

Date : 2026-04-28
Test by : E.V.
Specification : AL-SL-W4-IP68-24-RGB40
Sample No. : 1

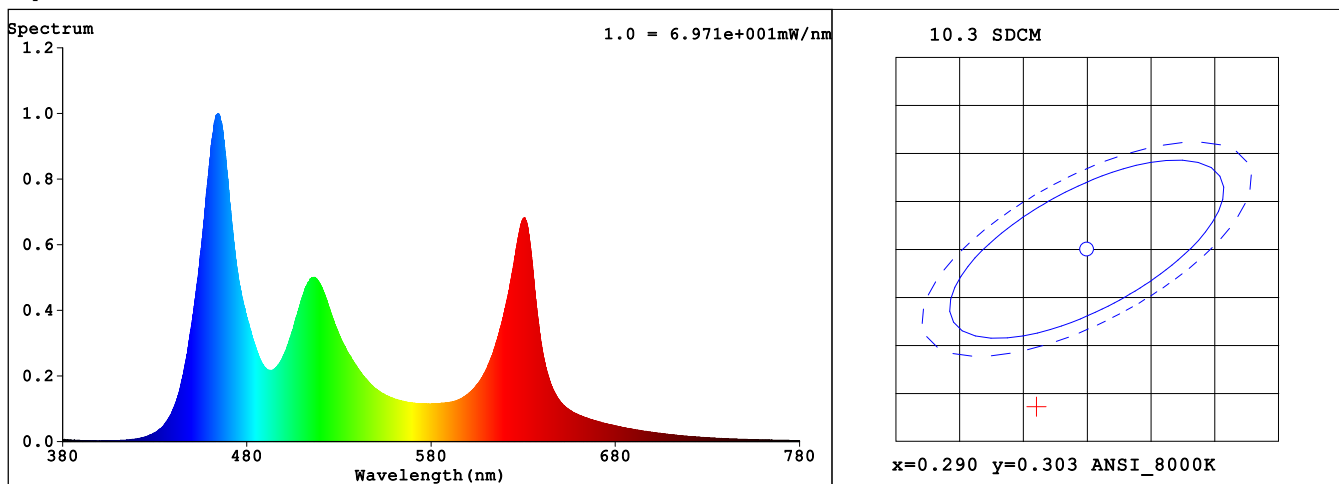
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 52669 (80%)
T : 89 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2865$ $y = 0.2864$ / $u' = 0.1954$ $v' = 0.4396$ ($duv = -3.67e-03$)

CCT= 9466K Prcp WL: Ld=477.0nm Purity=20.3%

Peak WL: Lp=465nm FWHM: =22.0nm Ratio:R=21.9% G=67.6% B=10.5%

Render Index: Ra = 55.1 CRI = 47.6 TM30:Rf=63 Rg=111

EEL: 0.21179 A

R1 =40 R2 =63 R3 =80 R4 =54 R5 =54 R6 =57 R7 =68

R8 =26 R9 =0 R10=14 R11=43 R12=56 R13=43 R14=86 R15=30

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1224.5 lm Eff. : 63.68 lm/W Fe = 5.0813 W

Electrical parameters

V = 24.00 V I = 0.8013 A P = 19.23 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

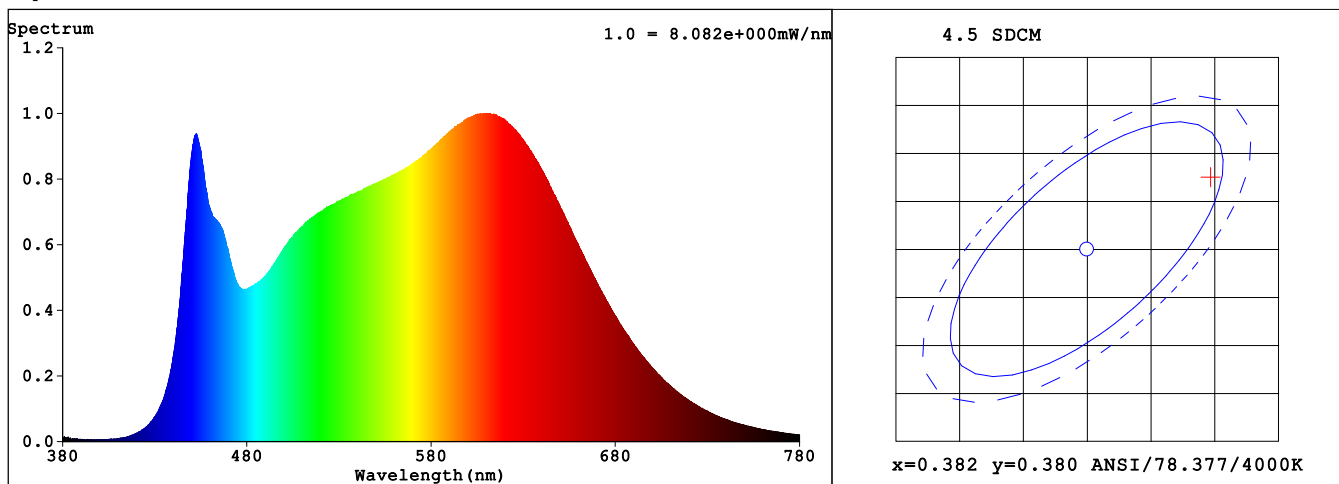
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 51770 (79%)
T : 479 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3915$ $y = 0.3872$ / $u' = 0.2282$ $v' = 0.5077$ ($duv=1.84e-03$)

CCT= 3793K Prcp WL: Ld=579.0nm Purity=33.7%

Peak WL: Lp=612nm FWHM: =179.1nm Ratio:R=20.2% G=75.3% B=4.4%

Render Index: Ra = 92.5 CRI = 89.4 TM30:Rf=90 Rg=96

EEL: 0.11150 A+

R1 =93 R2 =98 R3 =98 R4 =91 R5 =92 R6 =96 R7 =91
R8 =81 R9 =56 R10=94 R11=93 R12=74 R13=95 R14=99 R15=89
LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 473.93 lm Eff. : 100.30 lm/W Fe = 1.5516 W

Electrical parameters

V = 24.00 V I = 0.1969 A P = 4.725 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

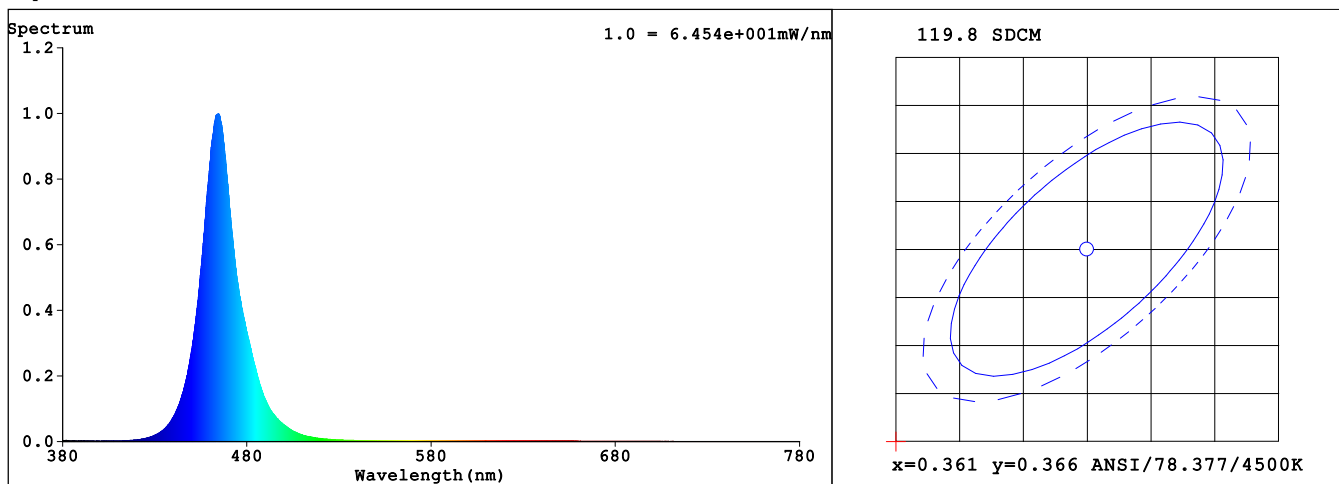
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 55073 (84%)
T : 119 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1393$ $y = 0.0632$ / $u' = 0.1601$ $v' = 0.1635$ ($duv = -1.61e-01$)

CCT $\geq 1000000K$ Prcp WL: $L_d = 467.9nm$ Purity=95.1%

Peak WL: $L_p = 465nm$ FWHM: $\approx 20.0nm$ Ratio: R=1.6% G=16.6% B=81.9%

Render Index: $R_a = 1.9$ CRI = 1.8 TM30: $R_f = 0$ $R_g = -143$

EEL: 0.31876 B

R1 =1 R2 =0 R3 =0 R4 =0 R5 =14 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=12
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 115.09 lm Eff.: 23.94 lm/W $\Phi_e = 1.6628 W$

Electrical parameters

V = 24.00 V I = 0.2003 A P = 4.807 W PF = 1.000 F=0.00 Hz



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Specification : AL-SL-W4-IP68-24-RGB40
Sample No. : 4

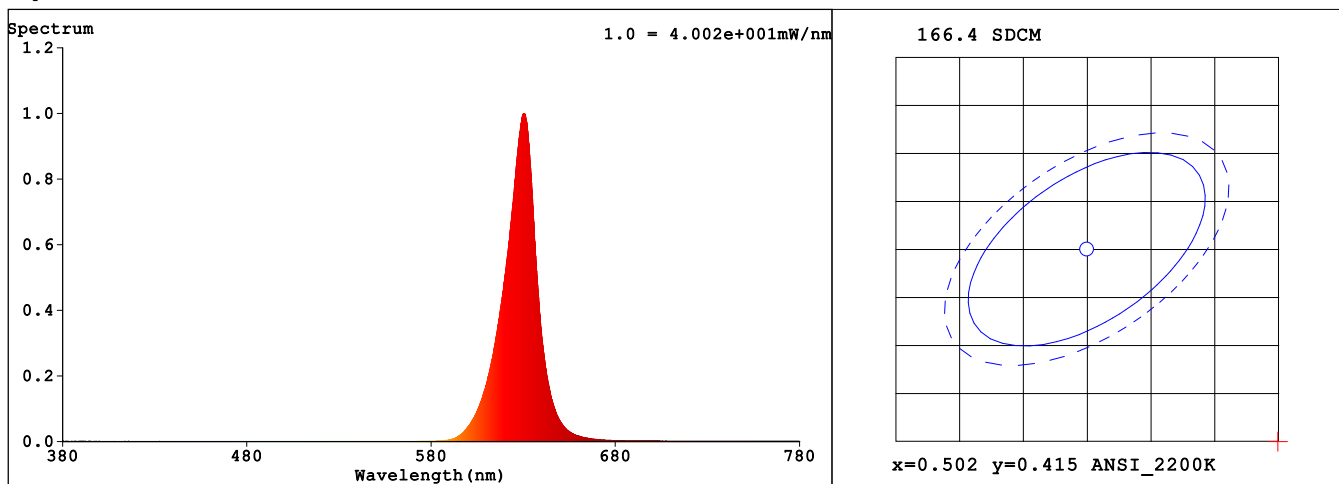
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 59294 (90%)
T : 119 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6975$ $y = 0.3063$ / $u' = 0.5283$ $v' = 0.5221$ ($duv = -7.98e-02$)

CCT= 1001K Prcp WL: Ld=620.9nm Purity=100.0%

Peak WL: Lp=631nm FWHM: =17.5nm Ratio:R=97.7% G=2.3% B=0.0%

Render Index: Ra = 24.5 CRI = 28.7 TM30:Rf=0 Rg=0

EEL: 0.24858 B

R1 =3 R2 =78 R3 =26 R4 =0 R5 =0 R6 =90 R7 =0
R8 =0 R9 =0 R10=71 R11=0 R12=79 R13=28 R14=57 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 173.70 lm Eff. : 34.75 lm/W Fe = 853.49 mW

Electrical parameters

V = 24.00 V I = 0.2083 A P = 4.999 W PF = 1.000 F=0.00 Hz



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Sample No. : 5

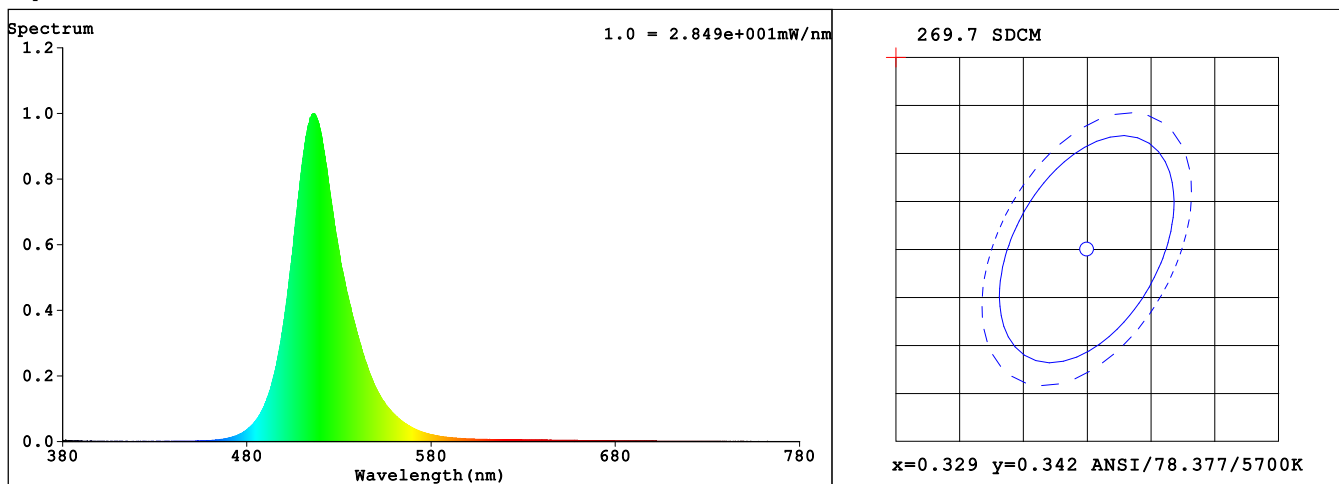
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53380 (81%)
T : 166 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1494$ $y = 0.7199$ / $u' = 0.0527$ $v' = 0.5713$ ($duv=1.63e-01$)

CCT= 8199K Prcp WL: Ld=522.8nm Purity=77.5%

Peak WL: Lp=516nm FWHM: =29.4nm Ratio:R=0.5% G=96.6% B=2.9%

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

EEL: 0.11572 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=37 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 462.68 lm Eff.: 96.11 lm/W Fe = 1.0250 W

Electrical parameters

V = 24.00 V I = 0.2006 A P = 4.814 W PF = 1.000 F=0.00 Hz

