

Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-27K
Sample No. : 1

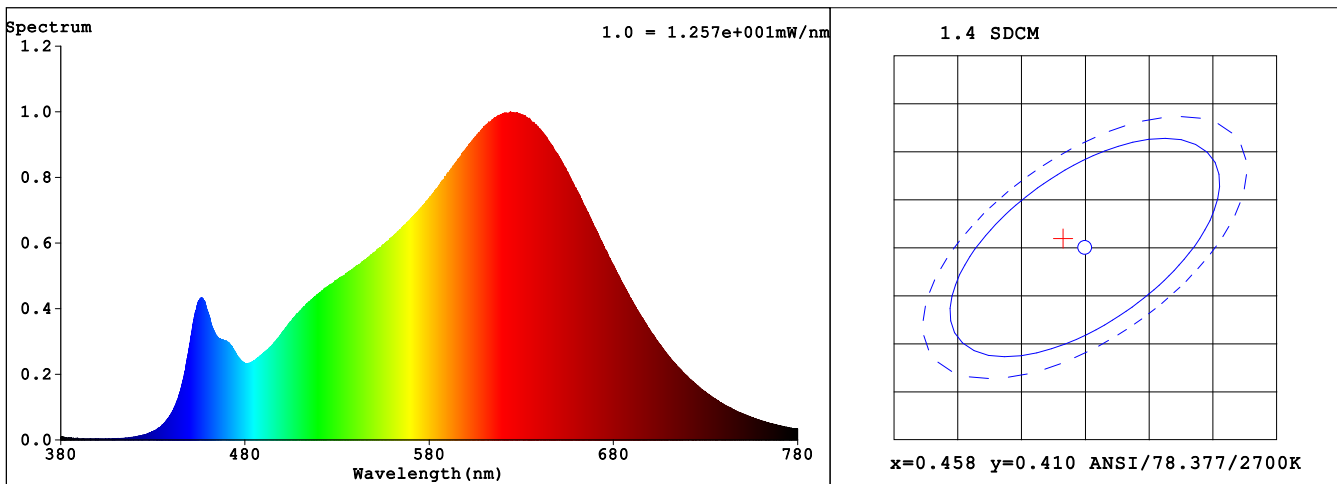
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53504 (82%)
T : 332 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4561$ $y = 0.4110$ / $u' = 0.2599$ $v' = 0.5270$ ($duv=2.10e-04$)

CCT= 2757K Prcp WL: Ld=583.8nm Purity=60.3%

Peak WL: Lp=624nm FWHM: =149.4nm Ratio:R=26.0% G=71.2% B=2.8%

Render Index: Ra = 94.1 CRI = 91.9 TM30:Rf=92 Rg=98

EEL: 0.10192 A++ Highest

R1 =95 R2 =99 R3 =99 R4 =94 R5 =95 R6 =97 R7 =91

R8 =83 R9 =65 R10=96 R11=95 R12=83 R13=96 R14=100 R15=91

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 583.12 lm Eff. : 114.83 lm/W Fe = 2.0649 W

Electrical parameters

V = 24.00 V I = 0.2116 A P = 5.078 W PF = 1.000 F=0.00 Hz



Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-27K-32
Sample No. : 1

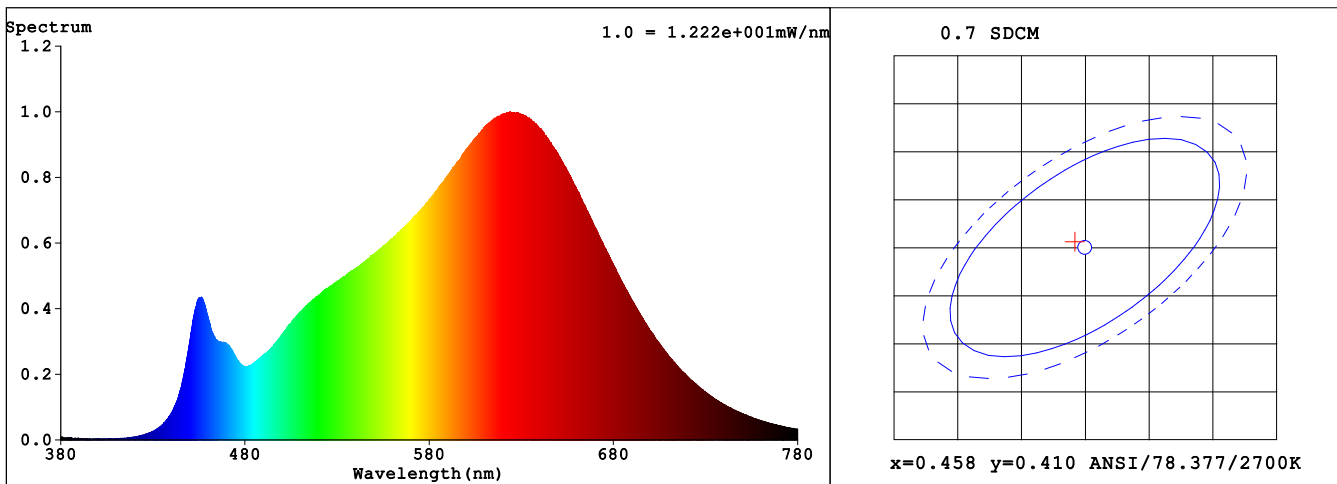
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 51920 (79%)
T : 332 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4570$ $y = 0.4107$ / $u' = 0.2606$ $v' = 0.5270$ ($duv = -3.21e-06$)

CCT= 2741K Prpc WL: Ld=583.9nm Purity=60.5%

Peak WL: Lp=624nm FWHM: =148.5nm Ratio:R=26.1% G=71.1% B=2.8%

Render Index: Ra = 94.2 CRI = 92.0 TM30:Rf=92 Rg=98

EEL: 0.10220 A++ Highest

R1 =95 R2 =99 R3 =99 R4 =94 R5 =95 R6 =97 R7 =92

R8 =84 R9 =66 R10=96 R11=96 R12=83 R13=96 R14=100 R15=91

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 562.99 lm Eff.: 113.66 lm/W Fe = 1.9991 W

Electrical parameters

V = 24.00 V I = 0.2064 A P = 4.953 W PF = 1.000 F=0.00 Hz



Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-3K
Sample No. : 1

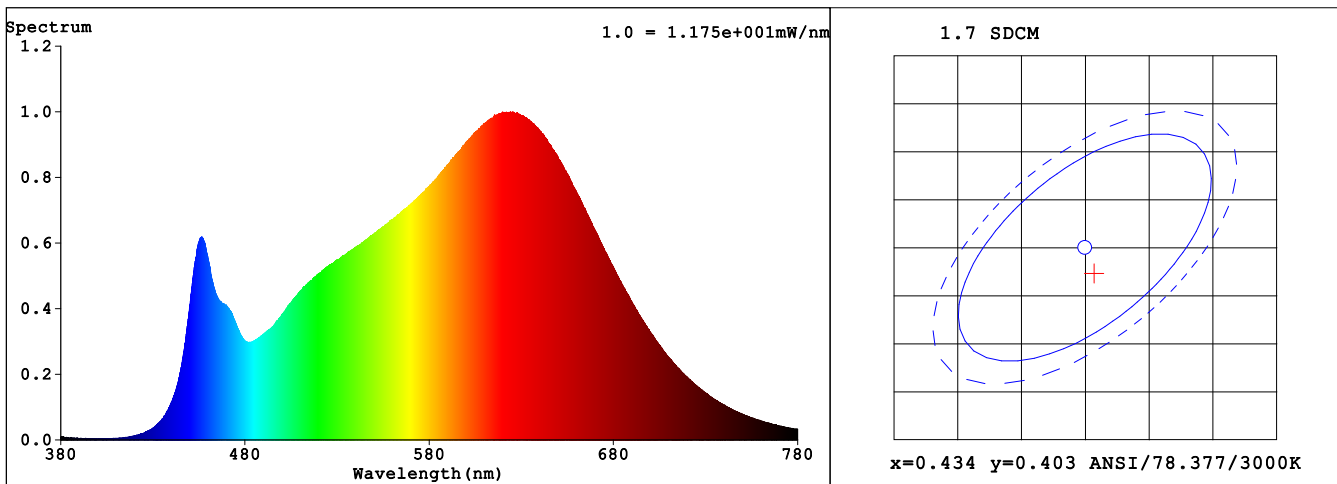
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53219 (81%)
T : 351 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4345$ $y = 0.4003$ / $u' = 0.2506$ $v' = 0.5195$ ($duv = -1.37e-03$)

CCT= 3010K Prcp WL: Ld=583.2nm Purity=50.6%

Peak WL: Lp=624nm FWHM: =163.7nm Ratio:R=24.4% G=72.2% B=3.4%

Render Index: Ra = 94.6 CRI = 92.9 TM30:Rf=92 Rg=99

EEL: 0.09942 A++ Highest

R1 =96 R2 =100 R3 =98 R4 =94 R5 =96 R6 =96 R7 =92

R8 =86 R9 =71 R10=98 R11=95 R12=80 R13=98 R14=100 R15=93

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 582.38 lm Eff. : 117.69 lm/W Fe = 2.0537 W

Electrical parameters

V = 24.00 V I = 0.2062 A P = 4.948 W PF = 1.000 F=0.00 Hz



Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-3K-32
Sample No. : 1

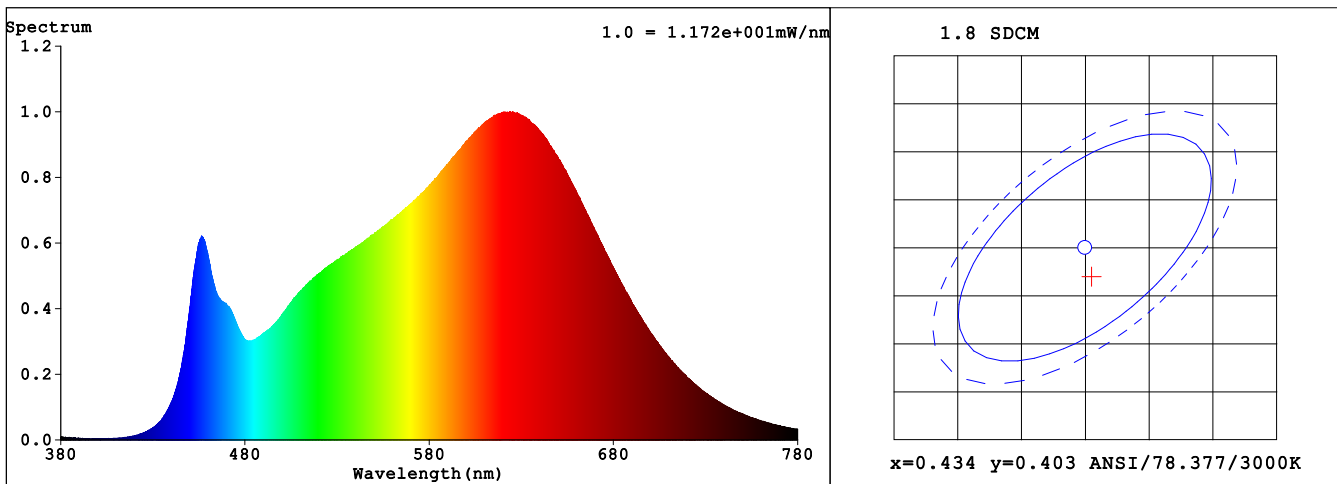
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53131 (81%)
T : 351 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4343$ $y = 0.4000$ / $u' = 0.2507$ $v' = 0.5194$ ($duv = -1.48e-03$)

CCT= 3011K Prcp WL: Ld=583.3nm Purity=50.4%

Peak WL: Lp=624nm FWHM: =163.6nm Ratio:R=24.4% G=72.2% B=3.4%

Render Index: Ra = 94.5 CRI = 92.8 TM30:Rf=92 Rg=99

EEL: 0.09989 A++ Highest

R1 =96 R2 =100 R3 =98 R4 =94 R5 =96 R6 =96 R7 =92

R8 =86 R9 =71 R10=99 R11=95 R12=80 R13=98 R14=100 R15=93

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 581.37 lm Eff. : 117.09 lm/W Fe = 2.0511 W

Electrical parameters

V = 24.00 V I = 0.2069 A P = 4.965 W PF = 1.000 F=0.00 Hz



Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-4K
Sample No. : 1

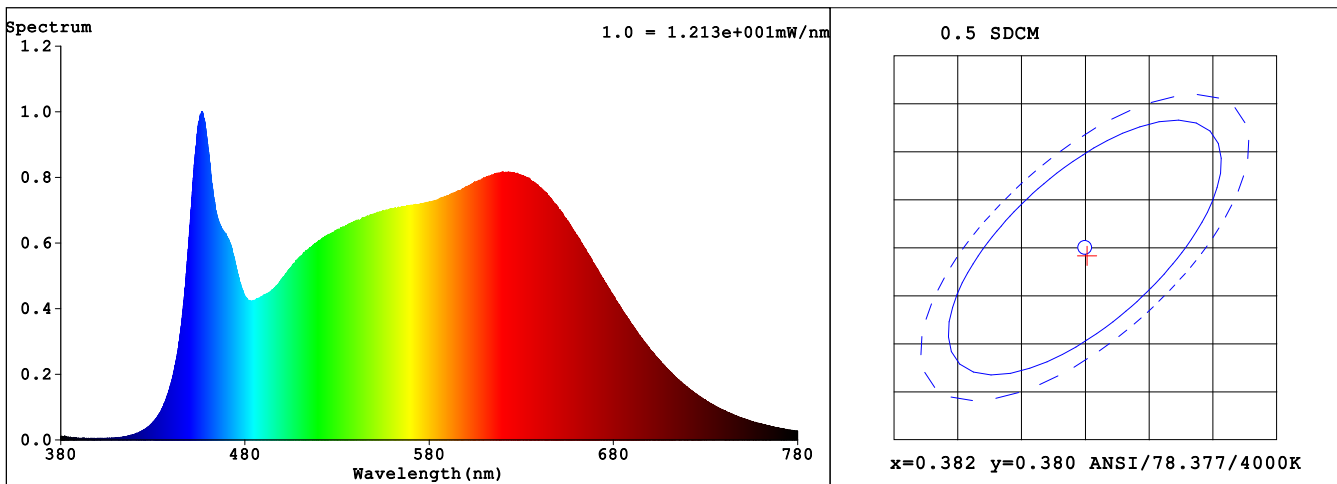
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53598 (82%)
T : 416 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3820$ $y = 0.3788$ / $u' = 0.2253$ $v' = 0.5027$ ($duv=6.75e-04$)

CCT= 3974K Prcp WL: Ld=578.9nm Purity=28.3%

Peak WL: Lp=457nm FWHM: =28.3nm Ratio:R=20.1% G=75.1% B=4.9%

Render Index: Ra = 95.1 CRI = 93.3 TM30:Rf=91 Rg=98

EEL: 0.09720 A++ Highest

R1 =97 R2 =99 R3 =99 R4 =92 R5 =94 R6 =96 R7 =93

R8 =90 R9 =83 R10=98 R11=94 R12=71 R13=99 R14=100 R15=94

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 604.51 lm Eff.: 121.34 lm/W Fe = 2.1199 W

Electrical parameters

V = 24.00 V I = 0.2076 A P = 4.982 W PF = 1.000 F=0.00 Hz



Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-4K-32
Sample No. : 1

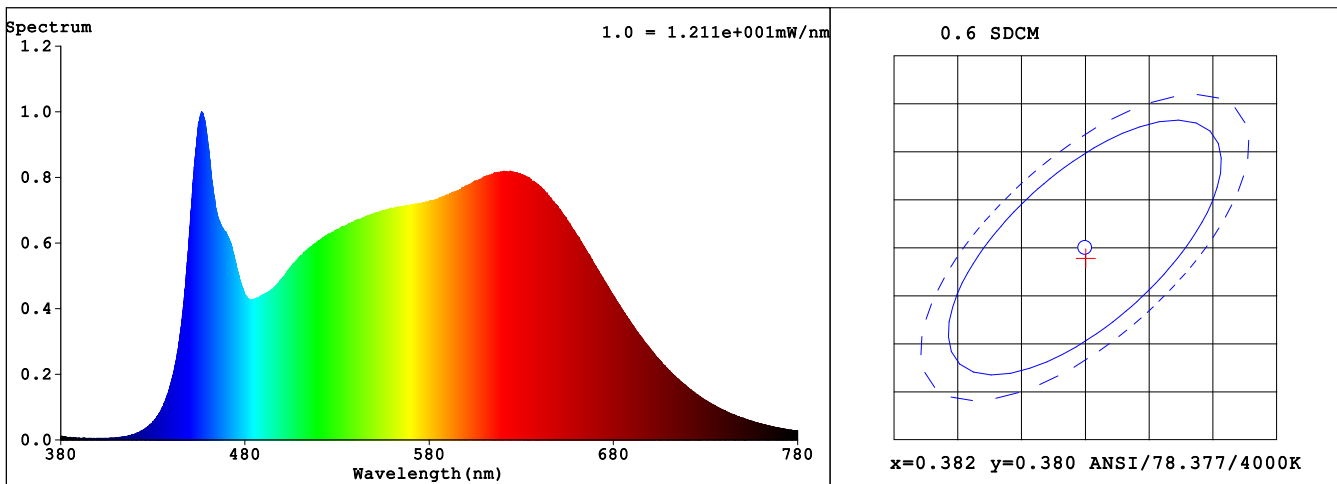
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53709 (82%)
T : 416 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3819$ $y = 0.3786$ / $u' = 0.2253$ $v' = 0.5026$ ($duv=5.89e-04$)

CCT= 3975K Prcp WL: Ld=578.9nm Purity=28.2%

Peak WL: Lp=457nm FWHM: =28.6nm Ratio:R=20.1% G=75.0% B=4.9%

Render Index: Ra = 95.0 CRI = 93.3 TM30:Rf=91 Rg=98

EEL: 0.09750 A++ Highest

R1 =97 R2 =99 R3 =99 R4 =92 R5 =94 R6 =96 R7 =92

R8 =90 R9 =83 R10=99 R11=94 R12=71 R13=99 R14=100 R15=94

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 604.73 lm Eff.: 120.97 lm/W Fe = 2.1219 W

Electrical parameters

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



Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-6K
Sample No. : 1

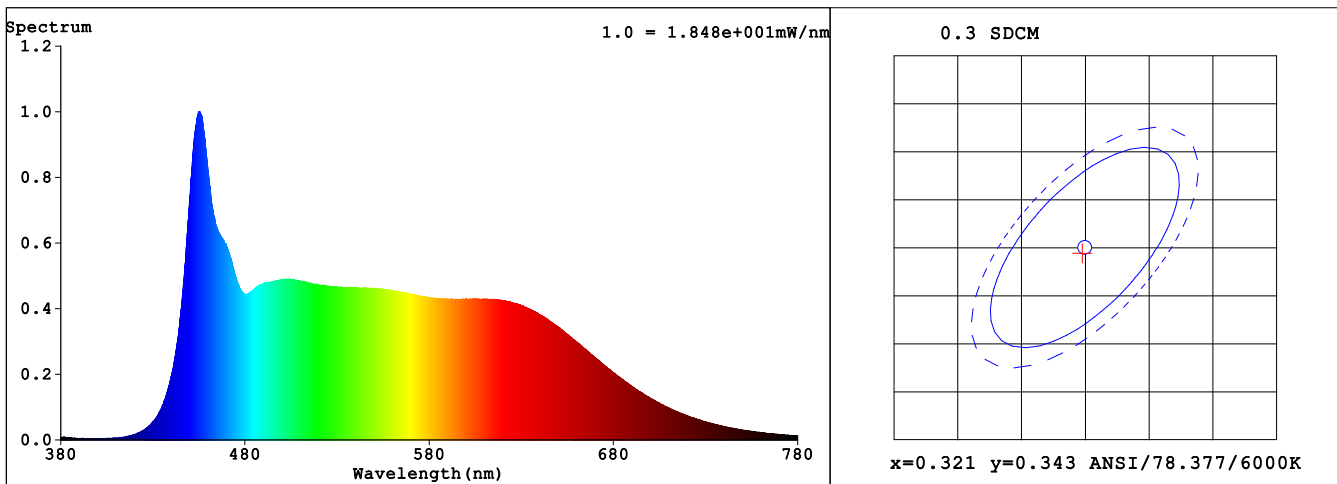
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53918 (82%)
T : 444 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3208$ $y = 0.3419$ / $u' = 0.1986$ $v' = 0.4763$ ($duv=5.79e-03$)

CCT= 6029K Prcp WL: Ld=500.8nm Purity=3.8%

Peak WL: Lp=455nm FWHM: =27.8nm Ratio:R=15.9% G=76.5% B=7.5%

Render Index: Ra = 92.9 CRI = 91.6 TM30:Rf=90 Rg=97

EEL: 0.09597 A++ Highest

R1 =97 R2 =96 R3 =93 R4 =89 R5 =94 R6 =95 R7 =89

R8 =89 R9 =86 R10=92 R11=94 R12=73 R13=98 R14=96 R15=93

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 606.45 lm Eff. : 122.97 lm/W Fe = 2.1723 W

Electrical parameters

V = 24.00 V I = 0.2055 A P = 4.932 W PF = 1.000 F=0.00 Hz



Date : 2026-04-24
Test by : E.V.
Specification : AL-SL-NS-IP20-24-6K-32
Sample No. : 1

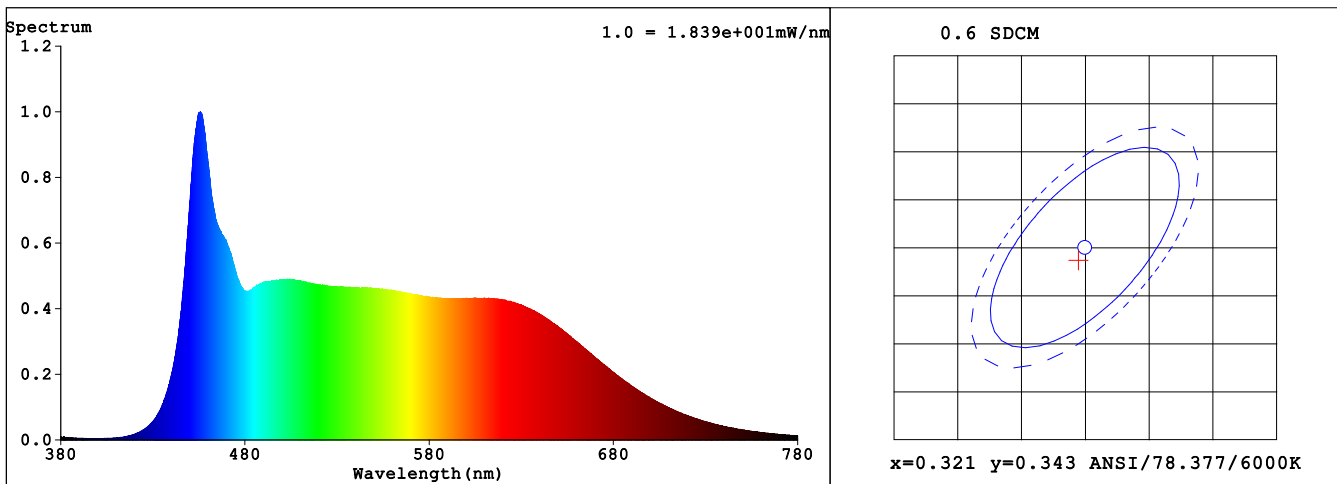
Sam. Status : Finished product test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53981 (82%)
T : 444 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3205$ $y = 0.3412$ / $u' = 0.1987$ $v' = 0.4758$ ($duv=5.57e-03$)

CCT= 6046K Prcp WL: Ld=499.8nm Purity=4.0%

Peak WL: Lp=456nm FWHM: =28.5nm Ratio:R=16.0% G=76.4% B=7.6%

Render Index: Ra = 92.6 CRI = 91.4 TM30:Rf=89 Rg=97

EEL: 0.09694 A++ Highest

R1 =97 R2 =96 R3 =93 R4 =89 R5 =94 R6 =95 R7 =89

R8 =88 R9 =86 R10=91 R11=94 R12=73 R13=98 R14=96 R15=93

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 605.03 lm Eff. : 121.68 lm/W Fe = 2.1716 W

Electrical parameters

V = 24.00 V I = 0.2072 A P = 4.972 W PF = 1.000 F=0.00 Hz

