



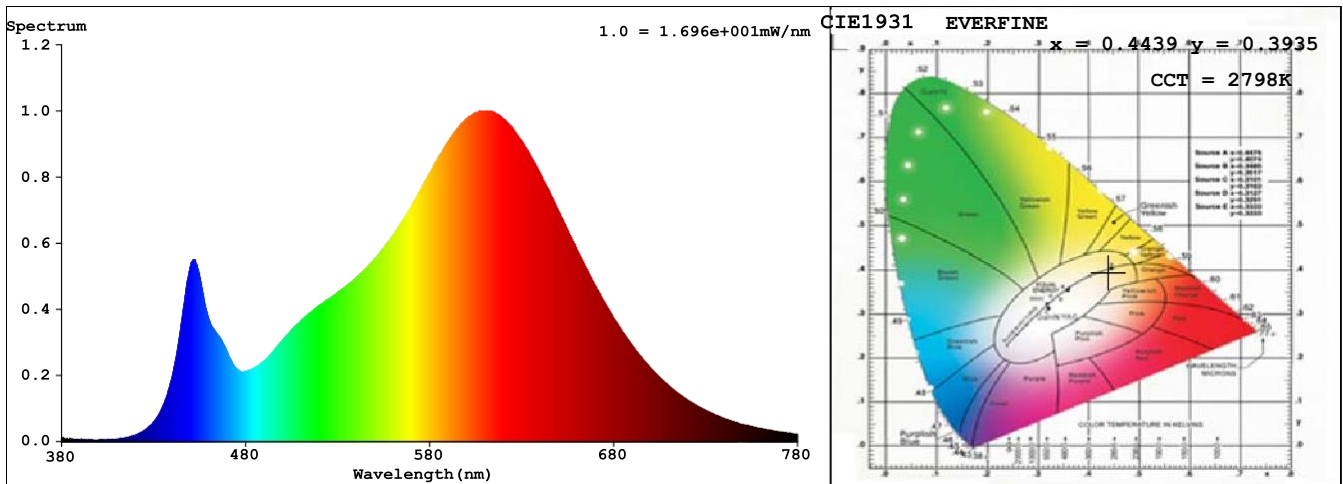
Spectrum Test Report

Sample : E24N550TW Date : 2019-02-19 09:40:25
 Specification : 3527 120LED 10MM 24V 17.3W BW IP20 CRI80 1M
 Sample No. : LD19040302#37 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark : ---

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 52448 (80%)
 Test Mode : Fast Test T : 191 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4439$ $y = 0.3935$ / $u' = 0.2598$ $v' = 0.5182$ ($duv = -5.06e-03$)

CCT= 2798K Prcp WL: $L_d = 585.6$ nm Purity=51.4%

Peak WL: $L_p = 607$ nm FWHM: =126.2nm Ratio:R=25.2% G=72.0% B=2.8%

Render Index: $R_a = 86.6$ CRI = 83.4 AvgR = 83.3 TM30:Rf=84 Rg=100

R1 =87 R2 =96 R3 =94 R4 =84 R5 =88 R6 =95 R7 =83

R8 =66 R9 =29 R10=91 R11=85 R12=83 R13=90 R14=98 R15=81

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 790.82 lm Eff. : 81.61 lm/W Fe = 2.6153 W

Flux of emitted photons($\mu\text{mol/s}$):12.848 Flu. and blue light ratio:9.129 Fluorescent eff.:243.3

Electrical parameters

V = 24.00 V I = 0.4038 A P = 9.690 W PF = 1.000 F=0.00 Hz



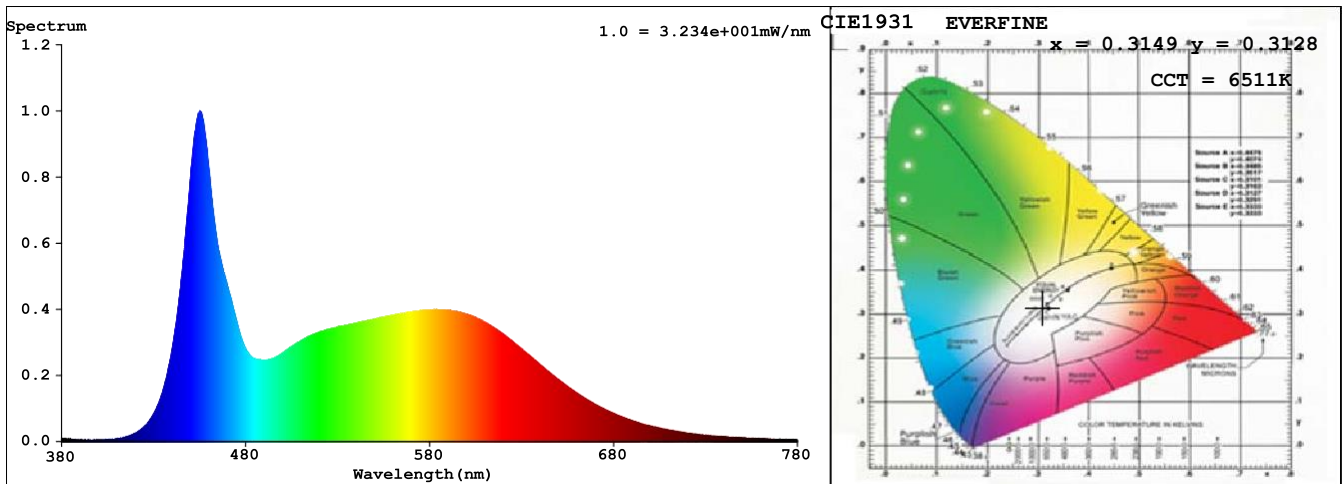
Spectrum Test Report

Sample : E24N550TW Date : 2018-10-19 09:41:19
 Specification : 3527 120LED 10MM 24V 17.3W BW IP20 CRI80 1M
 Sample No. : LD19040302#37 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark :

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 55193 (84%)
 Test Mode : Fast Test T : 191 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3149$ $y = 0.3128$ / $u' = 0.2057$ $v' = 0.4597$ ($duv = -6.54e-03$)

CCT= 6511K Prcp WL: $L_d = 474.7\text{nm}$ Purity=8.3%

Peak WL: $L_p = 455\text{nm}$ FWHM: $=23.4\text{nm}$ Ratio: R=15.4% G=77.9% B=6.7%

Render Index: $R_a = 89.3$ CRI = 85.5 AvgR = 85.9 TM30: $R_f = 83$ $R_g = 97$

R1 =91 R2 =96 R3 =95 R4 =87 R5 =89 R6 =88 R7 =88

R8 =79 R9 =48 R10=90 R11=87 R12=64 R13=94 R14=98 R15=92

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 838.70 lm Eff. : 88.12 lm/W $F_e = 2.8763$ W

Flux of emitted photons($\mu\text{mol/s}$):12.997 Flu. and blue light ratio:2.098 Fluorescent eff.:204.7

Electrical parameters

$V = 24.00$ V $I = 0.3966$ A $P = 9.518$ W PF = 1.000 F=0.00 Hz