



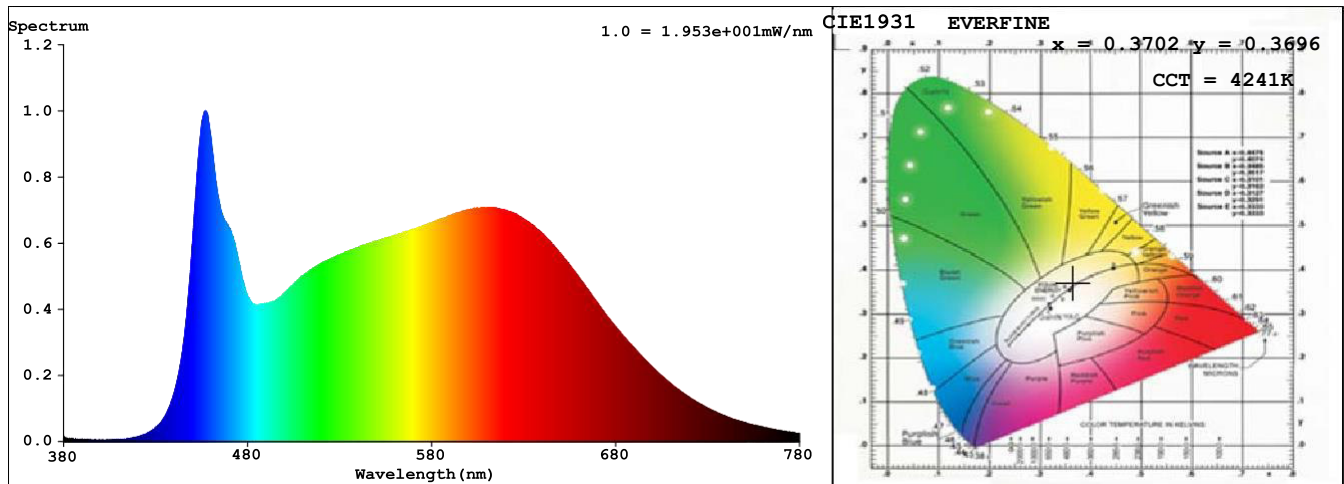
Spectrum Test Report

Sample	: E12W150W40	Date	: 2019-04-17 17:11:19
Specification	: 2835 120LED 8MM 12V 9.6W 4000K IP68 CRI90 1M		
Sample No.	: LD19040302#27	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53046 (81%)
Test Mode	: Fast Test	T	: 269 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3702$ $y = 0.3696$ / $u' = 0.2212$ $v' = 0.4968$ ($duv = -2.79e-04$)

CCT= 4241K Prcp WL: $L_d = 578.3\text{nm}$ Purity=22.0%

Peak WL: $L_p = 457\text{nm}$ FWHM: $= 28.0\text{nm}$ Ratio: R=19.4% G=75.3% B=5.3%

Render Index: $R_a = 92.6$ CRI = 90.7 AvgR = 90.8 TM30: $R_f = 87$ $R_g = 96$

R1 =96 R2 =98 R3 =96 R4 =89 R5 =93 R6 =95 R7 =89

R8 =86 R9 =74 R10=99 R11=91 R12=69 R13=99 R14=98 R15=93

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 867.99 lm Eff. : 95.30 lm/W Fe = 3.0188 W

Flux of emitted photons($\mu\text{mol/s}$):14.419 Fluo. and blue light ratio:4.447 Fluorescent eff.:270.7

Electrical parameters

V = 12.00 V I = 0.7591 A P = 9.108 W PF = 1.000 F=0.00 Hz