



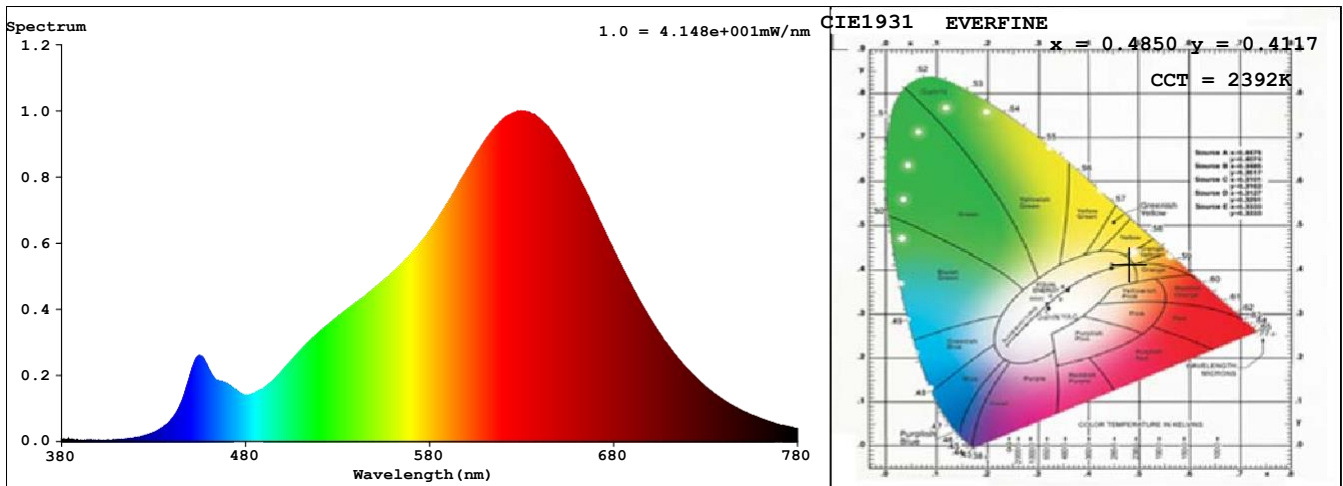
## Spectrum Test Report

Sample : E24N490W24 Date : 2019-12-30 14:48:57  
 Specification : 2110 700LED 10mm 24V 18W 2400K CRI90 1M  
 Sample No. : Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : Velleman  
 Assessor :  
 Remark : LD700-R2110-2400K-24-IP20

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 52767 (81%)  
 Test Mode : Fast Test T : 98 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4850$   $y = 0.4117$  /  $u' = 0.2783$   $v' = 0.5316$  ( $duv = -9.79e-04$ )

CCT= 2392K Prcp WL:  $L_d = 586.3\text{nm}$  Purity=69.2%

Peak WL:  $L_p = 628\text{nm}$  FWHM:  $=129.4\text{nm}$  Ratio: R=29.6% G=68.4% B=2.0%

Render Index:  $R_a = 94.2$  CRI = 92.3 AvgR = 92.2 TM30:  $R_f = 91$   $R_g = 100$

R1 =95 R2 =98 R3 =99 R4 =94 R5 =95 R6 =97 R7 =91

R8 =83 R9 =65 R10=95 R11=96 R12=88 R13=96 R14=99 R15=91

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 1652.9 lm Eff. : 89.77 lm/W Fe = 6.2458 W

### Electrical parameters

V = 24.00 V I = 0.7673 A P = 18.41 W PF = 1.000 F=0.00 Hz