



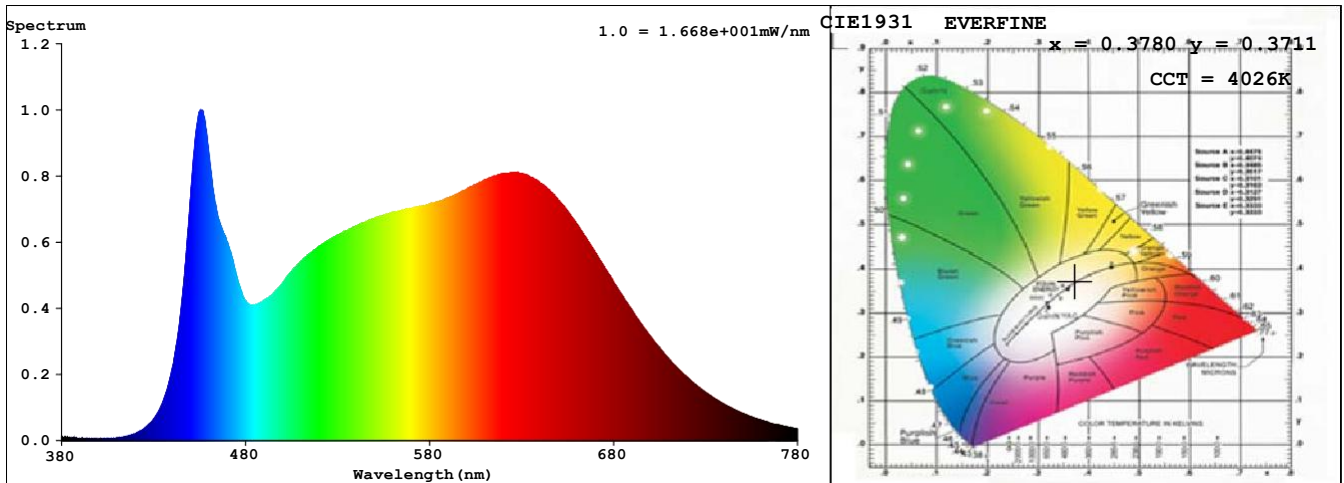
Spectrum Test Report

Sample : **E24N150W40** Date : 2018-11-26 17:26:29
 Specification : 2835 120LED 8mm 24V 9.6W 4000K CRI90 1M
 Sample No. : LD18111903#07 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD120-RL2835-4000K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 45212 (69%)
 Test Mode : Fast Test T : 218 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3780$ $y = 0.3711$ / $u' = 0.2258$ $v' = 0.4987$ ($duv = -1.95e-03$)

CCT= 4026K Prcp WL: $L_d = 580.1\text{nm}$ Purity=24.8%

Peak WL: $L_p = 456\text{nm}$ FWHM: $= 28.2\text{nm}$ Ratio: R=20.4% G=74.8% B=4.9%

Render Index: $R_a = 95.9$ CRI = 94.5 AvgR = 94.6 TM30:Rf=91 Rg=99

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

R8 =93 R9 =90 R10=99 R11=96 R12=73 R13=99 R14=100 R15=96

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 815.96 lm Eff. : 87.52 lm/W $F_e = 2.9549\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):14.279 Fluo. and blue light ratio:5.217 Fluorescent eff.:266.0

Electrical parameters

V = 24.00 V I = 0.3885 A P = 9.323 W PF = 1.000 F=0.00 Hz