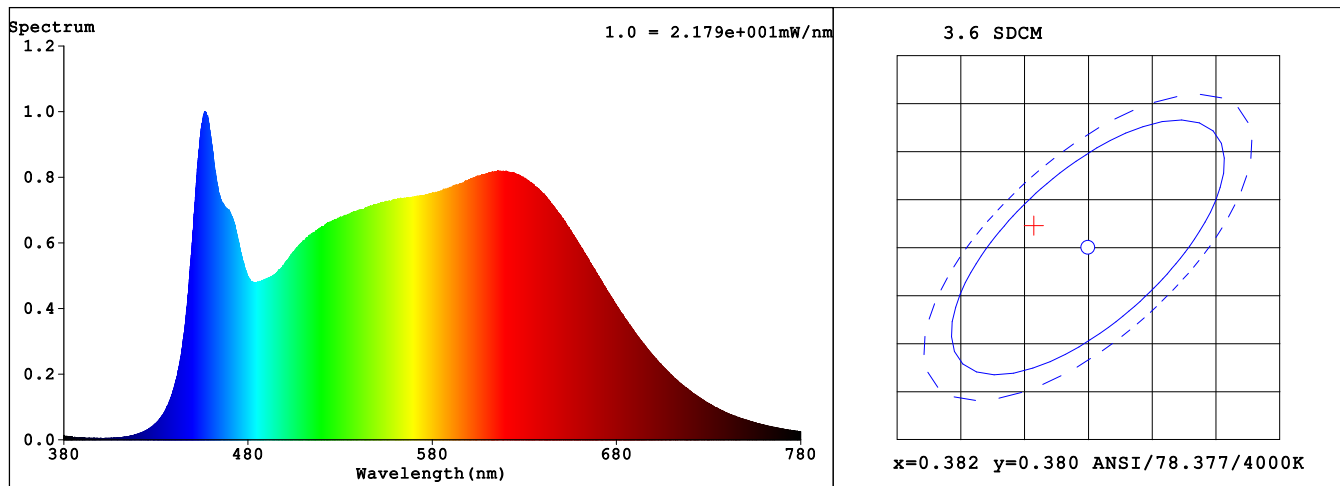
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52252 (80%)
T : 222 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3775$ $y = 0.3820$ / $u' = 0.2211$ $v' = 0.5034$ ($duv=3.49e-03$)
CCT= 4116K Prcp WL: Ld=576.9nm Purity=27.9%
Peak WL: Lp=457nm FWHM: =31.5nm Ratio:R=19.3% G=75.6% B=5.1%
Render Index: Ra = 93.5 CRI = 91.3 TM30:Rf=89 Rg=96

EEL: 0.11680 A+

R1 =96 R2 =99 R3 =97 R4 =89 R5 =93 R6 =97 R7 =91
R8 =87 R9 =75 R10=97 R11=92 R12=70 R13=97 R14=99 R15=92
LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 1128.7 lm Eff. : 113.86 lm/W Fe = 3.8715 W

Electrical parameters

V = 24.00 V I = 0.4131 A P = 9.914 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-6K
Sample No. : 1

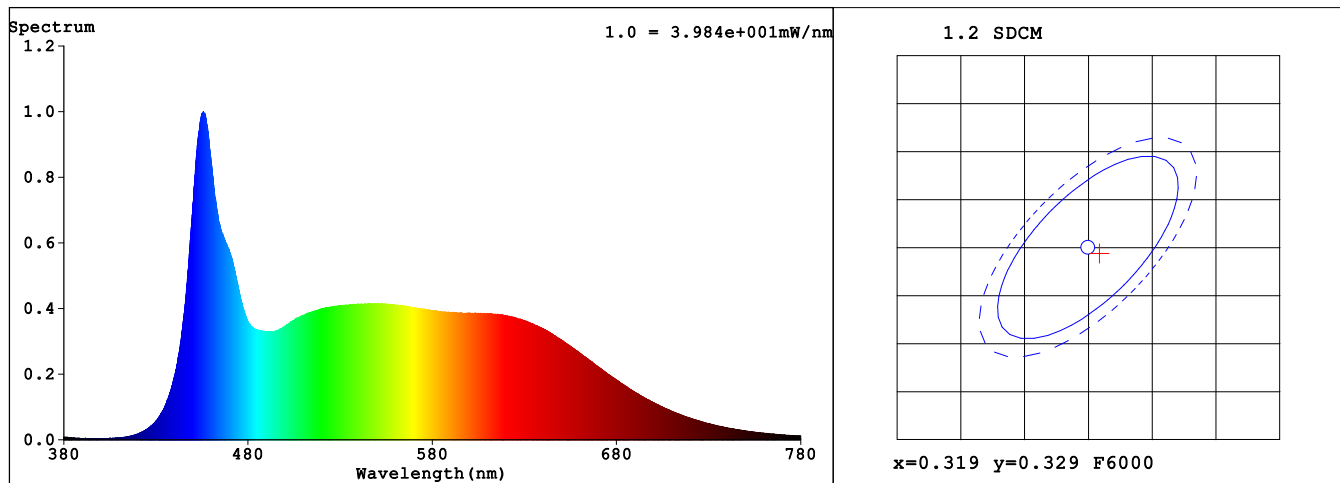
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52182 (80%)
T : 198 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3196$ $y = 0.3289$ / $u' = 0.2027$ $v' = 0.4693$ ($duv = -2.92e-04$)
CCT= 6139K Prcp WL: $L_d = 487.5\text{nm}$ Purity=5.0%
Peak WL: $L_p = 456\text{nm}$ FWHM: $=26.2\text{nm}$ Ratio: $R=16.2\%$ $G=76.7\%$ $B=7.1\%$
Render Index: $R_a = 93.6$ CRI = 92.5 TM30: $R_f = 90$ $R_g = 99$

EEL: 0.11531 A+

$R_1 = 96$ $R_2 = 97$ $R_3 = 97$ $R_4 = 90$ $R_5 = 93$ $R_6 = 93$ $R_7 = 91$
 $R_8 = 91$ $R_9 = 89$ $R_{10} = 97$ $R_{11} = 93$ $R_{12} = 68$ $R_{13} = 98$ $R_{14} = 100$ $R_{15} = 94$
LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 1148.2 lm Eff. : 115.68 lm/W $F_e = 4.1598\text{ W}$

Electrical parameters

$V = 24.00\text{ V}$ $I = 0.4136\text{ A}$ $P = 9.926\text{ W}$ PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-6K-32
Sample No. : 1

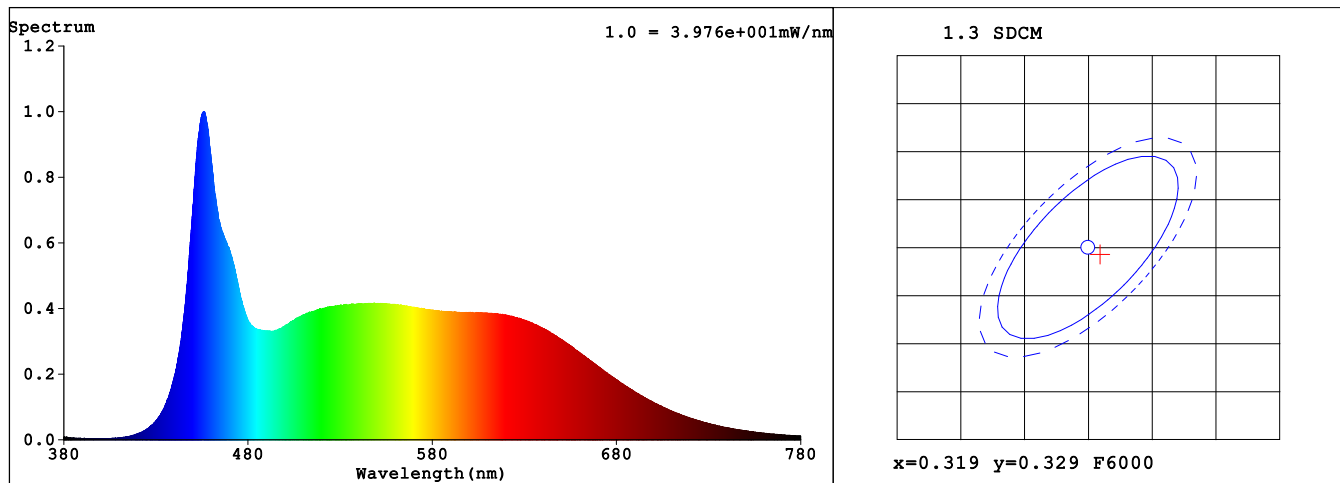
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52230 (80%)
T : 198 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3196$ $y = 0.3288$ / $u' = 0.2028$ $v' = 0.4692$ ($duv = -3.73e-04$)
CCT= 6137K Prcp WL: $L_d = 487.4\text{nm}$ Purity=5.0%
Peak WL: $L_p = 456\text{nm}$ FWHM: $=26.2\text{nm}$ Ratio: $R=16.2\%$ $G=76.7\%$ $B=7.1\%$
Render Index: $R_a = 93.5$ CRI = 92.5 TM30: $R_f = 90$ $R_g = 99$

EEL: 0.11554 A+

R1 =96 R2 =97 R3 =97 R4 =90 R5 =93 R6 =93 R7 =91
R8 =91 R9 =89 R10=97 R11=93 R12=68 R13=98 R14=99 R15=94
LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 1150.0 lm Eff. : 115.48 lm/W $F_e = 4.1698\text{ W}$

Electrical parameters

V = 24.00 V I = 0.4150 A P = 9.959 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-BL
Sample No. : 1

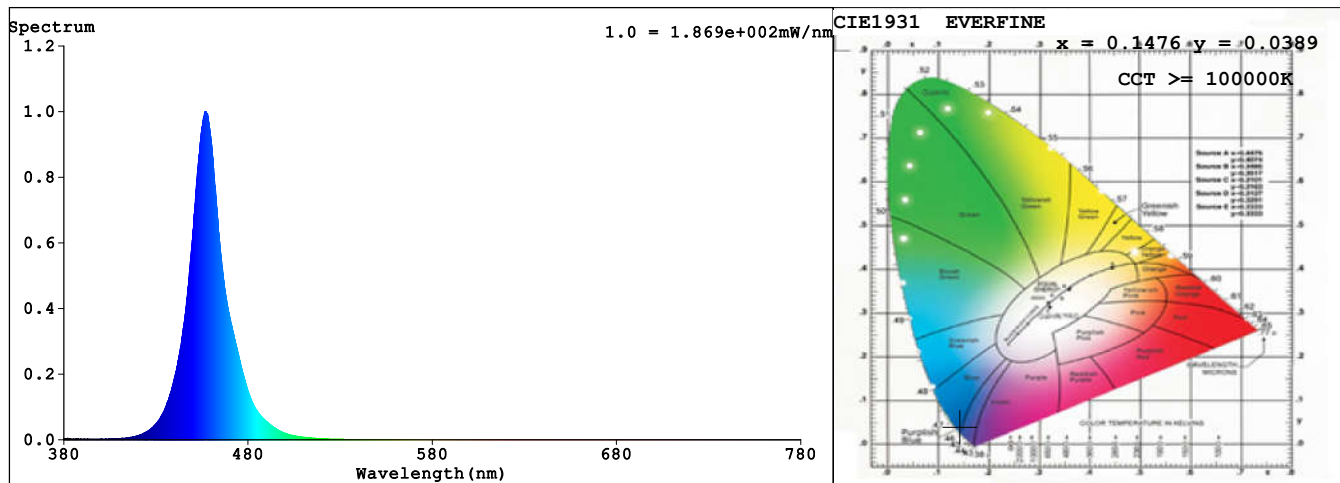
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53260 (81%)
T : 42 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1476$ $y = 0.0389$ / $u' = 0.1862$ $v' = 0.1105$ ($duv = -1.95e-01$)
 $CCT \geq 100000K$ Prcp WL: $L_d = 460.8nm$ Purity=97.4%
Peak WL: $L_p = 457nm$ FWHM: $\approx 18.4nm$ Ratio: R=0.3% G=8.5% B=91.2%
Render Index: $R_a = 0.0$ CRI = 0.0 TM30: Rf=0 Rg=17

EEL: 0.43703 B

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=0 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 213.31 lm Eff. : 20.94 lm/W $F_e = 4.5044 W$

Electrical parameters

V = 24.00 V I = 0.4244 A P = 10.18 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-GN
Sample No. : 1

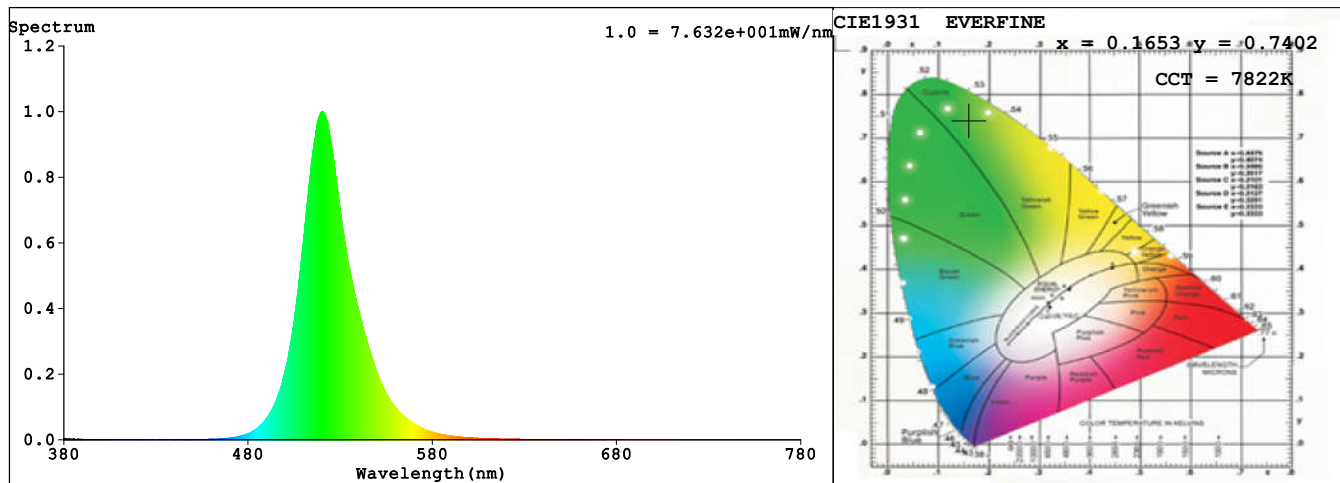
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 57646 (88%)
T : 66 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1653$ $y = 0.7402$ / $u' = 0.0572$ $v' = 0.5767$ ($duv=1.61e-01$)
CCT= 7822K Prcp WL: Ld=527.3nm Purity=84.0%
Peak WL: Lp=520nm FWHM: =27.8nm Ratio:R=0.2% G=98.2% B=1.6%
Render Index: Ra = 0.0 CRI = 2.3 TM30:Rf=1 Rg=6

EEL: 0.10174 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 = 35 R15 = 0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1284.6 lm Eff. : 133.63 lm/W Fe = 2.6014 W

Electrical parameters

V = 24.00 V I = 0.4006 A P = 9.614 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-RD
Sample No. : 1

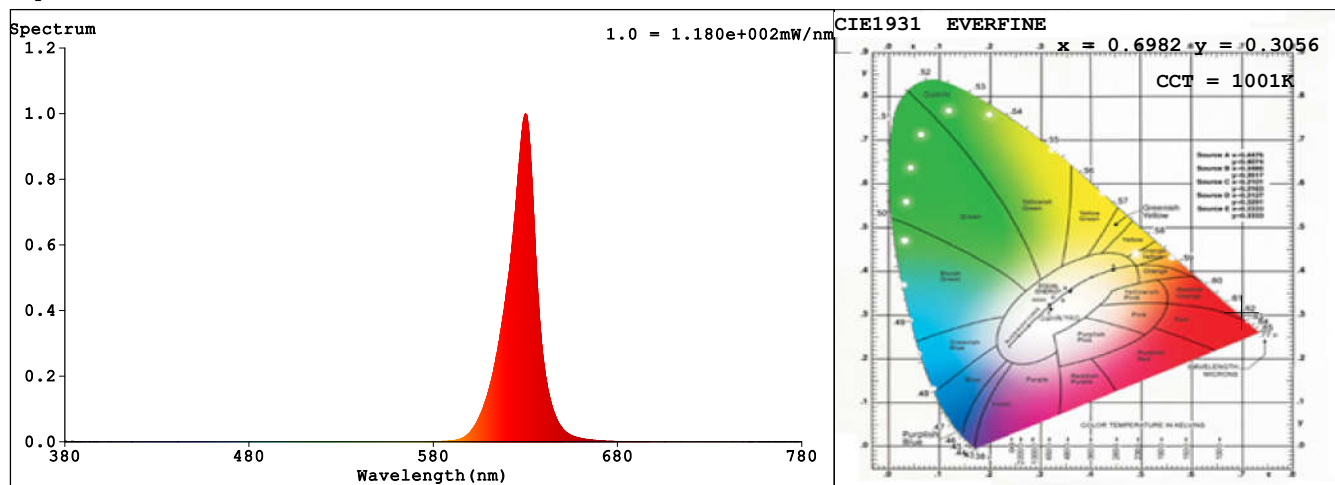
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 55939 (85%)
T : 38 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6982$ $y = 0.3056$ / $u' = 0.5298$ $v' = 0.5218$ ($duv = -8.13e-02$)

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

Peak WL: $L_p = 630nm$ FWHM: $\approx 15.5nm$ Ratio: R=98.4% G=1.6% B=0.0%

Render Index: $R_a = 24.3$ CRI = 28.5 TM30: $R_f = 0$ $R_g = 0$

EEL: 0.23814 A

R1=2 R2=78 R3=24 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 = 466.14 lm Eff. : 46.78 lm/W $F_e = 2.2606 W$

Electrical parameters

V = 24.00 V I = 0.4152 A P = 9.964 W PF = 1.000 F=0.00 Hz



Date : 2026-04-26
Test by : E.V.
Specification : AL-SL-NU-IP68-24-YW
Sample No. : 1

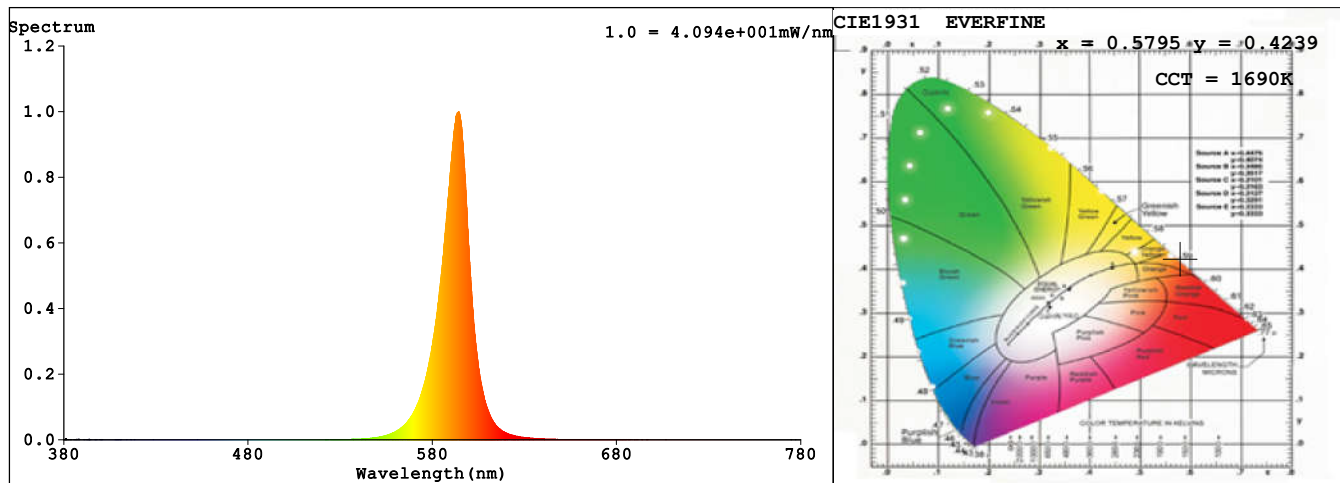
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 48490 (74%)
T : 93 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.5795$ $y = 0.4239$ / $u' = 0.3346$ $v' = 0.5507$ ($\text{duv} = 6.00e-03$)
CCT= 1690K Prcp WL: Ld=590.2nm Purity=100.0%
Peak WL: Lp=594nm FWHM: =15.9nm Ratio:R=13.8% G=86.2% B=0.0%
Render Index: Ra = 12.4 CRI = 11.1 TM30:Rf=1 Rg=3

EEL: 0.25172 B

R1=0 R2=48 R3=20 R4=0 R5=0 R6=32 R7=0
R8=0 R9=0 R10=20 R11=0 R12=0 R13=0 R14=47 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 401.32 lm Eff.: 42.75 lm/W Fe = 808.59 mW

Electrical parameters

V = 24.00 V I = 0.3912 A P = 9.388 W PF = 1.000 F=0.00 Hz

