



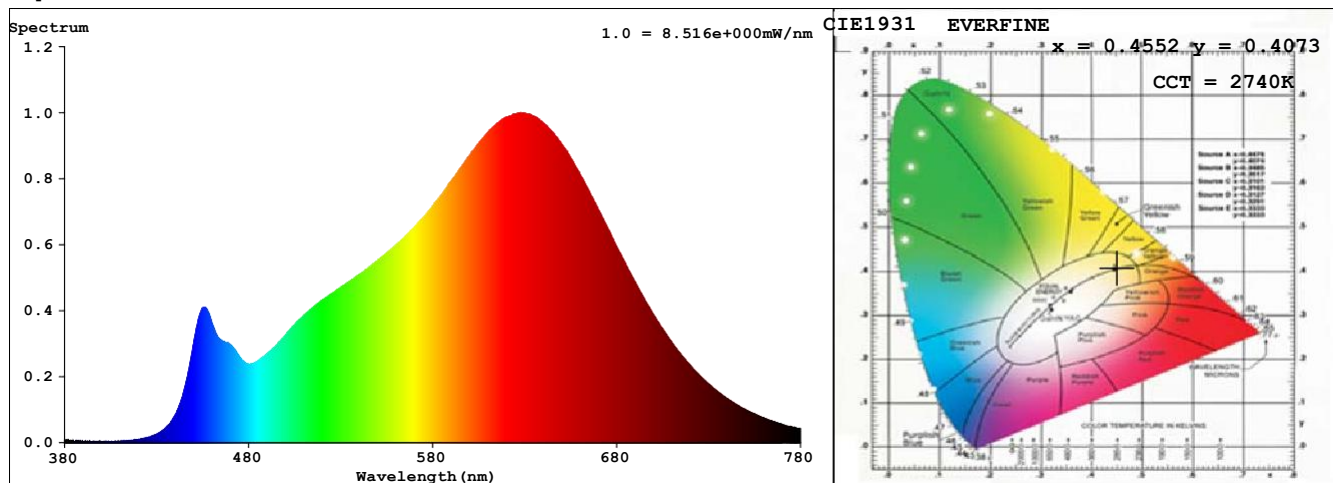
Spectrum Test Report

Sample	: E24N130W27	Date	: 2018-11-26 18:34:44
Specification	: 2835 60LED 8mm 24V 4.8W 2700K CRI90 1M		
Sample No.	: LD18111903#23	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	: LD60-RL2835-2700K-24-IP20		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 54660 (83%)
Test Mode	: Fast Test	T	: 428 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4552$ $y = 0.4073$ / $u' = 0.2610$ $v' = 0.5254$ ($duv = -8.39e-04$)

CCT= 2740K Prcp WL: $L_d = 584.3\text{nm}$ Purity=58.9%

Peak WL: $L_p = 628\text{nm}$ FWHM: $= 150.7\text{nm}$ Ratio: R=26.5% G=70.6% B=2.9%

Render Index: $R_a = 95.1$ CRI = 93.7 AvgR = 93.7 TM30: $R_f = 92$ $R_g = 99$

R1 =97 R2 =100 R3 =98 R4 =95 R5 =97 R6 =96 R7 =92

R8 =86 R9 =72 R10=99 R11=97 R12=85 R13=98 R14=100 R15=93

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 386.52 lm Eff. : 82.13 lm/W $F_e = 1.4277\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$): 7.1794 Fluo. and blue light ratio: 12.79 Fluorescent eff.: 281.4

Electrical parameters

V = 24.00 V I = 0.1961 A P = 4.706 W PF = 1.000 F=0.00 Hz

EVERFINE CORPORATION

<http://www.everfine.cn>