



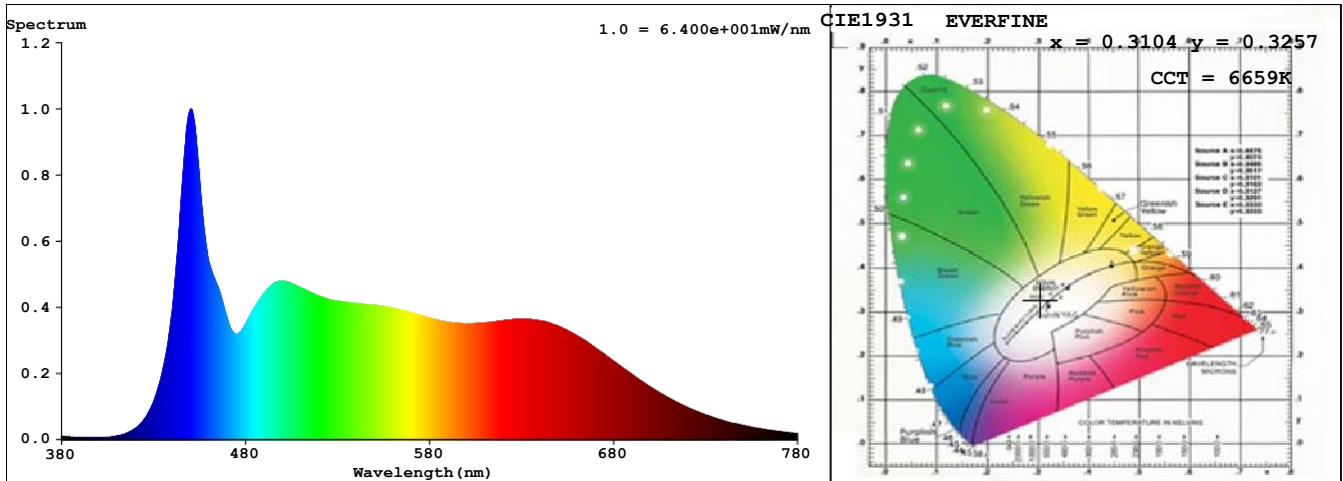
## Spectrum Test Report

Sample : E24N490W65 Date : 2019-12-30 14:53:25  
 Specification : 2110 700LED 10mm 24V 18W 6500K CRI90 1M  
 Sample No. : Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : Velleman  
 Assessor :  
 Remark : LD700-R2110-6500K-24-IP20

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 56776 (87%)  
 Test Mode : Fast Test T : 130 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3104$   $y = 0.3257$  /  $u' = 0.1975$   $v' = 0.4662$  ( $duv=2.67e-03$ )

CCT= 6659K Prcp WL:  $L_d=487.3nm$  Purity=8.3%

Peak WL:  $L_p=450nm$  FWHM:  $=20.1nm$  Ratio:R=15.7% G=76.8% B=7.5%

Render Index:  $R_a = 97.7$  CRI = 95.6 AvgR = 95.5 TM30:Rf=95 Rg=101

R1 =97 R2 =98 R3 =100 R4 =98 R5 =98 R6 =97 R7 =98

R8 =96 R9 =89 R10=96 R11=96 R12=79 R13=97 R14=99 R15=95

LEVEL:OUT WHITE:ANSI\_6500K

### Photometric & Radiometric Parameters

Flux = 1842.5 lm Eff. : 103.89 lm/W Fe = 7.0987 W

### Electrical parameters

V = 24.00 V I = 0.7390 A P = 17.73 W PF = 1.000 F=0.00 Hz