



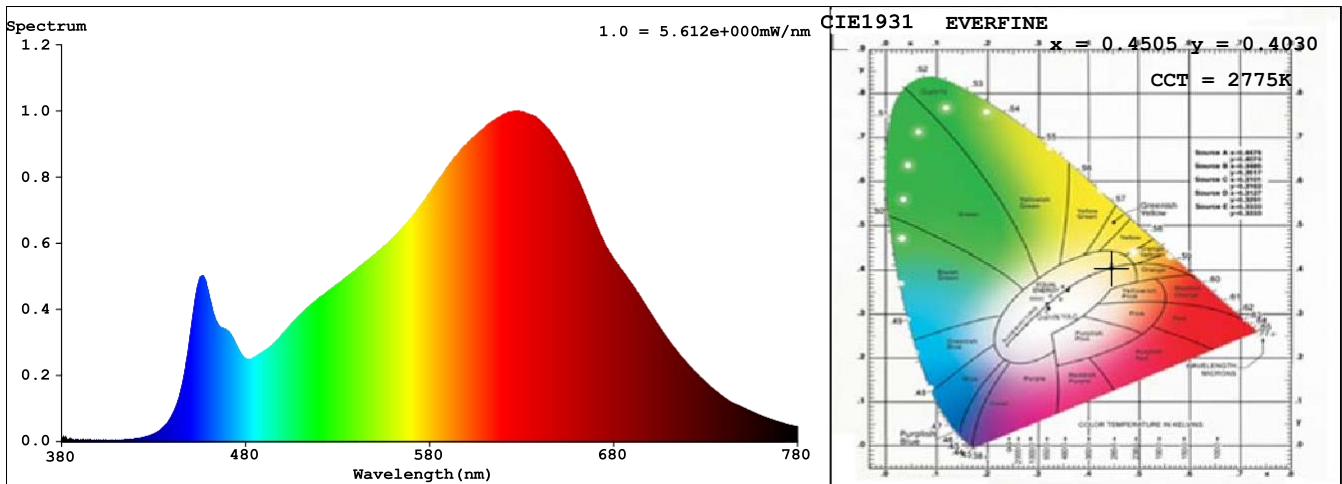
## Spectrum Test Report

Sample : E24F153W27 Date : 2019-05-13 14:57:01  
 Specification : 2835 120LED 0612NEON 24V 10W 2700K IP67 CRI90 1M:  
 Sample No. : LD19040302#38 Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : Velleman  
 Assessor :  
 Remark :

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 52644 (80%)  
 Test Mode : Fast Test T : 695 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4505$   $y = 0.4030$  /  $u' = 0.2599$   $v' = 0.5230$  ( $duv = -2.02e-03$ )

CCT= 2775K Prcp WL:  $L_d = 584.5\text{nm}$  Purity=56.2%

Peak WL:  $L_p = 628\text{nm}$  FWHM: =151.3nm Ratio:R=26.1% G=70.9% B=3.0%

Render Index:  $R_a = 93.6$  CRI = 92.0 AvgR = 91.9 TM30:Rf=90 Rg=99

R1 =95 R2 =99 R3 =96 R4 =93 R5 =95 R6 =96 R7 =90

R8 =83 R9 =67 R10=99 R11=94 R12=82 R13=97 R14=99 R15=92

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 260.82 lm Eff. : 25.17 lm/W  $F_e = 953.63$  mW

Flux of emitted photons( $\mu\text{mol/s}$ ):4.7805 Flu. and blue light ratio:11.15 Fluorescent eff.:84.47

### Electrical parameters

V = 24.00 V I = 0.4318 A P = 10.36 W PF = 1.000 F=0.00 Hz