



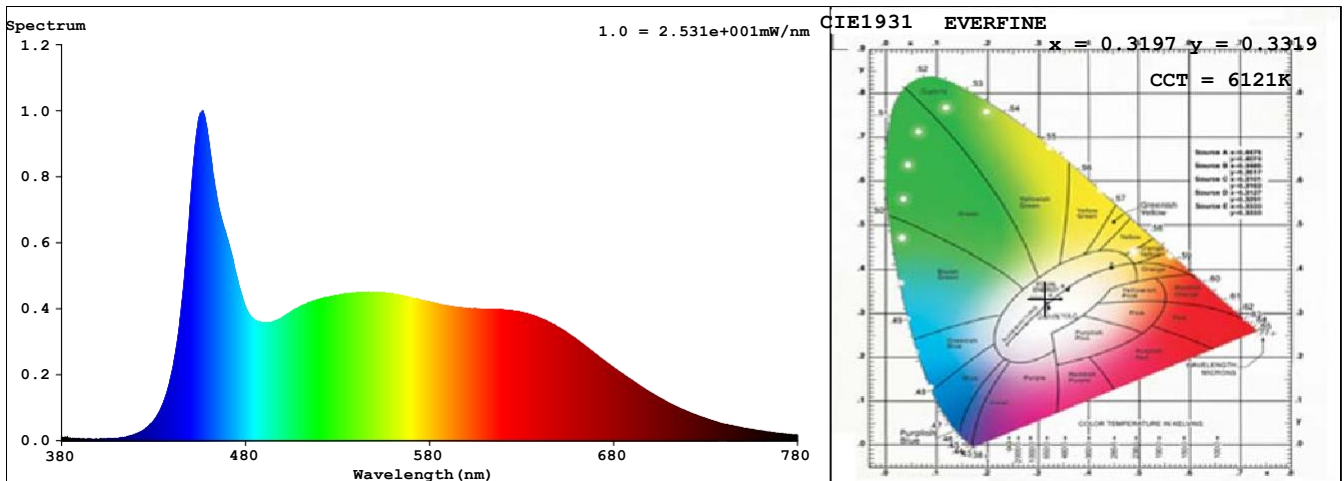
Spectrum Test Report

Sample	: E24W150W65	Date	: 2018-11-26 17:30:32
Specification	: 2835 120LED 8mm 24V 9.6W 6500K CRI90 IP68 1M		
Sample No.	: LD18111903#11	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	: LD120-RL2835-6500K-24-IP68		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49519 (76%)
Test Mode	: Fast Test	T	: 218 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3197$ $y = 0.3319$ / $u' = 0.2016$ $v' = 0.4709$ ($duv=1.26e-03$)

CCT= 6121K Prcp WL: $L_d=490.4nm$ Purity=4.7%

Peak WL: $L_p=457nm$ FWHM: $=28.2nm$ Ratio: R=16.0% G=76.9% B=7.1%

Render Index: $R_a = 93.7$ $CRI = 92.7$ $AvgR = 92.8$ $TM30:R_f=89$ $R_g=98$

$R_1 = 96$ $R_2 = 98$ $R_3 = 97$ $R_4 = 89$ $R_5 = 93$ $R_6 = 94$ $R_7 = 91$

$R_8 = 91$ $R_9 = 92$ $R_{10} = 98$ $R_{11} = 92$ $R_{12} = 68$ $R_{13} = 99$ $R_{14} = 99$ $R_{15} = 94$

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 781.88 lm Eff. : 82.03 lm/W $Fe = 2.8759 W$

Flux of emitted photons($\mu mol/s$):13.37 Fluo. and blue light ratio:2.595 Fluorescent eff.:217.9

Electrical parameters

$V = 24.00 V$ $I = 0.3972 A$ $P = 9.532 W$ $PF = 1.000$ $F=0.00 Hz$