



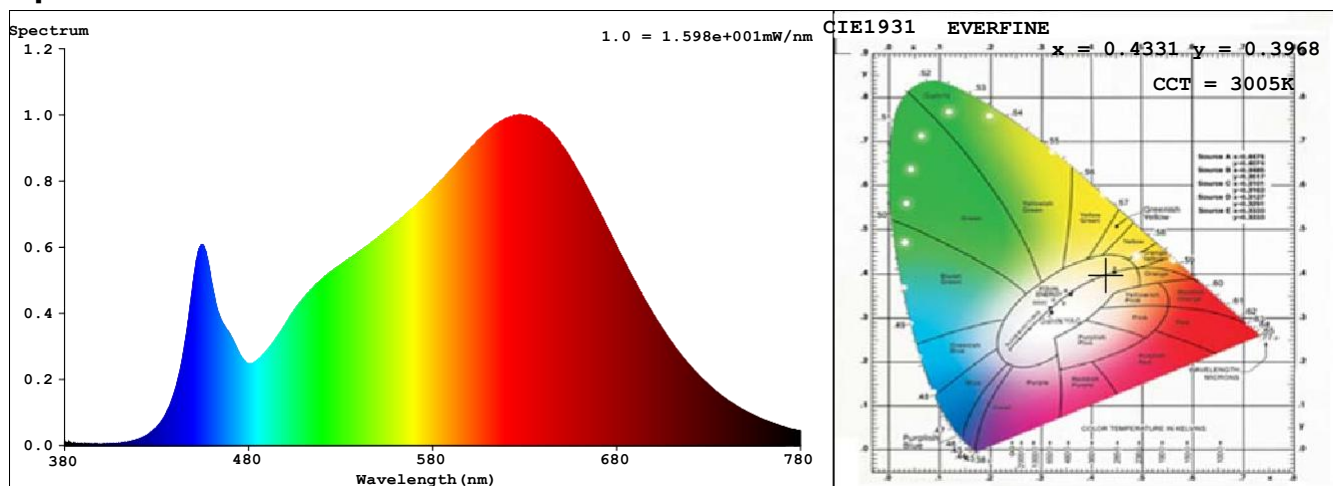
Spectrum Test Report

Sample	: E24N150W30	Date	: 2018-11-26 17:27:23
Specification	: 2835 120LED 8mm 24V 9.6W 3000K CRI90 1M		
Sample No.	: LD18111903#08	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	: LD120-RL2835-3000K-24-IP20		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52545 (80%)
Test Mode	: Fast Test	T	: 218 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4331$ $y = 0.3968$ / $u' = 0.2512$ $v' = 0.5179$ ($duv = -2.40e-03$)

CCT= 3005K Prcp WL: $L_d = 583.7\text{nm}$ Purity=49.1%

Peak WL: $L_p = 627\text{nm}$ FWHM: $= 170.1\text{nm}$ Ratio: R=24.6% G=72.3% B=3.1%

Render Index: $R_a = 95.3$ CRI = 93.4 AvgR = 93.4 TM30: $R_f = 92$ $R_g = 101$

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

R8 =88 R9 =75 R10=96 R11=96 R12=82 R13=97 R14=99 R15=94

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 789.26 lm Eff. : 85.60 lm/W $F_e = 2.8853\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):14.365 Fluo. and blue light ratio:9.491 Fluorescent eff.:283.2

Electrical parameters

V = 24.00 V I = 0.3842 A P = 9.220 W PF = 1.000 F=0.00 Hz

EVERFINE CORPORATION

<http://www.everfine.cn>