



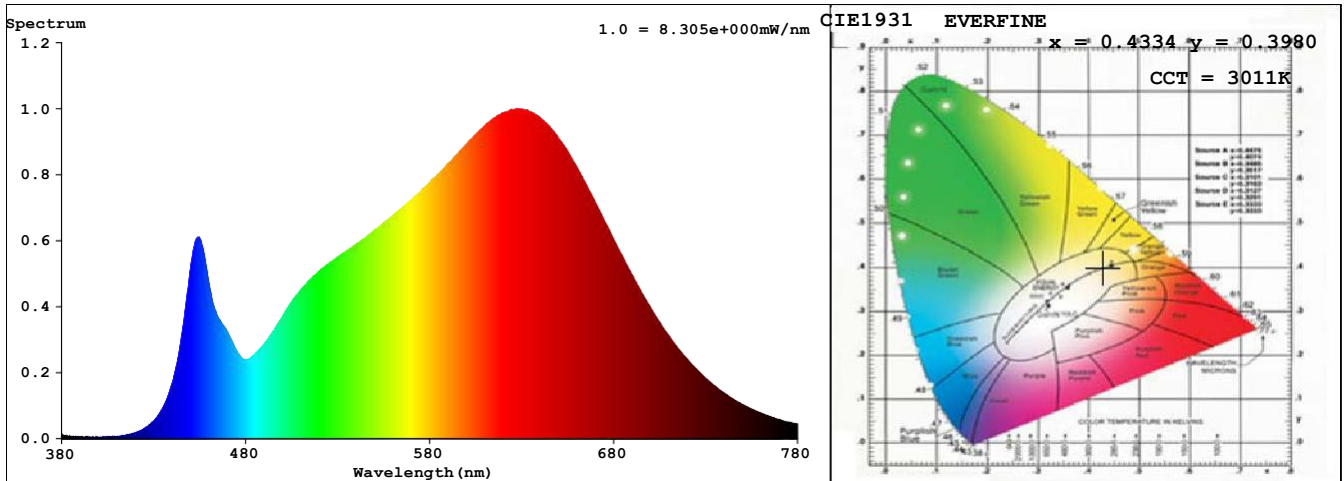
Spectrum Test Report

Sample : **E24N130W30** Date : 2018-11-26 18:34:04
 Specification : 2835 60LED 8mm 24V 4.8W 3000K CRI90 1M
 Sample No. : LD18111903#23 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD60-RL2835-3000K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 53459 (82%)
 Test Mode : Fast Test T : 428 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4334$ $y = 0.3980$ / $u' = 0.2509$ $v' = 0.5184$ ($duv = -1.95e-03$)

CCT= 3011K Prcp WL: $L_d = 583.5\text{nm}$ Purity=49.5%

Peak WL: $L_p = 628\text{nm}$ FWHM: =170.9nm Ratio:R=24.5% G=72.4% B=3.1%

Render Index: Ra = 95.3 CRI = 93.3 AvgR = 93.3 TM30:Rf=92 Rg=101

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

R8 =88 R9 =75 R10=95 R11=96 R12=82 R13=97 R14=99 R15=94

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 410.71 lm Eff. : 89.42 lm/W Fe = 1.4978 W

Flux of emitted photons($\mu\text{mol/s}$):7.4587 Fluo. and blue light ratio:9.815 Fluorescent eff.:296.0

Electrical parameters

V = 24.00 V I = 0.1914 A P = 4.593 W PF = 1.000 F=0.00 Hz