

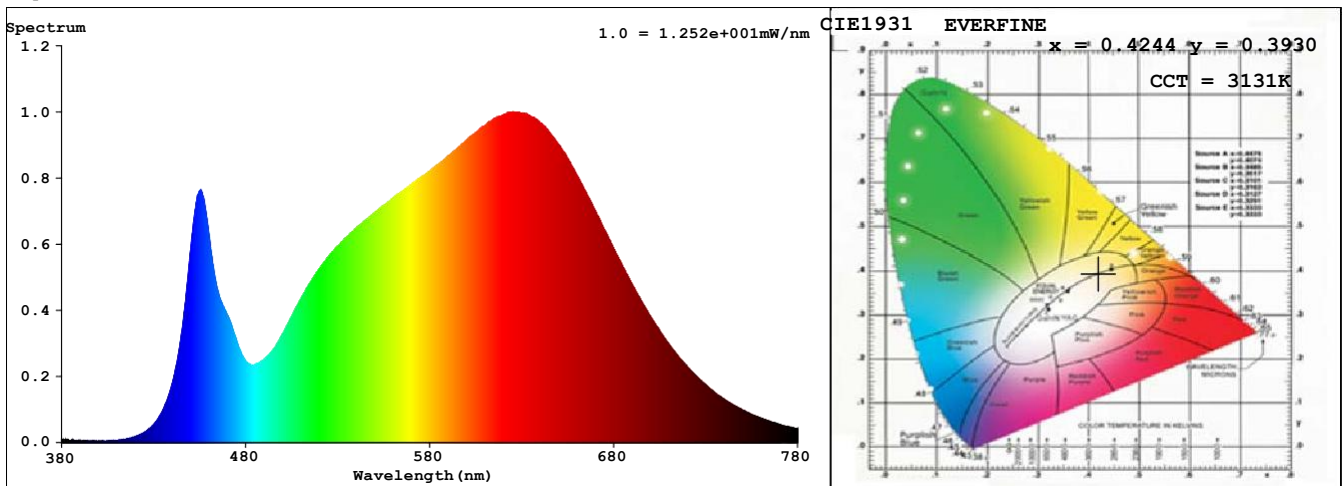
## Spectrum Test Report

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 Flu. 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