



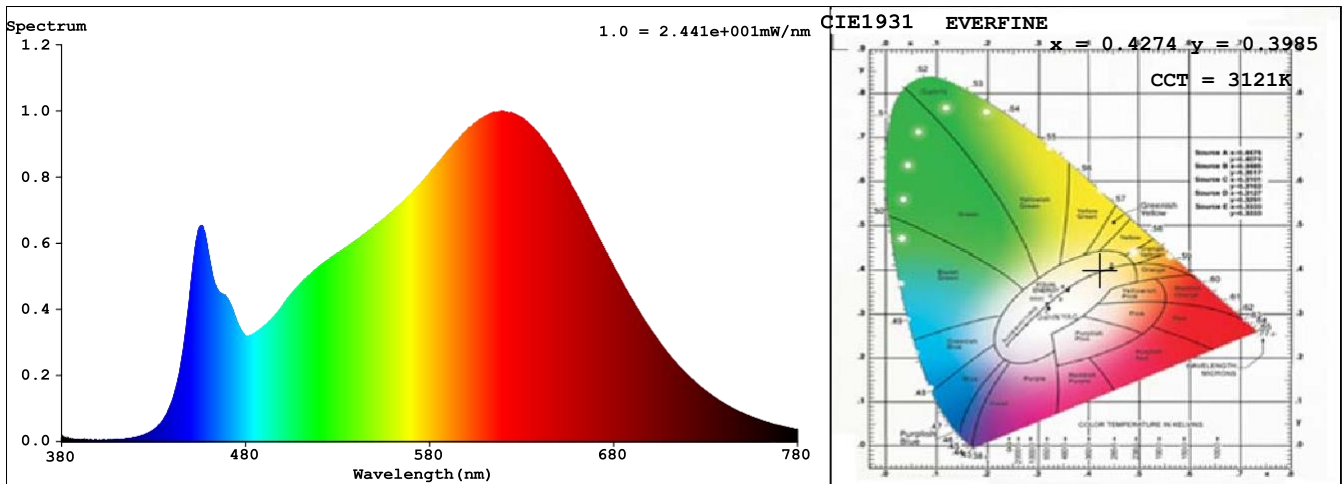
Spectrum Test Report

Sample : E24N230W30 Date : 2019-02-14 09:38:49
 Specification : 5050 60LED 10MM 24V 14.4W 3500K IP20 CRI90 1M
 Sample No. : LD19040302#08 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark :

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 55245 (84%)
 Test Mode : Fast Test T : 146 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4274$ $y = 0.3985$ / $u' = 0.2468$ $v' = 0.5177$ ($duv = -8.52e-04$)

CCT= 3121K Prcp WL: $L_d = 582.6\text{nm}$ Purity=47.9%

Peak WL: $L_p = 619\text{nm}$ FWHM: =168.8nm Ratio:R=23.8% G=72.7% B=3.5%

Render Index: $R_a = 93.6$ CRI = 91.4 AvgR = 91.4 TM30:Rf=90 Rg=98

R1 =95 R2 =99 R3 =97 R4 =92 R5 =94 R6 =96 R7 =91

R8 =83 R9 =65 R10=98 R11=94 R12=79 R13=97 R14=99 R15=91

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1251.6 lm Eff. : 88.73 lm/W Fe = 4.3843 W

Flux of emitted photons($\mu\text{mol/s}$):21.635 Flu. and blue light ratio:8.687 Fluorescent eff.:278.8

Electrical parameters

V = 24.00 V I = 0.5878 A P = 14.11 W PF = 1.000 F=0.00 Hz