

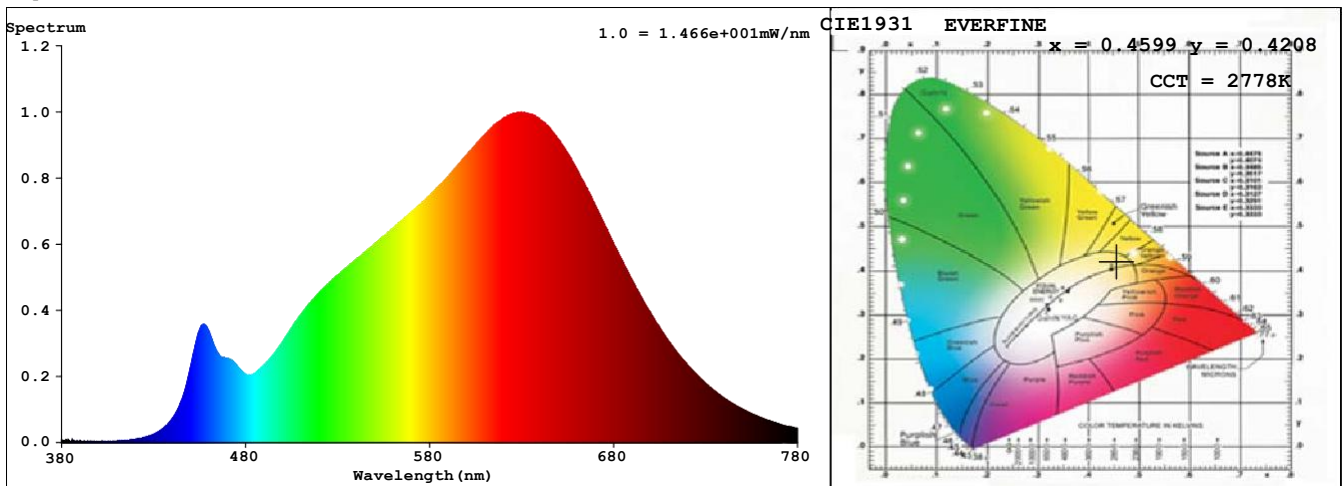
Spectrum Test Report

Sample : **E12W131W27** Date : 2019-01-17 16:33:45
 Specification : 2835 60LED 6mm Zigzag 12V 7.2W 2700K CRI90 IP20 1M
 Sample No. : LD18111903B#30 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD60-RZ2835-2700K-12-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 54865 (84%)
 Test Mode : Fast Test T : 270 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4599$ $y = 0.4208$ / $u' = 0.2580$ $v' = 0.5312$ ($duv=3.74e-03$)

CCT= 2778K Prcp WL: $L_d=582.7\text{nm}$ Purity=64.4%

Peak WL: $L_p=630\text{nm}$ FWHM: $=160.4\text{nm}$ Ratio:R=25.6% G=72.0% B=2.5%

Render Index: $R_a = 93.2$ CRI = 90.2 AvgR = 90.2 TM30:Rf=90 Rg=96

R1 =93 R2 =96 R3 =97 R4 =93 R5 =92 R6 =95 R7 =94

R8 =86 R9 =67 R10=89 R11=93 R12=77 R13=94 R14=98 R15=90

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 689.47 lm Eff. : 98.50 lm/W Fe = 2.4740 W

Flux of emitted photons($\mu\text{mol/s}$):12.469 Flu. and blue light ratio:14.78 Fluorescent eff.:331.1

Electrical parameters

V = 12.00 V I = 0.5834 A P = 7.000 W PF = 1.000 F=0.00 Hz