



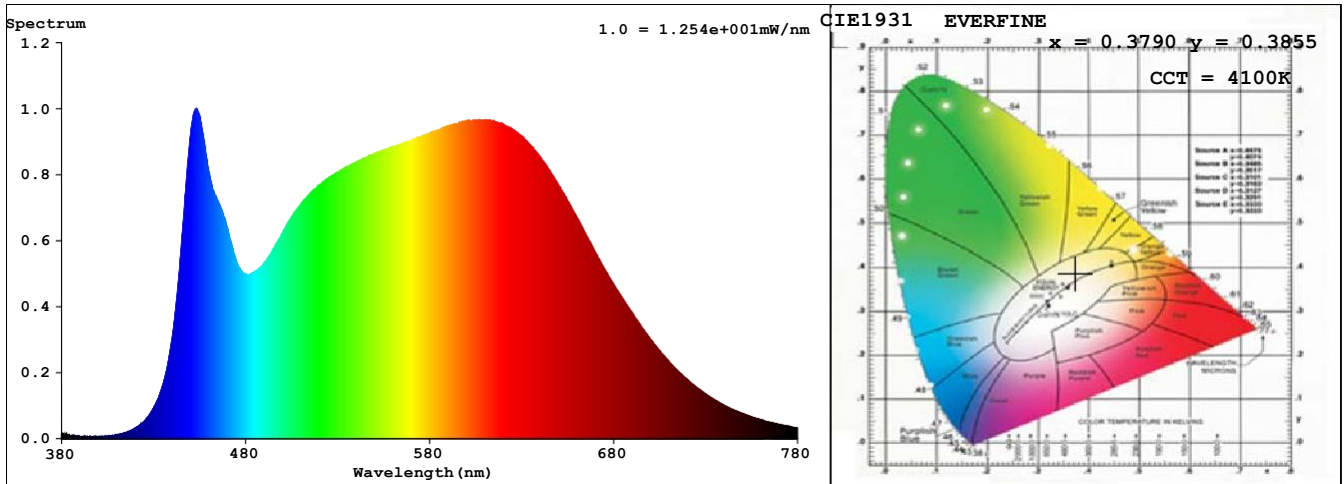
Spectrum Test Report

Sample : **E24W150W40** Date : 2018-11-26 17:31:52
 Specification : 2835 120LED 8mm 24V 9.6W 4000K CRI90 IP68 1M
 Sample No. : LD18111903#12 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD120-RL2835-4000K-24-IP68

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 53058 (81%)
 Test Mode : Fast Test T : 273 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3790$ $y = 0.3855$ / $u' = 0.2207$ $v' = 0.5052$ ($duv=4.46e-03$)

CCT= 4100K Prcp WL: $L_d=576.4nm$ Purity=29.4%

Peak WL: $L_p=453nm$ FWHM: $=35.8nm$ Ratio:R=19.0% G=76.5% B=4.5%

Render Index: $R_a = 92.1$ CRI = 88.4 AvgR = 88.4 TM30:Rf=89 Rg=96

R1 =92 R2 =96 R3 =99 R4 =90 R5 =90 R6 =94 R7 =93

R8 =83 R9 =60 R10=90 R11=90 R12=70 R13=93 R14=99 R15=88

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 775.16 lm Eff. : 85.23 lm/W $F_e = 2.6028 W$

Flux of emitted photons($\mu mol/s$):12.474 Fluo. and blue light ratio:5.566 Fluorescent eff.:242.7

Electrical parameters

V = 24.00 V I = 0.3790 A P = 9.095 W PF = 1.000 F=0.00 Hz