

Date : 2026-07-10
Test by : E.V.
Specification : AL-SL-DL-CC-IP20-24-RGB27K
Sample No. : 1

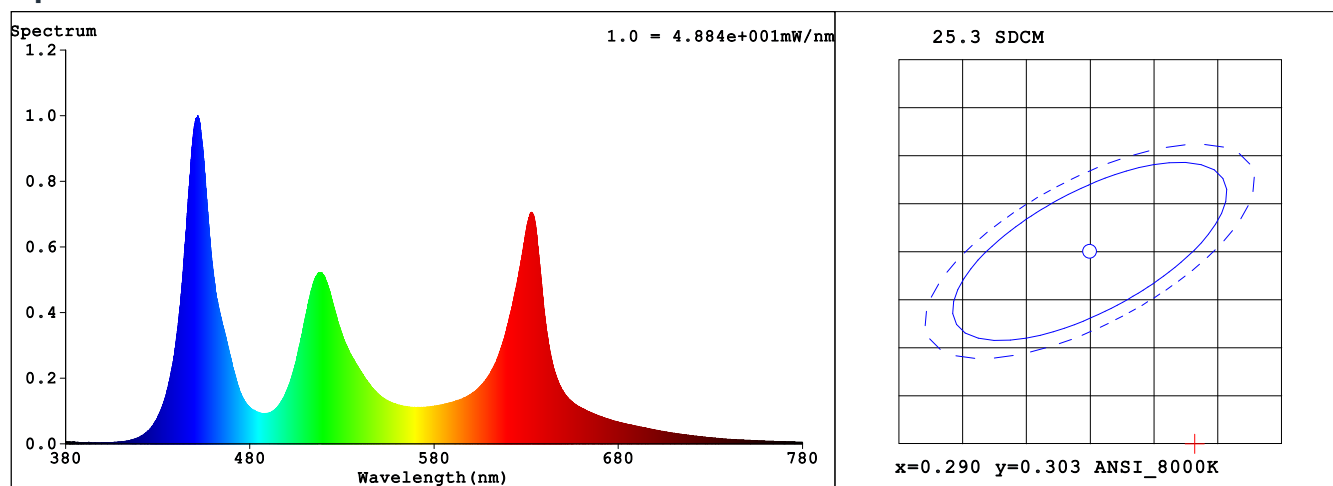
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 55074 (84%)
T : 129 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2986$ $y = 0.2724$ / $u' = 0.2106$ $v' = 0.4323$ ($duv = -1.94e-02$)

CCT= 8787K Prcp WL: Ld=452.0nm Purity=19.4%

Peak WL: Lp=452nm FWHM: =17.2nm Ratio:R=23.5% G=70.2% B=6.3%

Render Index: Ra = 50.2 CRI = 44.8 TM30:Rf=68 Rg=127

EEL: 0.27305 B

R1 =34 R2 =76 R3 =71 R4 =27 R5 =46 R6 =71 R7 =68
R8 =9 R9 =0 R10=48 R11=5 R12=73 R13=43 R14=79 R15=21
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 807.47 lm Eff. : 45.80 lm/W Fe = 3.4267 W

Electrical parameters

V = 24.00 V I = 0.7347 A P = 17.63 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

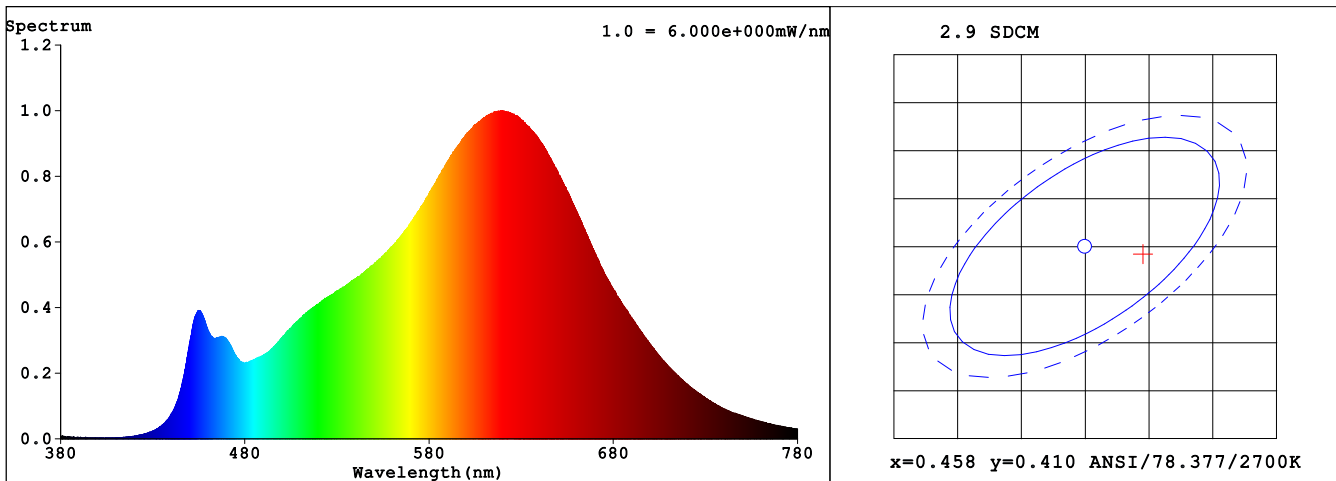
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52039 (79%)
T : 665 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4624$ $y = 0.4093$ / $u' = 0.2647$ $v' = 0.5272$ ($duv = -9.94e-04$)

CCT= 2656K Prcp WL: Ld=584.7nm Purity=61.7%

Peak WL: Lp=619nm FWHM: =132.3nm Ratio:R=26.6% G=70.6% B=2.8%

Render Index: Ra = 91.1 CRI = 88.9 TM30:Rf=90 Rg=97

EEL: 0.16199 A+

R1 =93 R2 =99 R3 =95 R4 =91 R5 =93 R6 =96 R7 =87

R8 =76 R9 =50 R10=97 R11=93 R12=84 R13=95 R14=98 R15=87

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 271.94 lm Eff. : 60.31 lm/W Fe = 940.38 mW

Electrical parameters

V = 24.00 V I = 0.1879 A P = 4.509 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

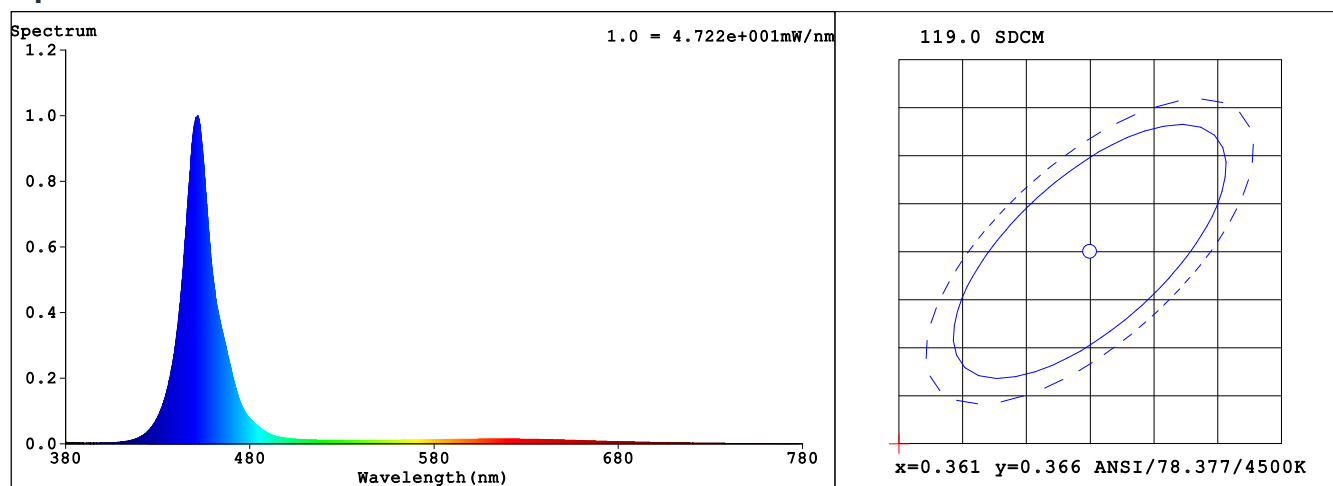
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 48102 (73%)
T : 166 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1702$ $y = 0.0525$ / $u' = 0.2069$ $v' = 0.1437$ ($duv = -1.74e-01$)

CCT $\geq 100000K$ Prcp WL: $L_d = 454.0nm$ Purity = 90.1%

Peak WL: $L_p = 452nm$ FWHM: $\approx 16.9nm$ Ratio: R=10.9% G=39.9% B=49.3%

Render Index: $R_a = 20.0$ CRI = 20.4 TM30: $R_f = 0$ $R_g = -123$

EEL: 0.40442 B

R1 = 73 R2 = 0 R3 = 0 R4 = 0 R5 = 87 R6 = 0 R7 = 0
R8 = 0 R9 = 91 R10 = 0 R11 = 0 R12 = 0 R13 = 10 R14 = 0 R15 = 45
LEVEL: OUT WHITE: OUT

Photometric & Radiometric Parameters

Flux = 75.856 lm Eff. : 16.48 lm/W $F_e = 1.1721 W$

Electrical parameters

V = 24.00 V I = 0.1918 A P = 4.603 W PF = 1.000 F = 0.00 Hz



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Sample No. : 4

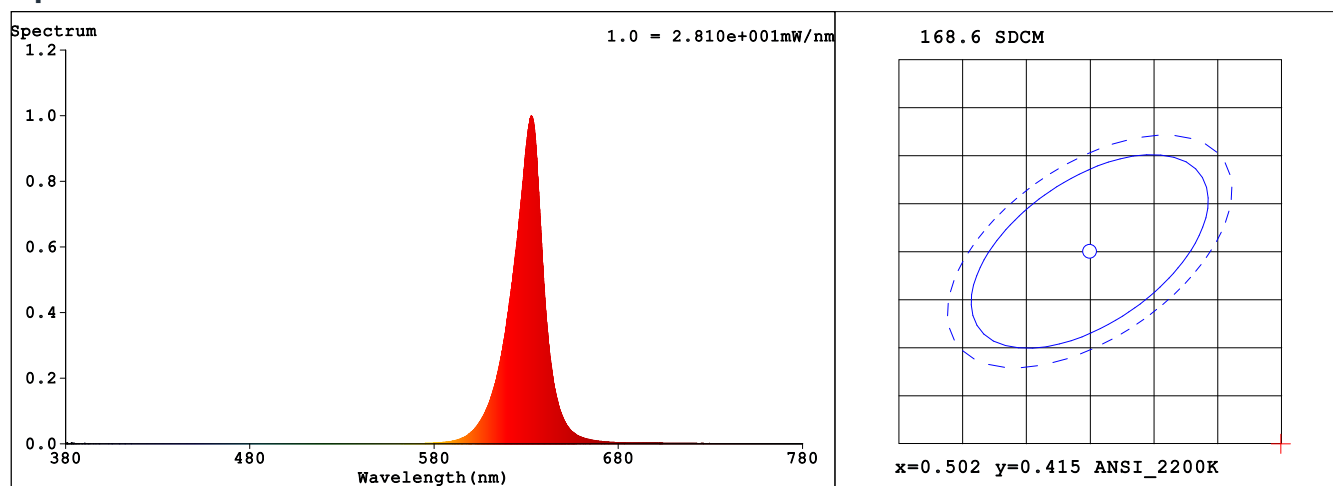
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 57793 (88%)
T : 166 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6996$ $y = 0.3042$ / $u' = 0.5330$ $v' = 0.5213$ ($duv = -8.45e-02$)

CCT= 1001K Prcp WL: Ld=622.0nm Purity=100.0%

Peak WL: Lp=633nm FWHM: =16.9nm Ratio:R=96.9% G=3.1% B=0.0%

Render Index: Ra = 25.9 CRI = 29.8 TM30:Rf=0 Rg=0

EEL: 0.28408 B

R1 =6 R2 =78 R3 =30 R4 =0 R5 =0 R6 =89 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 = 111.15 lm Eff. : 26.57 lm/W Fe = 585.65 mW

Electrical parameters

V = 24.00 V I = 0.1743 A P = 4.183 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

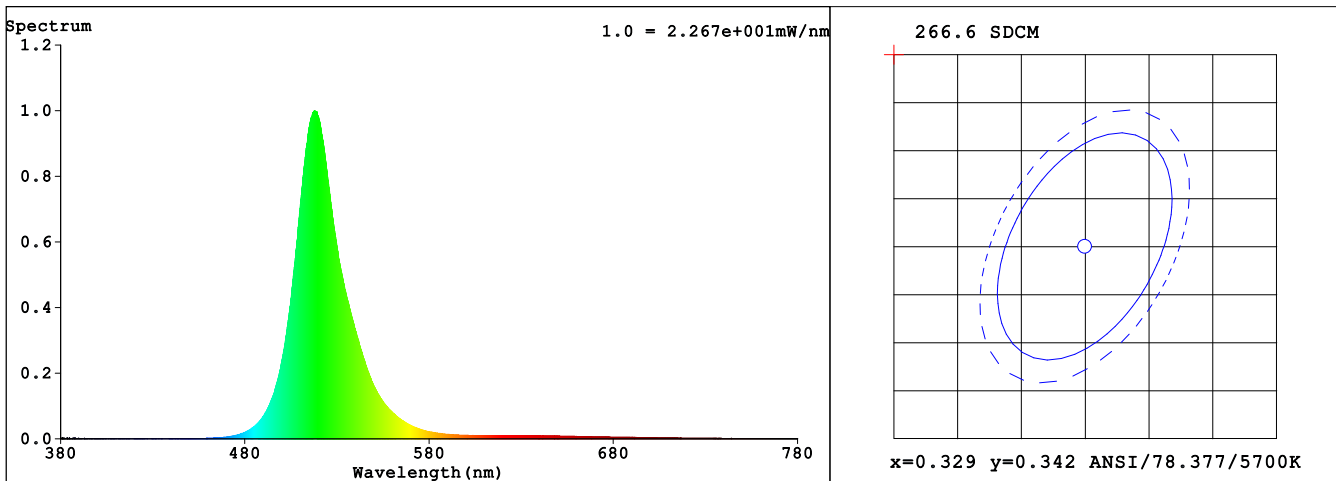
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53573 (82%)
T : 208 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1618$ $y = 0.7317$ / $u' = 0.0565$ $v' = 0.5748$ ($duv=1.61e-01$)

CCT= 7922K Prcp WL: Ld=526.0nm Purity=81.4%

Peak WL: Lp=518nm FWHM: =26.2nm Ratio:R=0.8% G=97.4% B=1.8%

Render Index: Ra = 0.0 CRI = 2.3 TM30:Rf=2 Rg=8

EEL: 0.13260 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=34 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 354.93 lm Eff. : 78.79 lm/W Fe = 758.57 mW

Electrical parameters

V = 24.00 V I = 0.1877 A P = 4.504 W PF = 1.000 F=0.00 Hz

