



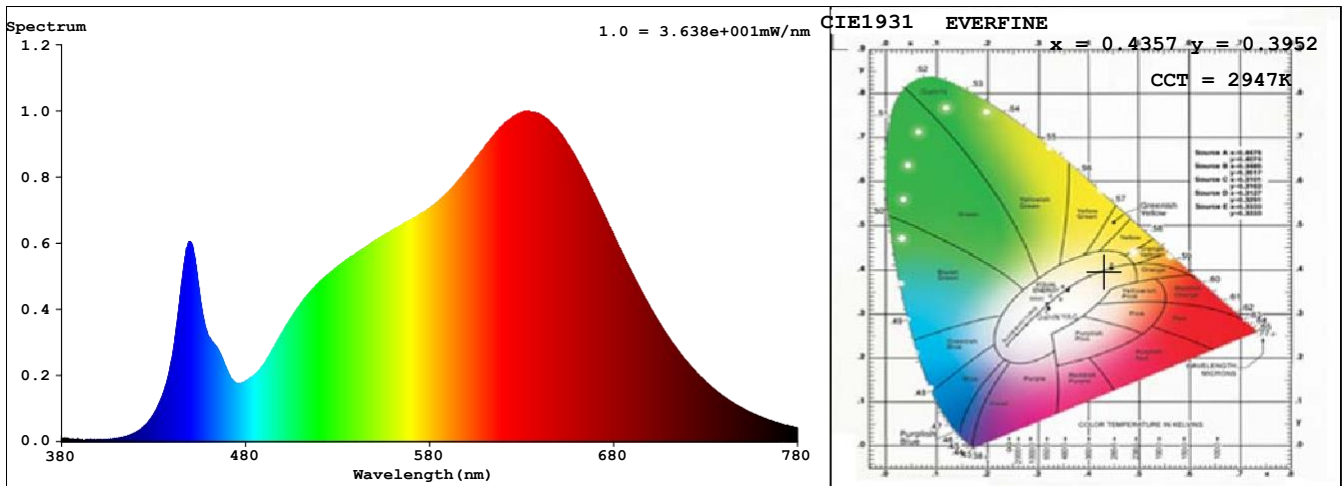
Spectrum Test Report

Sample : E24N490W30 Date : 2019-12-30 14:51:56
 Specification : 2110 700LED 10mm 24V 18W 3000K CRI90 1M
 Sample No. : Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark : LD700-R2110-3000K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 45639 (70%)
 Test Mode : Fast Test T : 98 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4357$ $y = 0.3952$ / $u' = 0.2536$ $v' = 0.5176$ ($duv = -3.42e-03$)

CCT= 2947K Prcp WL: $L_d = 584.3\text{nm}$ Purity=49.4%

Peak WL: $L_p = 634\text{nm}$ FWHM: $=167.0\text{nm}$ Ratio: R=25.3% G=72.0% B=2.7%

Render Index: Ra = 96.1 CRI = 94.4 AvgR = 94.7 TM30:Rf=91 Rg=105

R1 =99 R2 =97 R3 =94 R4 =95 R5 =98 R6 =96 R7 =96

R8 =94 R9 =87 R10=93 R11=95 R12=85 R13=98 R14=96 R15=98

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1693.4 lm Eff. : 95.81 lm/W Fe = 6.3475 W

Electrical parameters

V = 24.00 V I = 0.7365 A P = 17.67 W PF = 1.000 F=0.00 Hz