



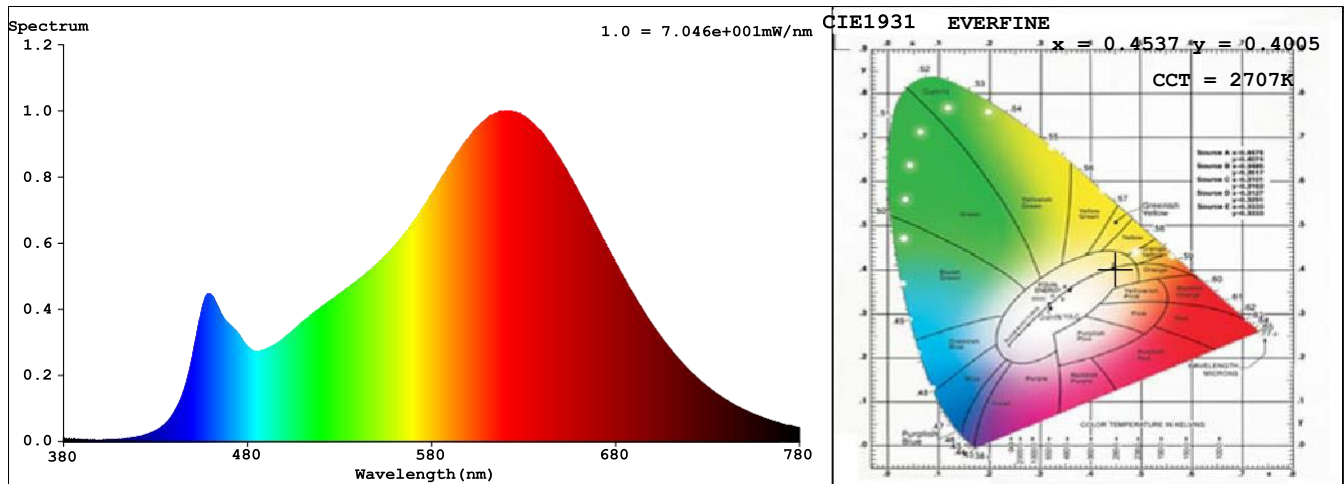
Spectrum Test Report

Sample	: E24N175W27	Date	: 2019-04-17 16:44:43
Specification	: 2835 240LED 12MM 24V 38.4W 2700K IP20 CRI90 1M		
Sample No.	: LD19040302#04	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48814 (74%)
Test Mode	: Fast Test	T	: 50 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4537$ $y = 0.4005$ / $u' = 0.2631$ $v' = 0.5225$ ($duv = -3.28e-03$)

CCT= 2707K Prcp WL: $L_d = 585.3\text{nm}$ Purity=56.4%

Peak WL: $L_p = 621\text{nm}$ FWHM: $=141.1\text{nm}$ Ratio: R=26.7% G=70.2% B=3.1%

Render Index: $R_a = 91.5$ CRI = 90.0 AvgR = 90.0 TM30: $R_f = 89$ $R_g = 99$

R1 =95 R2 =98 R3 =93 R4 =91 R5 =95 R6 =94 R7 =87

R8 =79 R9 =60 R10=98 R11=93 R12=83 R13=97 R14=97 R15=90

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 3210.3 lm Eff. : 78.38 lm/W $\Phi_e = 11.669\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):58.396 Fluo. and blue light ratio:9.804 Fluorescent eff.:258.6

Electrical parameters

V = 24.00 V I = 1.707 A P = 40.96 W PF = 1.000 F=0.00 Hz