

Date : 2026-07-17
Test by : E.V.
Specification : AL-SL-DL-CC-IP68-24-RGB4K
Sample No. : 1

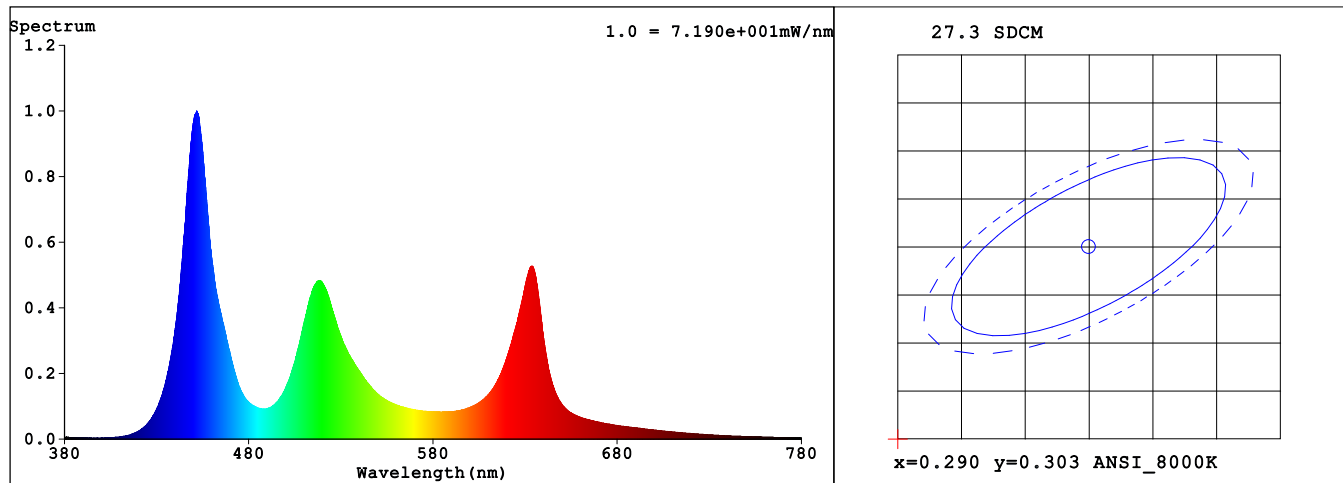
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 58739 (90%)
T : 125 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2649$ $y = 0.2539$ / $u' = 0.1921$ $v' = 0.4142$ ($duv = -6.85e-03$)

CCT= 18133K Prcp WL: Ld=473.7nm Purity=31.1%

Peak WL: Lp=452nm FWHM: =17.9nm Ratio:R=19.2% G=73.3% B=7.5%

Render Index: Ra = 63.0 CRI = 56.7 TM30:Rf=70 Rg=122

EEL: 0.22911 A

R1 =52 R2 =87 R3 =70 R4 =46 R5 =65 R6 =86 R7 =73
R8 =26 R9 =0 R10=72 R11=27 R12=71 R13=60 R14=80 R15=37
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1007.7 lm Eff. : 56.89 lm/W Fe = 4.3928 W

Electrical parameters

V = 24.00 V I = 0.7381 A P = 17.71 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

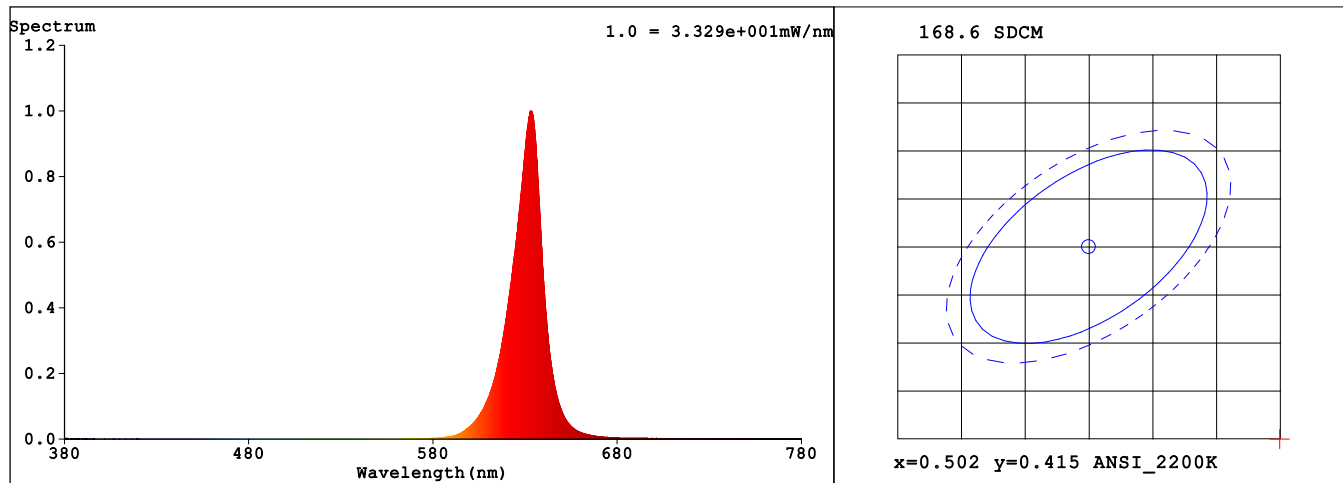
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 51622 (79%)
T : 125 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6997$ $y = 0.3041$ / $u' = 0.5330$ $v' = 0.5213$ ($duv = -8.45e-02$)

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

Peak WL: Lp=633nm FWHM: =17.0nm Ratio:R=96.7% G=3.3% B=0.0%

Render Index: Ra = 26.4 CRI = 30.1 TM30:Rf=0 Rg=0

EEL: 0.25306 B

R1 =6 R2 =78 R3 =31 R4 =0 R5 =1 R6 =89 R7 =6
R8 =0 R9 =0 R10=72 R11=0 R12=80 R13=30 R14=59 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 131.33 lm Eff. : 31.41 lm/W Fe = 696.90 mW

Electrical parameters

V = 24.00 V I = 0.1742 A P = 4.180 W PF = 1.000 F=0.00 Hz



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Specification : AL-SL-DL-CC-IP68-24-RGB4K
Sample No. : 3

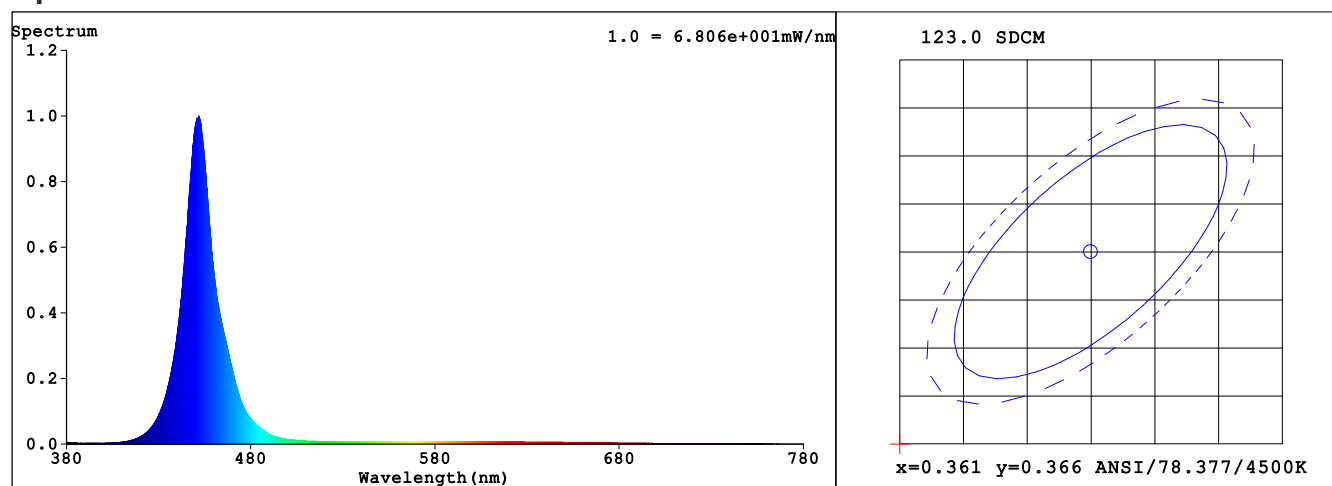
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52210 (80%)
T : 125 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1618$ $y = 0.0424$ / $u' = 0.2032$ $v' = 0.1199$ ($duv = -1.90e-01$)

CCT ≥ 1000000 K Prcp WL: $L_d = 455.4$ nm Purity=93.8%

Peak WL: $L_p = 452$ nm FWHM: ≈ 17.4 nm Ratio: R=6.3% G=31.1% B=62.6%

Render Index: Ra = 16.0 CRI = 13.9 TM30:Rf=0 Rg=-82

EEL: 0.36935 B

R1 =64 R2 =0 R3 =0 R4 =0 R5 =64 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=24 R14=0 R15=56
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 86.974 lm Eff.: 18.89 lm/W Fe = 1.6432 W

Electrical parameters

V = 24.00 V I = 0.1919 A P = 4.605 W PF = 1.000 F=0.00 Hz



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Specification : AL-SL-DL-CC-IP68-24-RGB4K
Sample No. : 4

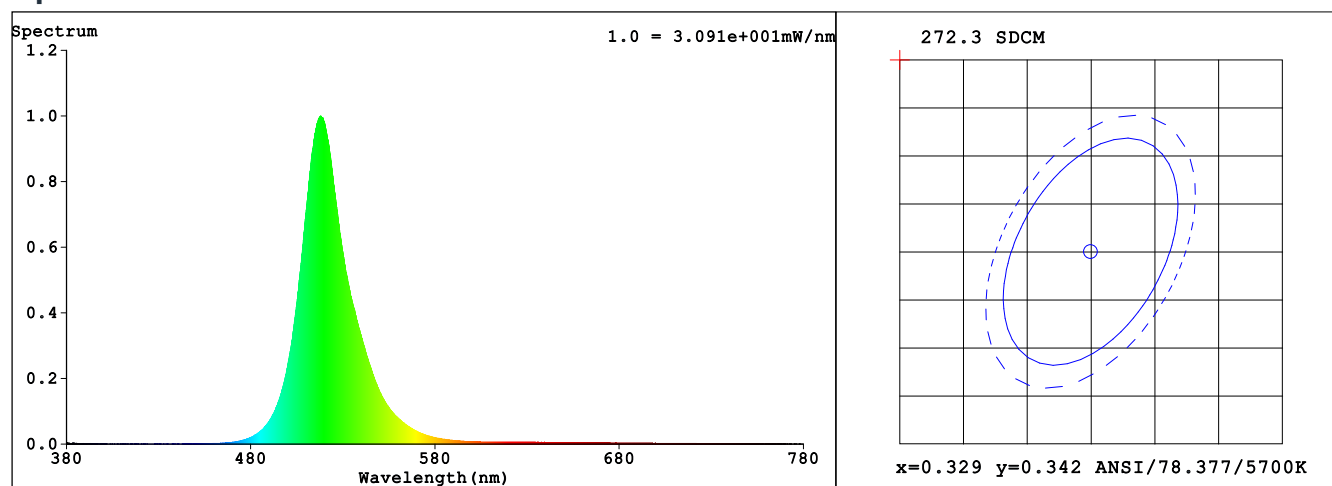
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53701 (82%)
T : 153 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1555$ $y = 0.7358$ / $u' = 0.0540$ $v' = 0.5749$ ($duv=1.63e-01$)

CCT= 8005K Prcp WL: Ld=525.2nm Purity=81.8%

Peak WL: Lp=518nm FWHM: =26.1nm Ratio:R=0.5% G=97.7% B=1.9%

Render Index: Ra = 0.0 CRI = 2.3 TM30:Rf=1 Rg=7

EEL: 0.10844 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 = 479.05 lm Eff.: 103.38 lm/W Fe = 1.0184 W

Electrical parameters

V = 24.00 V I = 0.1931 A P = 4.634 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

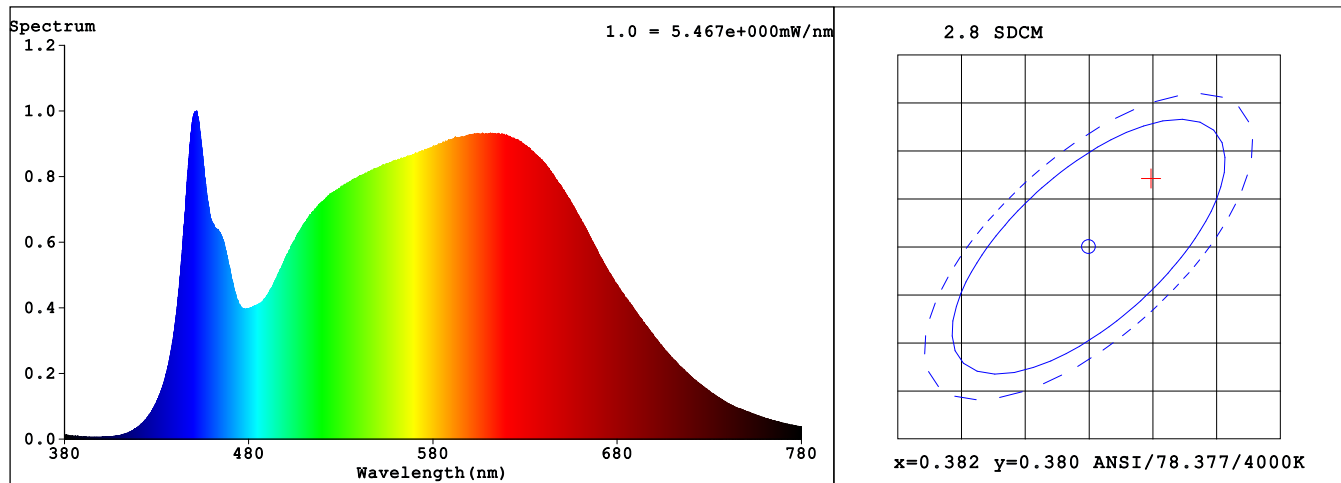
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52193 (80%)
T : 765 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3867$ $y = 0.3868$ / $u' = 0.2252$ $v' = 0.5069$ ($duv=2.99e-03$)

CCT= 3910K Prcp WL: $L_d=578.0nm$ Purity=32.1%

Peak WL: $L_p=452nm$ FWHM: $\approx 27.5nm$ Ratio: R=19.4% G=76.6% B=4.0%

Render Index: $R_a = 91.7$ CRI = 87.9 TM30: $R_f=91$ $R_g=98$

EEL: 0.13854 A+

R1 =91 R2 =94 R3 =96 R4 =91 R5 =90 R6 =92 R7 =94

R8 =84 R9 =60 R10=86 R11=91 R12=70 R13=92 R14=98 R15=88

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 322.13 lm Eff. : 73.63 lm/W $\Phi_e = 1.0905 W$

Electrical parameters

V = 24.00 V I = 0.1823 A P = 4.375 W PF = 1.000 F=0.00 Hz

