



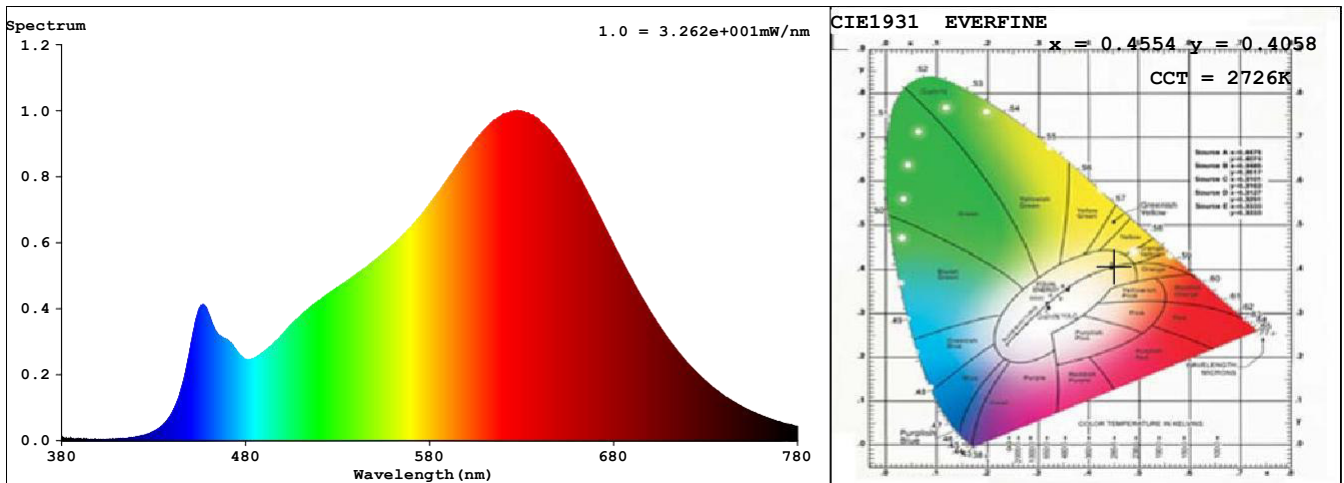
## Spectrum Test Report

Sample : **E24N170W27** Date : 2018-11-26 17:23:00  
 Specification : 2835 240LED 10mm 24V 19.2W 2700K CRI90 1M  
 Sample No. : LD18111903#04 Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : **Velleman**  
 Assessor :  
 Remark : LD240-RL2835-2700K-24-IP20

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 58362 (89%)  
 Test Mode : Fast Test T : 119 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4554$   $y = 0.4058$  /  $u' = 0.2617$   $v' = 0.5248$  ( $duv = -1.40e-03$ )

CCT= 2726K Prcp WL:  $L_d = 584.5\text{nm}$  Purity=58.5%

Peak WL:  $L_p = 628\text{nm}$  FWHM: =149.6nm Ratio:R=26.7% G=70.4% B=2.9%

Render Index:  $R_a = 94.7$  CRI = 93.5 AvgR = 93.5 TM30:Rf=91 Rg=99

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

R8 =86 R9 =72 R10=100 R11=97 R12=85 R13=98 R14=99 R15=93

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 1475.0 lm Eff. : 77.86 lm/W  $F_e = 5.4693$  W

Flux of emitted photons( $\mu\text{mol/s}$ ):27.507 Fluo. and blue light ratio:12.48 Fluorescent eff.:267.3

### Electrical parameters

V = 24.00 V I = 0.7894 A P = 18.94 W PF = 1.000 F=0.00 Hz