



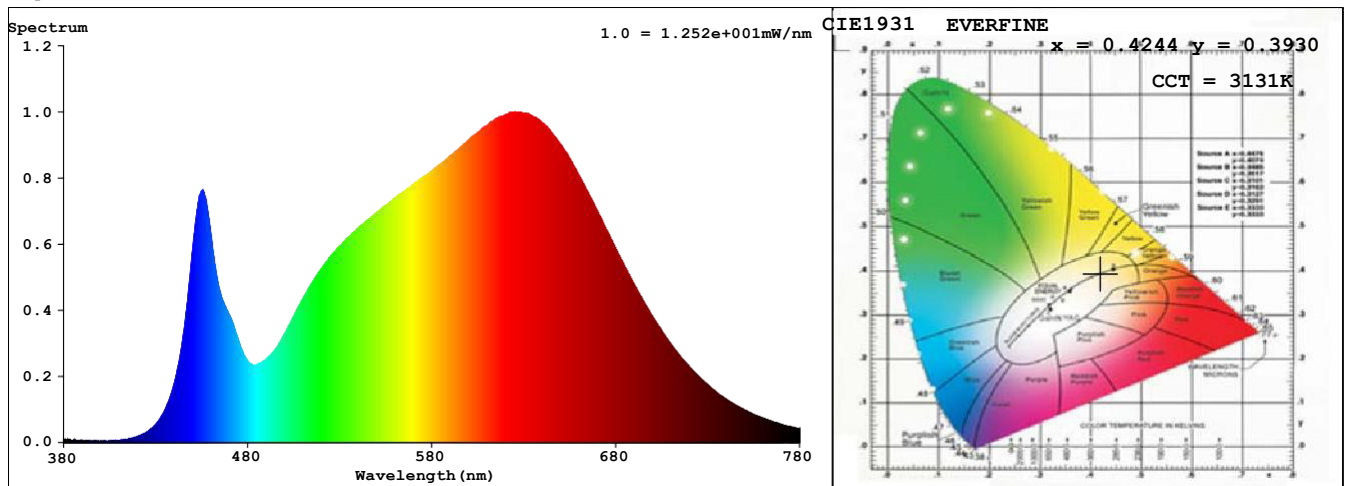
Spectrum Test Report

Sample	: E12W131W30	Date	: 2019-01-17 16:25:51
Specification	: 2835 60LED 6mm Zigzag 12V 7.2W 3000K CRI90 IP20 1M		
Sample No.	: LD18111903B#29	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	: LD60-RZ2835-3000K-12-IP20		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47776 (73%)
Test Mode	: Fast Test	T	: 270 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4244$ $y = 0.3930$ / $u' = 0.2472$ $v' = 0.5151$ ($duv = -2.66e-03$)

CCT= 3131K Prcp WL: $L_d = 583.3\text{nm}$ Purity=45.3%

Peak WL: $L_p = 626\text{nm}$ FWHM: $= 170.9\text{nm}$ Ratio: R=23.5% G=73.5% B=3.0%

Render Index: $R_a = 92.7$ CRI = 89.5 AvgR = 89.7 TM30: $R_f = 89$ $R_g = 101$

R1 =93 R2 =96 R3 =96 R4 =91 R5 =92 R6 =93 R7 =93

R8 =86 R9 =69 R10=88 R11=90 R12=73 R13=94 R14=97 R15=92

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 650.04 lm Eff. : 96.20 lm/W Fe = 2.3216 W

Flux of emitted photons($\mu\text{mol/s}$):11.497 Fluo. and blue light ratio:7.965 Fluorescent eff.:305.3

Electrical parameters

V = 12.00 V I = 0.5632 A P = 6.757 W PF = 1.000 F=0.00 Hz