



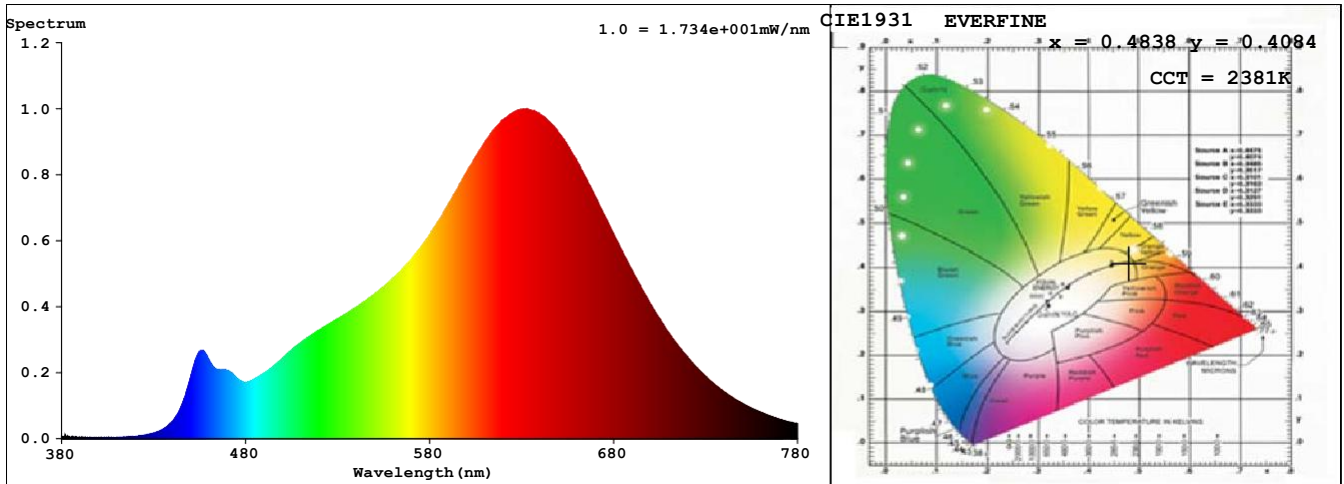
## Spectrum Test Report

Sample : **E24N150W24** Date : 2018-11-26 17:29:17  
 Specification : 2835 120LED 8mm 24V 9.6W 2400K CRI90 1M  
 Sample No. : LD18111903#10 Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : **Velleman**  
 Assessor :  
 Remark : LD120-RL2835-2400K-24-IP20

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 55464 (85%)  
 Test Mode : Fast Test T : 218 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4838$   $y = 0.4084$  /  $u' = 0.2792$   $v' = 0.5301$  ( $duv = -2.08e-03$ )

CCT= 2381K Prcp WL:  $L_d = 586.7\text{nm}$  Purity=67.8%

Peak WL:  $L_p = 633\text{nm}$  FWHM: =127.9nm Ratio:R=30.1% G=67.5% B=2.4%

Render Index: Ra = 94.7 CRI = 93.6 AvgR = 93.6 TM30:Rf=92 Rg=100

R1 =98 R2 =98 R3 =96 R4 =97 R5 =99 R6 =93 R7 =91

R8 =85 R9 =73 R10=97 R11=99 R12=86 R13=99 R14=99 R15=94

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 676.92 lm Eff. : 72.59 lm/W Fe = 2.6589 W

Flux of emitted photons( $\mu\text{mol/s}$ ):13.584 Fluo. and blue light ratio:18.36 Fluorescent eff.:270.4

### Electrical parameters

V = 24.00 V I = 0.3886 A P = 9.326 W PF = 1.000 F=0.00 Hz