

Date : 2026-07-10
Test by : E.V.
Specification : AL-SL-DL-CC-IP20-24-RGB-32
Sample No. : 1

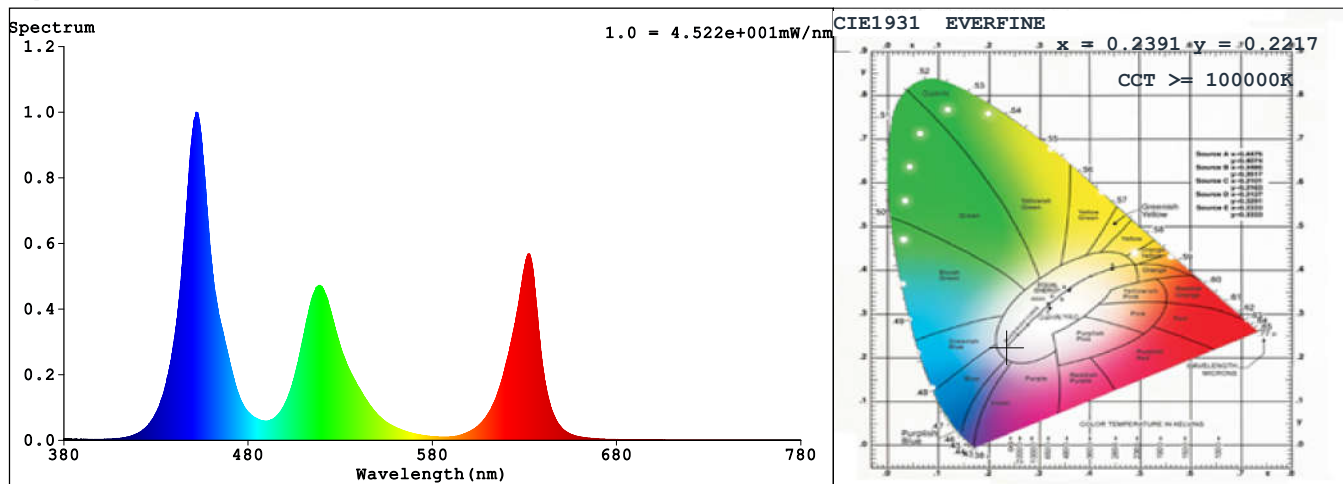
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53220 (81%)
T : 167 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2391$ $y = 0.2217$ / $u' = 0.1846$ $v' = 0.3850$ ($duv = -1.06e-02$)

CCT>=100000K Prcp WL: $L_d = 473.2\text{nm}$ Purity=43.2%

Peak WL: $L_p = 452\text{nm}$ FWHM: $\approx 17.2\text{nm}$ Ratio: R=21.0% G=70.2% B=8.8%

Render Index: $R_a = 51.4$ CRI = 45.3 TM30: $R_f = 56$ $R_g = 129$

EEL: 0.23312 A

$R_1 = 35$ $R_2 = 78$ $R_3 = 66$ $R_4 = 34$ $R_5 = 55$ $R_6 = 76$ $R_7 = 65$

$R_8 = 2$ $R_9 = 0$ $R_{10} = 49$ $R_{11} = 9$ $R_{12} = 75$ $R_{13} = 44$ $R_{14} = 77$ $R_{15} = 14$

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 473.39 lm Eff. : 47.96 lm/W $\Phi_e = 2.2434\text{ W}$

Electrical parameters

$V = 23.67\text{ V}$ $I = 0.4171\text{ A}$ $P = 9.871\text{ W}$ PF = 1.000 F=0.00 Hz



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Sample No. : 2

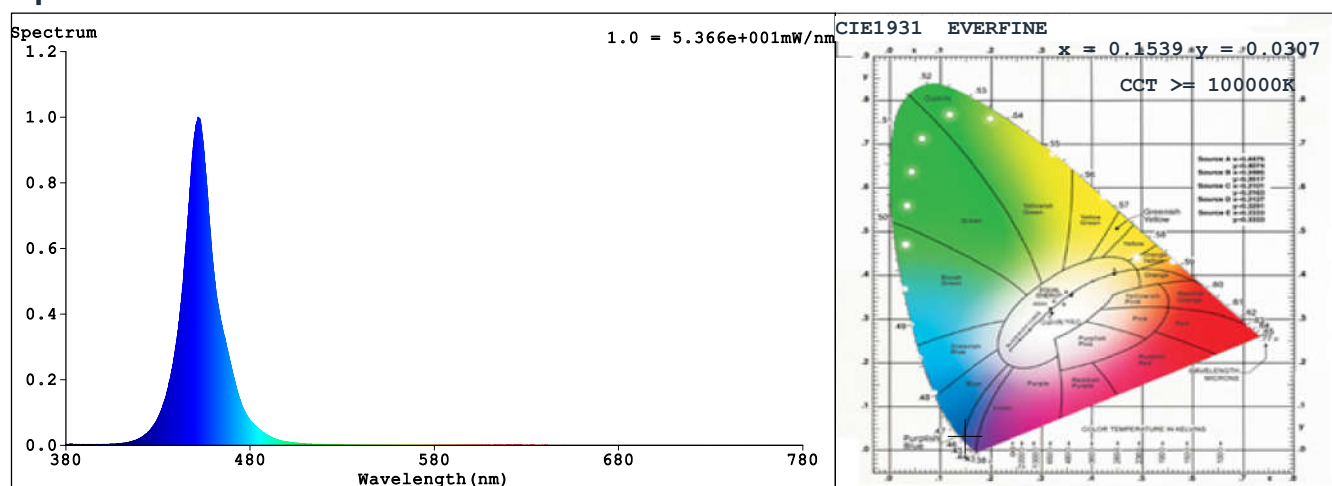
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 55285 (84%)
T : 167 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1539$ $y = 0.0307$ / $u' = 0.2012$ $v' = 0.0903$ ($duv = -2.09e-01$)

CCT>=100000K Prcp WL: $L_d = 455.8\text{nm}$ Purity=97.8%

Peak WL: $L_p = 452\text{nm}$ FWHM: $\approx 17.1\text{nm}$ Ratio: R=0.7% G=8.9% B=90.4%

Render Index: $R_a = 0.5$ CRI = 0.5 TM30: $R_f = 0$ $R_g = 16$

EEL: 0.39162 B

$R_1 = 0$ $R_2 = 0$ $R_3 = 0$ $R_4 = 0$ $R_5 = 4$ $R_6 = 0$ $R_7 = 0$
 $R_8 = 0$ $R_9 = 0$ $R_{10} = 0$ $R_{11} = 0$ $R_{12} = 0$ $R_{13} = 0$ $R_{14} = 0$ $R_{15} = 4$

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 47.199 lm Eff. : 14.42 lm/W $F_e = 1.2241\text{ W}$

Electrical parameters

V = 24.00 V I = 0.1364 A P = 3.273 W PF = 1.000 F=0.00 Hz



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Specification : AL-SL-DL-CC-IP20-24-RGB-32
Sample No. : 3

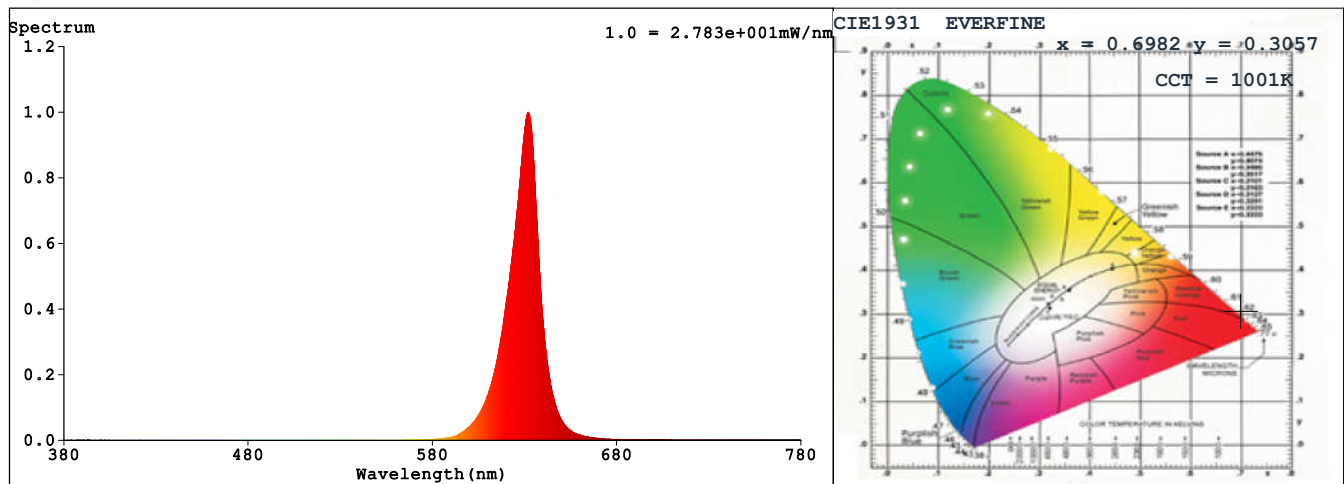
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 57657 (88%)
T : 167 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6982$ $y = 0.3057$ / $u' = 0.5298$ $v' = 0.5218$ ($duv = -8.13e-02$)

CCT= 1001K Prcp WL: Ld=621.2nm Purity=100.0%

Peak WL: Lp=632nm FWHM: =16.4nm Ratio:R=96.5% G=3.5% B=0.0%

Render Index: Ra = 26.2 CRI = 29.9 TM30:Rf=0 Rg=0

EEL: 0.22313 A

R1=6 R2=78 R3=30 R4=0 R5=1 R6=90 R7=5
R8=0 R9=0 R10=72 R11=0 R12=79 R13=30 R14=59 R15=0
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 111.03 lm Eff.: 33.82 lm/W Fe = 564.09 mW

Electrical parameters

V = 24.00 V I = 0.1368 A P = 3.283 W PF = 1.000 F=0.00 Hz

 EVERFINE

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Sample No. : 4

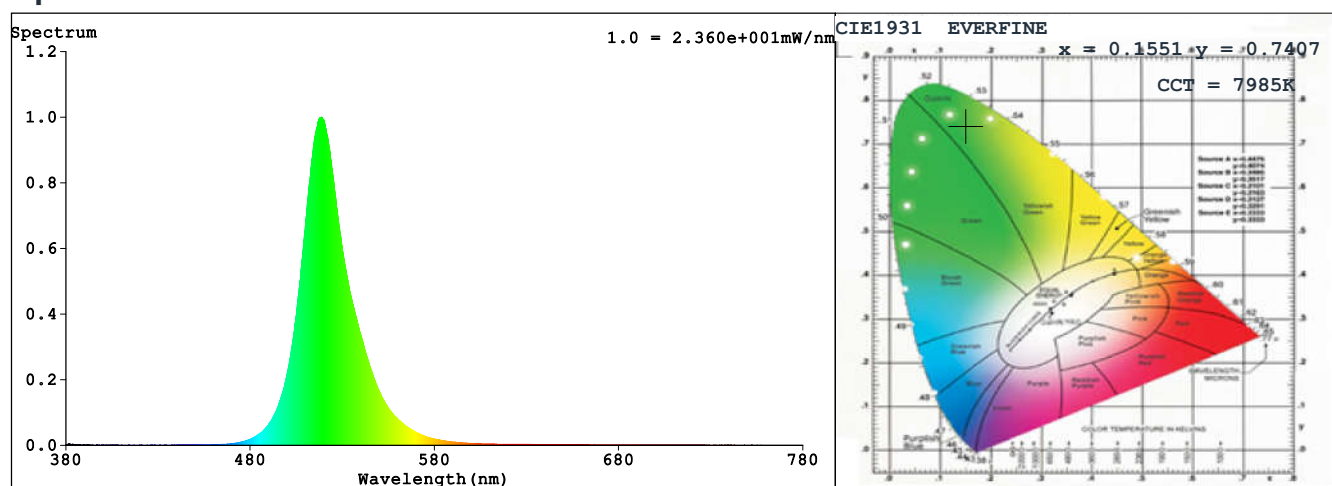
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

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

RH : 60.0%
IP : 53470 (82%)
T : 199 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1551$ $y = 0.7407$ / $u' = 0.0536$ $v' = 0.5758$ ($duv=1.64e-01$)

CCT= 7985K Prcp WL: $\lambda_d=525.5\text{nm}$ Purity=83.0%

Peak WL: $\lambda_p=519\text{nm}$ FWHM: $\approx 26.0\text{nm}$ Ratio: R=0.3% G=98.0% B=1.7%

Render Index: $R_a = 0.0$ CRI = 2.2 TM30: $R_f=1$ $R_g=6$

EEL: 0.09392 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=33 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 367.14 lm Eff.: 112.16 lm/W $\Phi_e = 766.13\text{ mW}$

Electrical parameters

V = 24.00 V I = 0.1364 A P = 3.273 W PF = 1.000 F=0.00 Hz

