



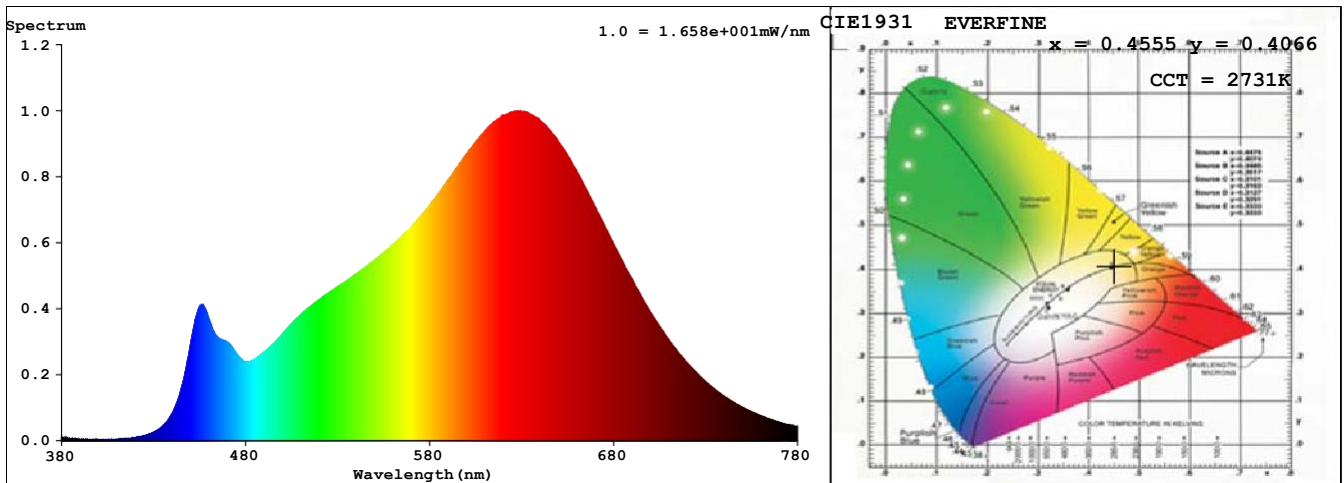
## Spectrum Test Report

Sample : **E24N150W27** Date : 2018-11-26 17:28:11  
 Specification : 2835 120LED 8mm 24V 9.6W 2700K CRI90 1M  
 Sample No. : LD18111903#09 Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : **Velleman**  
 Assessor :  
 Remark : LD120-RL2835-2700K-24-IP20

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 54125 (83%)  
 Test Mode : Fast Test T : 218 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4555$   $y = 0.4066$  /  $u' = 0.2614$   $v' = 0.5252$  ( $duv = -1.10e-03$ )

CCT= 2731K Prcp WL:  $L_d = 584.4\text{nm}$  Purity=58.8%

Peak WL:  $L_p = 630\text{nm}$  FWHM: =150.4nm Ratio:R=26.6% G=70.4% B=2.9%

Render Index:  $R_a = 95.0$  CRI = 93.8 AvgR = 93.7 TM30:Rf=92 Rg=99

R1 =97 R2 =99 R3 =97 R4 =95 R5 =97 R6 =96 R7 =92

R8 =86 R9 =73 R10=100 R11=97 R12=85 R13=98 R14=99 R15=93

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 749.33 lm Eff. : 80.33 lm/W  $F_e = 2.7769$  W

Flux of emitted photons( $\mu\text{mol/s}$ ):13.968 Fluo. and blue light ratio:12.34 Fluorescent eff.:275.4

### Electrical parameters

V = 24.00 V I = 0.3887 A P = 9.328 W PF = 1.000 F=0.00 Hz