

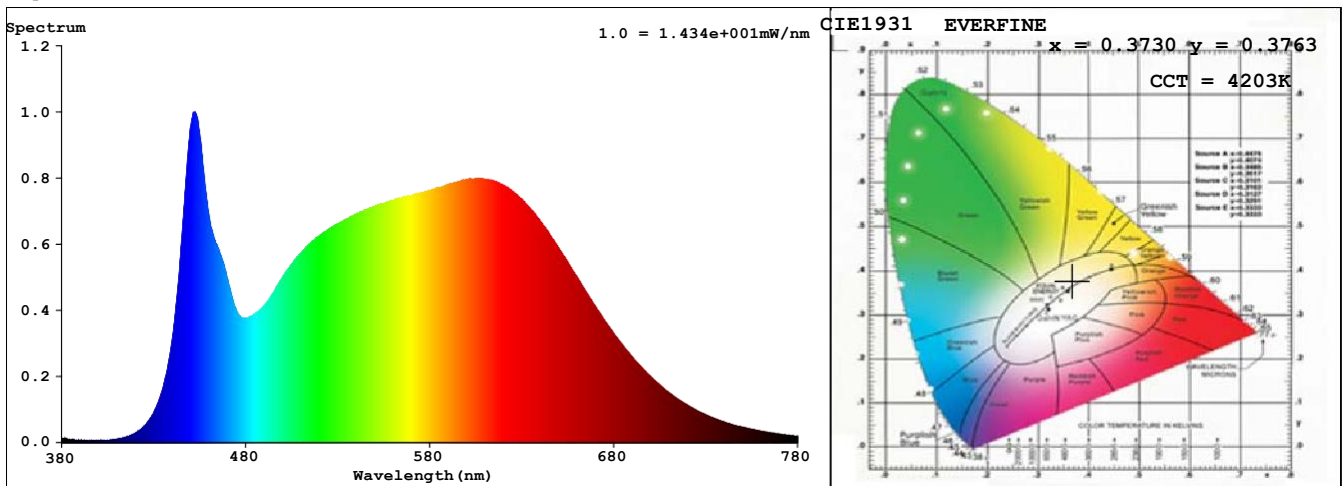
Spectrum Test Report

Sample : **E12W131W40** Date : 2019-01-17 16:32:27
 Specification : 2835 60LED 6mm Zigzag 12V 7.2W 4500K CRI90 IP20 1M
 Sample No. : LD18111903B#28 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD60-RZ2835-4000K-12-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 45989 (70%)
 Test Mode : Fast Test T : 270 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3730$ $y = 0.3763$ / $u' = 0.2204$ $v' = 0.5003$ ($duv=2.02e-03$)

CCT= 4203K Prcp WL: $L_d=577.1\text{nm}$ Purity=24.9%

Peak WL: $L_p=453\text{nm}$ FWHM: $=26.1\text{nm}$ Ratio:R=18.8% G=76.7% B=4.5%

Render Index: $R_a = 91.2$ CRI = 87.2 AvgR = 87.2 TM30:Rf=89 Rg=97

R1 =91 R2 =95 R3 =97 R4 =90 R5 =90 R6 =92 R7 =93

R8 =82 R9 =55 R10=87 R11=90 R12=68 R13=92 R14=98 R15=88

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 726.15 lm Eff. : 105.11 lm/W Fe = 2.3956 W

Flux of emitted photons($\mu\text{mol/s}$):11.378 Flu. and blue light ratio:5.075 Fluorescent eff.:289.8

Electrical parameters

V = 12.00 V I = 0.5758 A P = 6.908 W PF = 1.000 F=0.00 Hz