



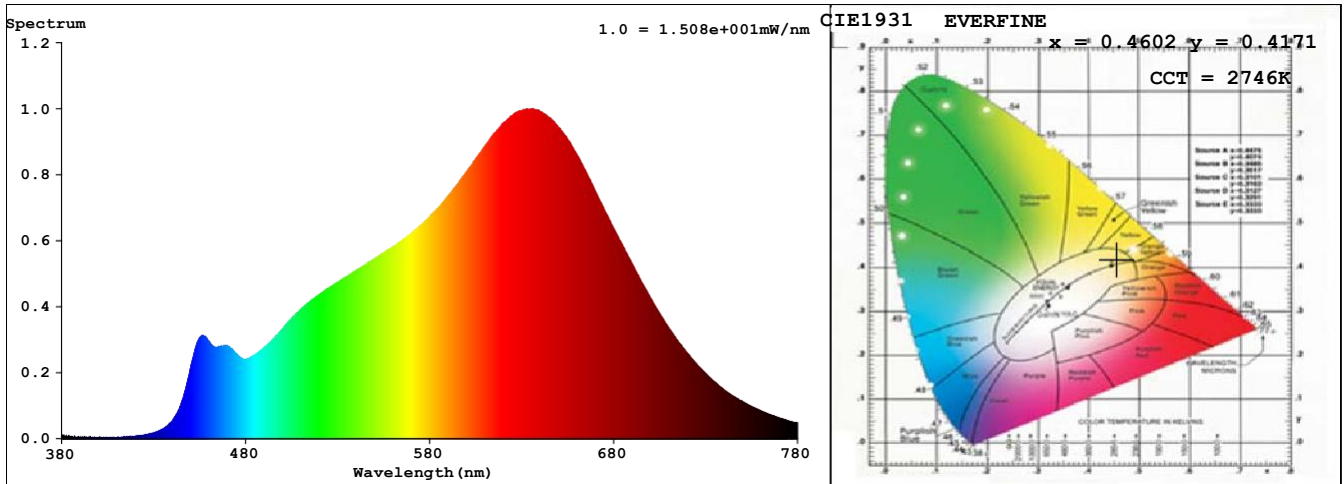
Spectrum Test Report

Sample : **E24W150W27** Date : 2018-11-26 17:33:38
 Specification : 2835 120LED 8mm 24V 9.6W 2700K CRI90 IP68 1M
 Sample No. : LD18111903#14 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD120-RL2835-2700K-24-IP68

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 52535 (80%)
 Test Mode : Fast Test T : 239 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4602$ $y = 0.4171$ / $u' = 0.2598$ $v' = 0.5299$ ($duv=2.38e-03$)

CCT= 2746K Prcp WL: $L_d=583.2nm$ Purity=63.4%

Peak WL: $L_p=636nm$ FWHM: =155.1nm Ratio:R=26.6% G=70.5% B=2.9%

Render Index: $R_a = 96.9$ CRI = 95.7 AvgR = 95.7 TM30:Rf=90 Rg=97

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

R8 =93 R9 =85 R10=98 R11=97 R12=86 R13=99 R14=99 R15=96

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 664.06 lm Eff. : 73.34 lm/W $F_e = 2.5130 W$

Flux of emitted photons($\mu mol/s$):12.721 Fluo. and blue light ratio:15.79 Fluorescent eff.:261.1

Electrical parameters

V = 24.00 V I = 0.3773 A P = 9.054 W PF = 1.000 F=0.00 Hz