



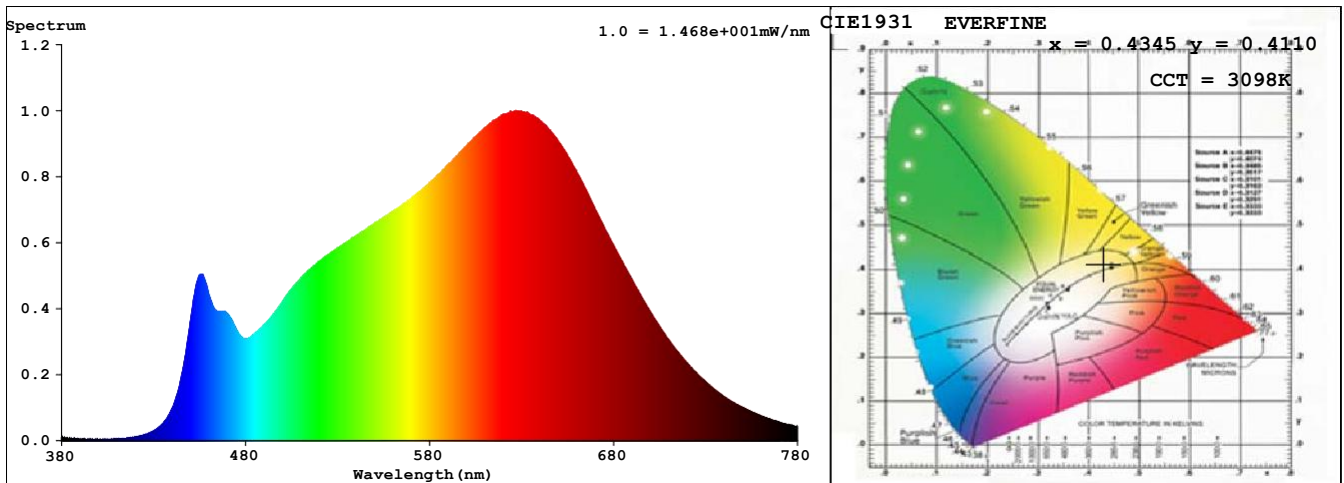
Spectrum Test Report

Sample : **E24W150W30** Date : 2018-11-26 17:32:47
 Specification : 2835 120LED 8mm 24V 9.6W 3000K CRI90 IP68 1M
 Sample No. : LD18111903#13 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD120-RL2835-3000K-24-IP68

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 52778 (81%)
 Test Mode : Fast Test T : 239 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4345$ $y = 0.4110$ / $u' = 0.2461$ $v' = 0.5237$ ($duv=3.09e-03$)

CCT= 3098K Prcp WL: $L_d=581.3\text{nm}$ Purity=53.8%

Peak WL: $L_p=627\text{nm}$ FWHM: $=177.4\text{nm}$ Ratio:R=23.8% G=72.8% B=3.3%

Render Index: $R_a = 95.5$ CRI = 93.3 AvgR = 93.3 TM30:Rf=90 Rg=96

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

R8 =89 R9 =75 R10=96 R11=96 R12=80 R13=97 R14=99 R15=93

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 746.77 lm Eff. : 81.10 lm/W $F_e = 2.6641 \text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):13.258 Fluo. and blue light ratio:10.98 Fluorescent eff.:265.2

Electrical parameters

$V = 24.00 \text{ V}$ $I = 0.3837 \text{ A}$ $P = 9.208 \text{ W}$ PF = 1.000 F=0.00 Hz