

Date : 2026-07-17
Test by : E.V.
Specification : AL-SL-DL-CC-IP68-24-RGB3K
Sample No. : 1

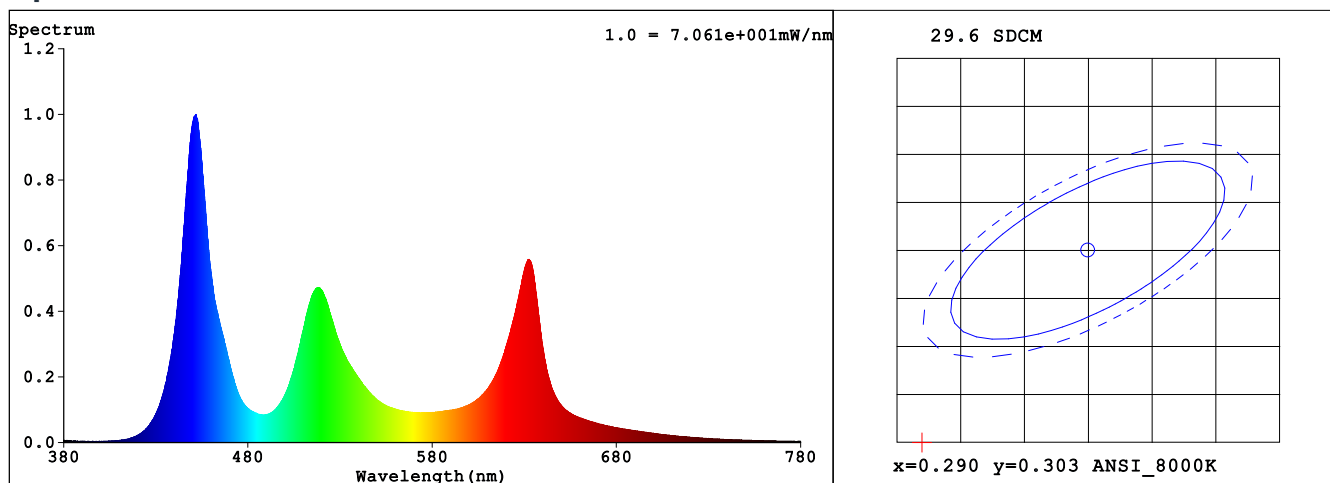
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53364 (81%)
T : 109 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2774$ $y = 0.2548$ / $u' = 0.2016$ $v' = 0.4168$ ($duv = -1.53e-02$)

CCT= 14116K Prcp WL: Ld=467.6nm Purity=27.5%

Peak WL: Lp=452nm FWHM: =17.3nm Ratio:R=21.4% G=71.5% B=7.1%

Render Index: Ra = 55.5 CRI = 49.6 TM30:Rf=68 Rg=126

EEL: 0.22802 A

R1=40 R2=80 R3=69 R4=34 R5=54 R6=78 R7=71
R8=17 R9=0 R10=59 R11=13 R12=73 R13=49 R14=79 R15=27

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 998.84 lm Eff.: 57.07 lm/W Fe = 4.3412 W

Electrical parameters

V = 24.00 V I = 0.7293 A P = 17.50 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

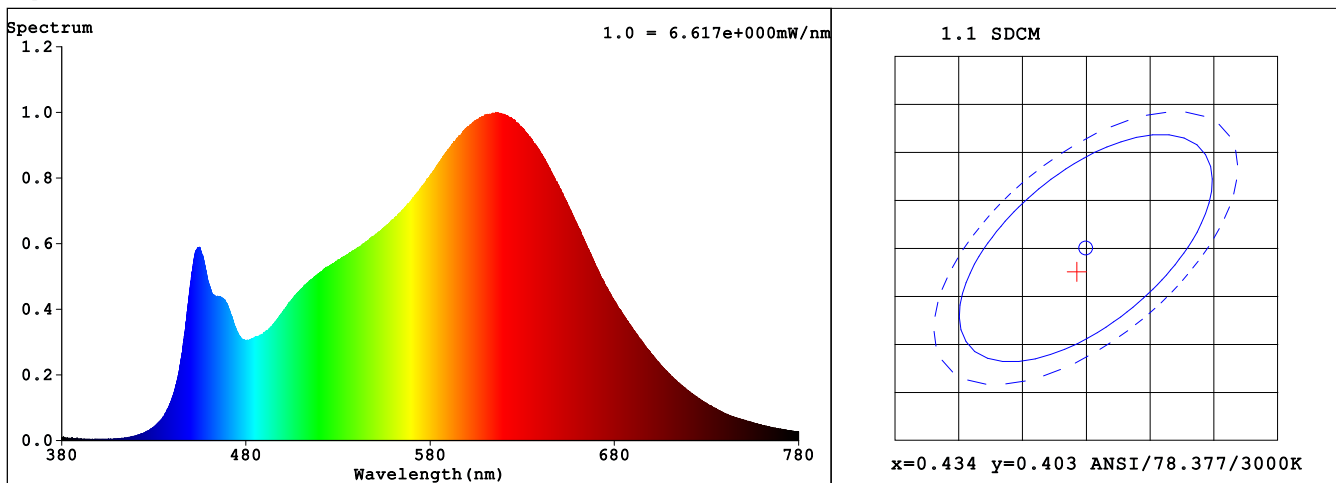
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 51876 (79%)
T : 595 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4331$ $y = 0.4006$ / $u' = 0.2496$ $v' = 0.5194$ ($duv = -1.05e-03$)

CCT= 3037K Prcp WL: Ld=583.0nm Purity=50.2%

Peak WL: Lp=616nm FWHM: =155.3nm Ratio:R=23.9% G=72.7% B=3.4%

Render Index: Ra = 91.9 CRI = 89.4 TM30:Rf=90 Rg=97

EEL: 0.13806 A+

R1 =93 R2 =99 R3 =96 R4 =91 R5 =93 R6 =96 R7 =89

R8 =78 R9 =54 R10=96 R11=93 R12=80 R13=95 R14=99 R15=88

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 332.17 lm Eff. : 74.46 lm/W Fe = 1.1175 W

Electrical parameters

V = 24.00 V I = 0.1859 A P = 4.461 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

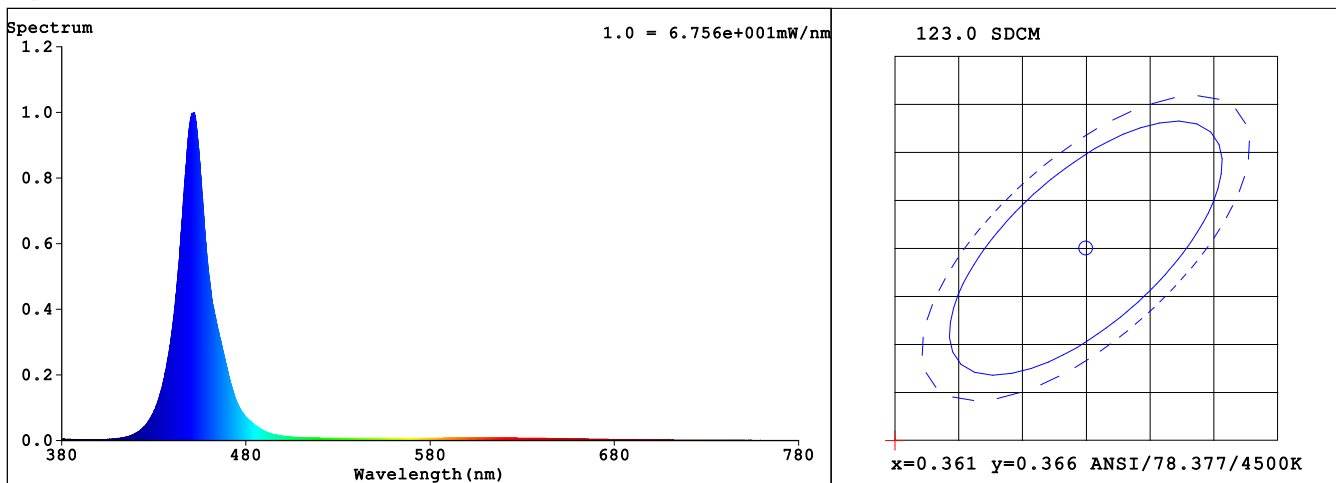
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53547 (82%)
T : 129 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1632$ $y = 0.0423$ / $u' = 0.2052$ $v' = 0.1196$ ($duv = -1.90e-01$)

CCT ≥ 1000000 K Prcp WL: $L_d = 454.6$ nm Purity=93.6%

Peak WL: $L_p = 452$ nm FWHM: =16.9nm Ratio:R=7.3% G=31.3% B=61.3%

Render Index: $R_a = 17.9$ CRI = 14.8 TM30:Rf=0 Rg=-77

EEL: 0.37589 B

R1 =72 R2 =0 R3 =0 R4 =0 R5 =71 R6 =0 R7 =0
R8 =0 R9 =1 R10=0 R11=0 R12=0 R13=21 R14=0 R15=56

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 85.185 lm Eff. : 18.43 lm/W $\Phi_e = 1.6103$ W

Electrical parameters

V = 24.00 V I = 0.1926 A P = 4.622 W PF = 1.000 F=0.00 Hz



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Sample No. : 4

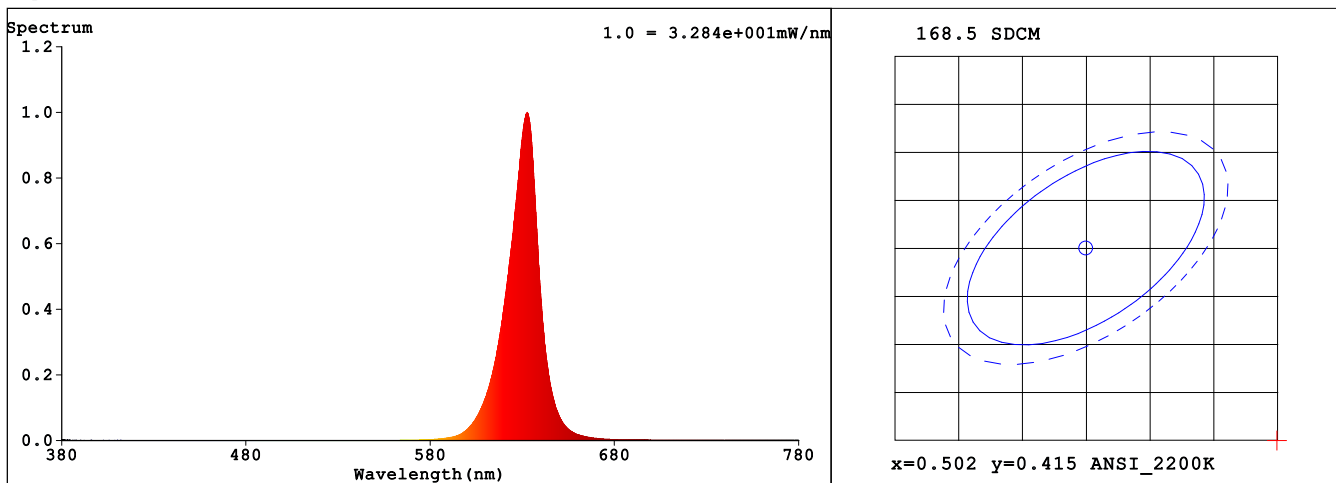
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52502 (80%)
T : 129 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6995$ $y = 0.3043$ / $u' = 0.5327$ $v' = 0.5214$ ($duv = -8.42e-02$)

CCT= 1001K Prcp WL: Ld=621.9nm Purity=100.0%

Peak WL: Lp=633nm FWHM: =17.1nm Ratio:R=97.0% G=2.9% B=0.0%

Render Index: Ra = 25.8 CRI = 29.8 TM30:Rf=0 Rg=0

EEL: 0.25177 B

R1=6 R2=78 R3=30 R4=0 R5=0 R6=90 R7=4
R8=0 R9=0 R10=72 R11=0 R12=79 R13=29 R14=59 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 130.88 lm Eff. : 31.54 lm/W Fe = 682.19 mW

Electrical parameters

V = 24.00 V I = 0.1729 A P = 4.149 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

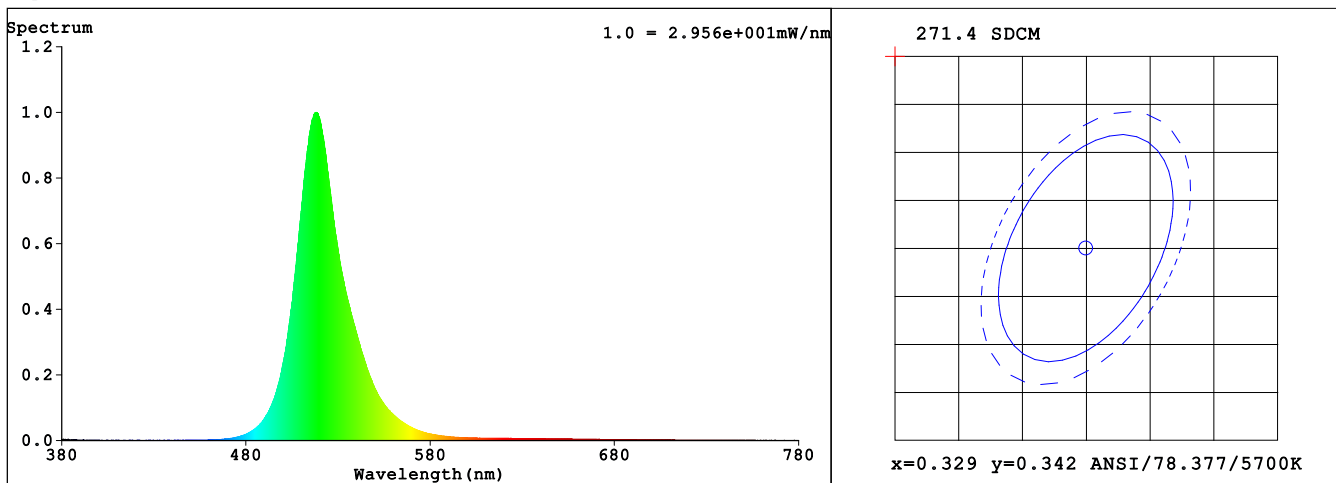
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53487 (82%)
T : 159 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1570$ $y = 0.7359$ / $u' = 0.0545$ $v' = 0.5751$ ($duv=1.63e-01$)

CCT= 7978K Prcp WL: Ld=525.5nm Purity=82.0%

Peak WL: Lp=518nm FWHM: =25.9nm Ratio:R=0.5% G=97.7% B=1.8%

Render Index: Ra = 0.0 CRI = 2.2 TM30:Rf=1 Rg=7

EEL: 0.10781 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 = 457.27 lm Eff. : 102.89 lm/W Fe = 969.67 mW

Electrical parameters

V = 24.00 V I = 0.1852 A P = 4.444 W PF = 1.000 F=0.00 Hz

