



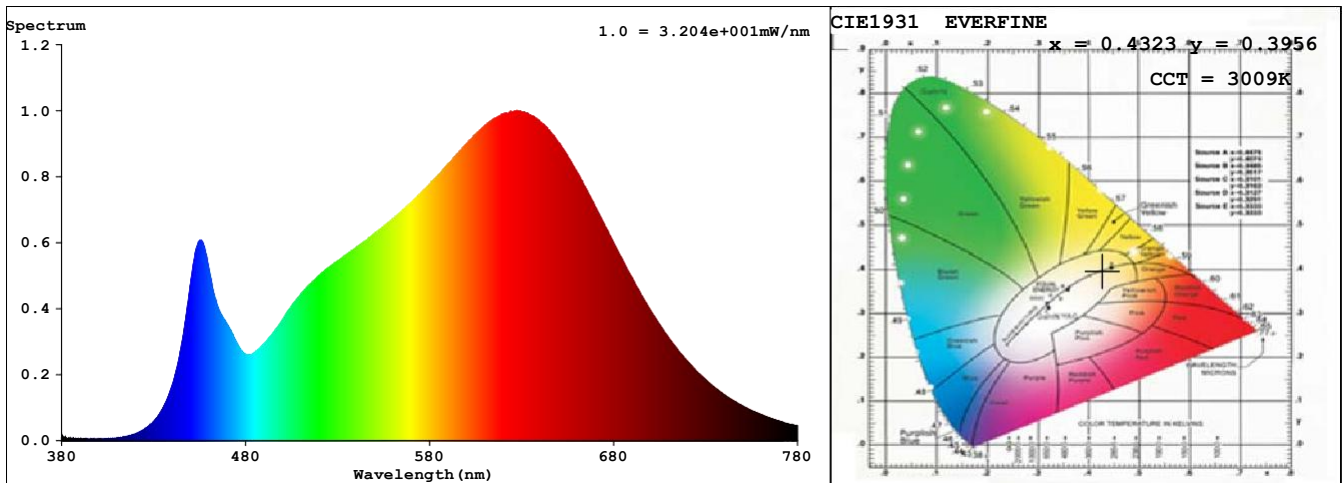
Spectrum Test Report

Sample : **E24N170W30** Date : 2018-11-26 17:22:02
 Specification : 2835 240LED 10mm 24V 19.2W 3000K CRI90 1M
 Sample No. : LD18111903#03 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD240-RL2835-3000K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 57610 (88%)
 Test Mode : Fast Test T : 119 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4323$ $y = 0.3956$ / $u' = 0.2512$ $v' = 0.5173$ ($duv = -2.77e-03$)

CCT= 3009K Prcp WL: $L_d = 583.8\text{nm}$ Purity=48.5%

Peak WL: $L_p = 628\text{nm}$ FWHM: =169.5nm Ratio:R=24.6% G=72.2% B=3.2%

Render Index: $R_a = 95.2$ CRI = 93.4 AvgR = 93.4 TM30:Rf=92 Rg=101

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

R8 =88 R9 =74 R10=97 R11=95 R12=82 R13=98 R14=99 R15=94

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1583.0 lm Eff. : 84.19 lm/W $F_e = 5.7928\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):28.825 Fluo. and blue light ratio:9.101 Fluorescent eff.:277.6

Electrical parameters

V = 24.00 V I = 0.7835 A P = 18.80 W PF = 1.000 F=0.00 Hz