



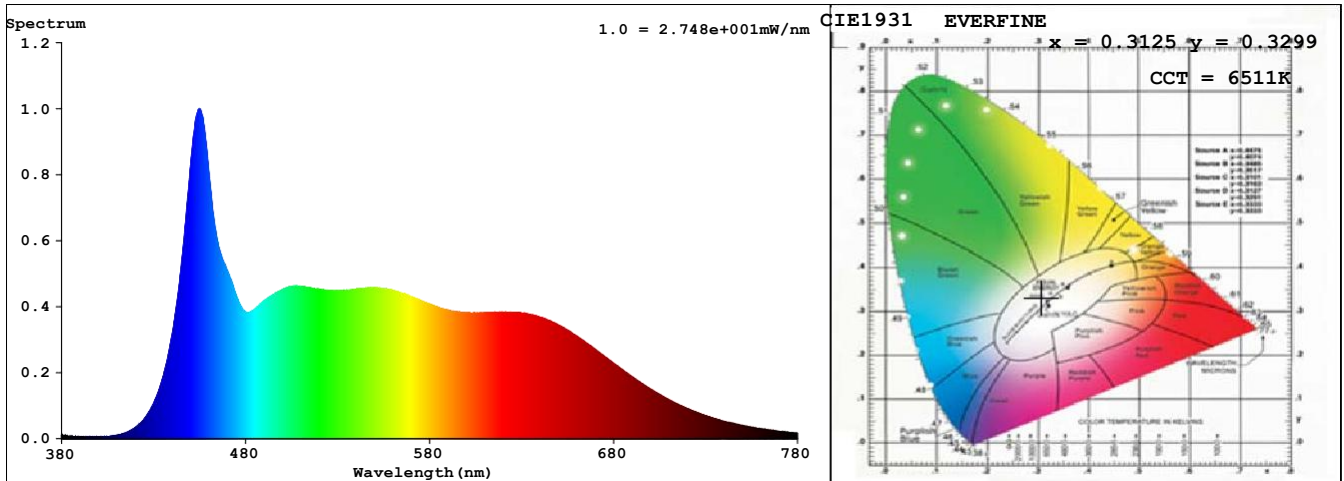
Spectrum Test Report

Sample : **E24N150W65** Date : 2018-11-26 17:25:30
 Specification : 2835 120LED 8mm 24V 9.6W 6500K CRI90 1M
 Sample No. : LD18111903#06 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD120-RL2835-6500K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 52443 (80%)
 Test Mode : Fast Test T : 218 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3125$ $y = 0.3299$ / $u' = 0.1973$ $v' = 0.4688$ ($duv=3.78e-03$)

CCT= 6511K Prcp WL: $L_d=489.6\text{nm}$ Purity=7.3%

Peak WL: $L_p=455\text{nm}$ FWHM: $=26.1\text{nm}$ Ratio:R=15.4% G=77.3% B=7.3%

Render Index: $R_a = 95.9$ CRI = 94.8 AvgR = 94.7 TM30:Rf=92 Rg=99

R1 =97 R2 =99 R3 =98 R4 =93 R5 =95 R6 =96 R7 =94

R8 =94 R9 =94 R10=99 R11=96 R12=72 R13=99 R14=99 R15=95

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 856.68 lm Eff. : 90.37 lm/W $F_e = 3.1928$ W

Flux of emitted photons($\mu\text{mol/s}$):14.791 Fluo. and blue light ratio:3.031 Fluorescent eff.:253.4

Electrical parameters

V = 24.00 V I = 0.3950 A P = 9.479 W PF = 1.000 F=0.00 Hz