



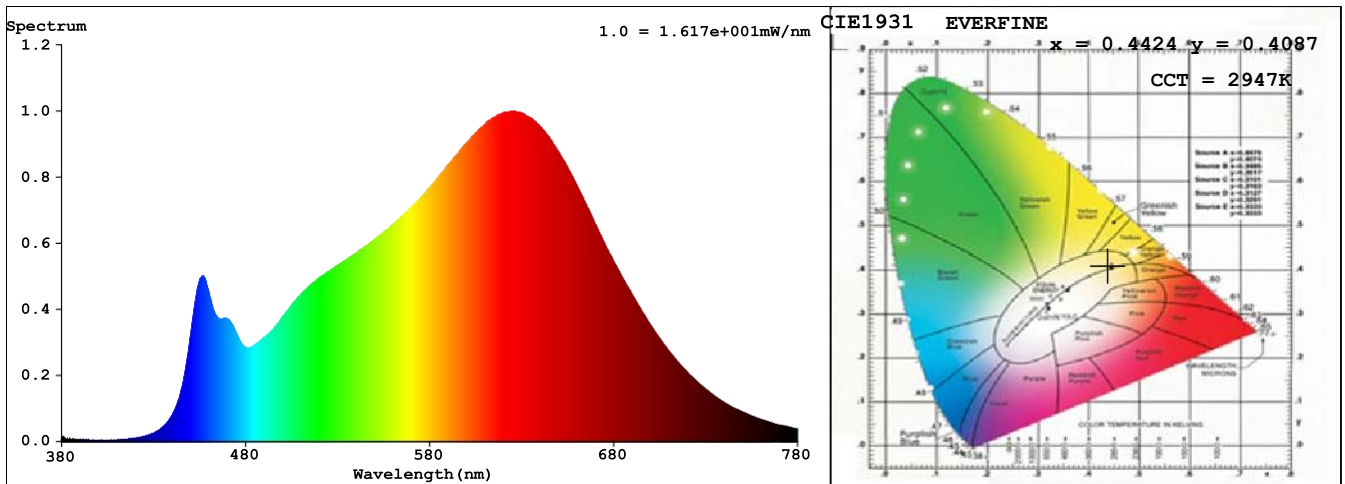
Spectrum Test Report

Sample	: E12W150W30	Date	: 2019-04-17 17:12:37
Specification	: 2835 120LED 8MM 12V 9.6W 3000K IP68 CRI90 1M		
Sample No.	: LD19040302#28	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 59286 (90%)
Test Mode	: Fast Test	T	: 269 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4424$ $y = 0.4087$ / $u' = 0.2521$ $v' = 0.5240$ ($duv=1.11e-03$)

CCT= 2947K Prcp WL: $L_d=582.7nm$ Purity=55.5%

Peak WL: $L_p=626nm$ FWHM: $=162.7nm$ Ratio:R=24.8% G=72.0% B=3.2%

Render Index: $R_a = 94.4$ CRI = 92.5 AvgR = 92.4 TM30:Rf=90 Rg=97

R1 =96 R2 =99 R3 =98 R4 =93 R5 =95 R6 =97 R7 =92

R8 =85 R9 =69 R10=97 R11=95 R12=81 R13=97 R14=99 R15=92

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 788.95 lm Eff. : 86.89 lm/W Fe = 2.7929 W

Flux of emitted photons($\mu mol/s$):13.907 Flu. and blue light ratio:10.81 Fluorescent eff.:281.6

Electrical parameters

V = 12.00 V I = 0.7568 A P = 9.080 W PF = 1.000 F=0.00 Hz