



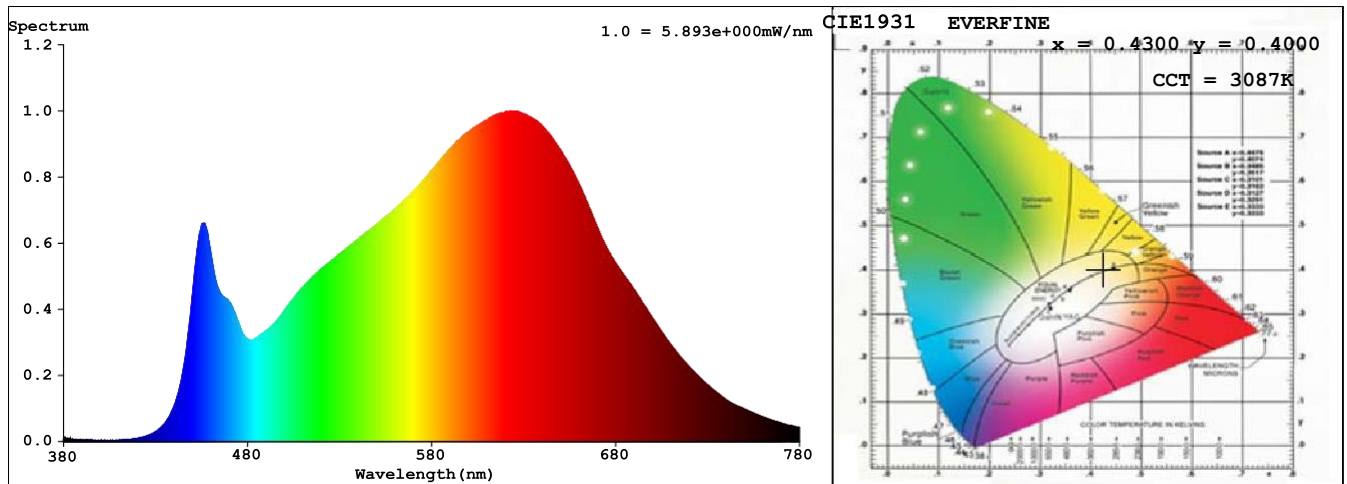
Spectrum Test Report

Sample	: E24F153W30	Date	: 2019-05-13 14:57:40
Specification	: 2835 120LED 0612NEON 24V 10W 3000K IP67 CRI90 1M::		
Sample No.	: LD19040302#39	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 56445 (86%)
Test Mode	: Fast Test	T	: 695 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4300$ $y = 0.4000$ / $u' = 0.2478$ $v' = 0.5187$ ($duv = -6.48e-04$)

CCT= 3087K Prcp WL: $L_d = 582.7\text{nm}$ Purity=49.1%

Peak WL: $L_p = 623\text{nm}$ FWHM: $=169.0\text{nm}$ Ratio: R=23.8% G=72.8% B=3.4%

Render Index: $R_a = 93.5$ CRI = 91.3 AvgR = 91.2 TM30: $R_f = 90$ $R_g = 98$

R1 =95 R2 =99 R3 =98 R4 =92 R5 =94 R6 =97 R7 =91

R8 =84 R9 =66 R10=96 R11=93 R12=78 R13=96 R14=100 R15=91

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 303.26 lm Eff. : 29.55 lm/W $\Phi_e = 1.0740\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$): 5.3208 Fluo. and blue light ratio: 9.025 Fluorescent eff.: 94.22

Electrical parameters

V = 24.00 V I = 0.4277 A P = 10.26 W PF = 1.000 F=0.00 Hz