



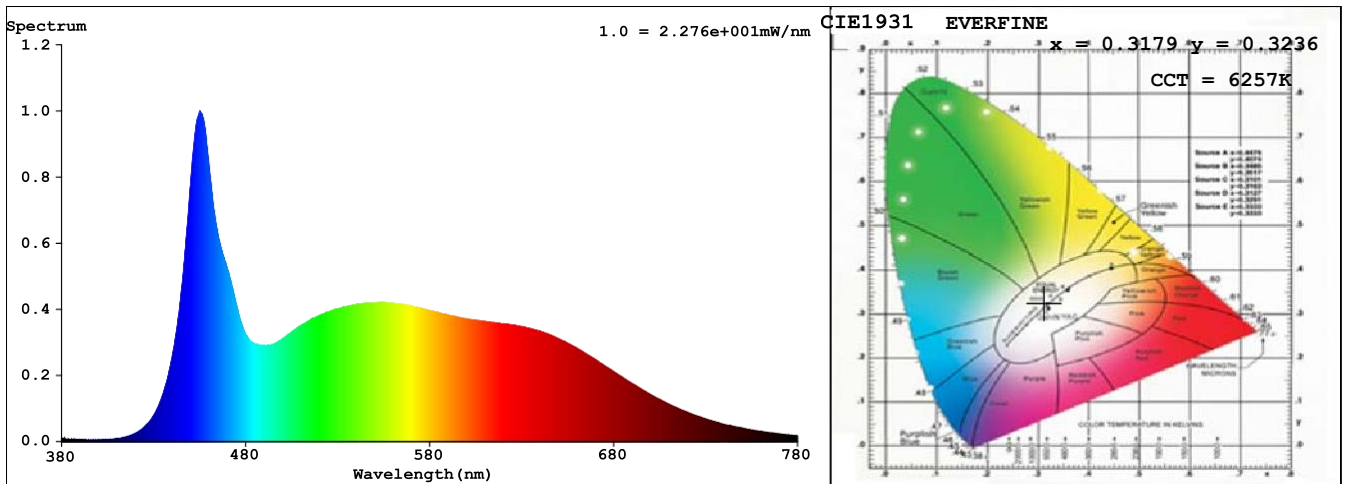
Spectrum Test Report

Sample	: E24N352W65	Date	: 2019-04-19 22:22:36
Specification	: 2110 120LED 4MM 24V 7.2W 6500K IP20 CRI90 1M		
Sample No.	: LD19040302#33	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 51407 (78%)
Test Mode	: Fast Test	T	: 289 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3179$ $y = 0.3236$ / $u' = 0.2035$ $v' = 0.4662$ ($duv = -2.25e-03$)

CCT= 6257K Prcp WL: $L_d = 483.1\text{nm}$ Purity=6.0%

Peak WL: $L_p = 455\text{nm}$ FWHM: $\approx 25.3\text{nm}$ Ratio: R=15.8% G=77.4% B=6.7%

Render Index: $R_a = 94.0$ CRI = 92.1 AvgR = 92.3 TM30: $R_f = 88$ $R_g = 100$

R1 =95 R2 =98 R3 =96 R4 =91 R5 =92 R6 =92 R7 =94

R8 =93 R9 =89 R10=95 R11=92 R12=66 R13=98 R14=98 R15=95

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 644.35 lm Eff. : 82.54 lm/W Fe = 2.3983 W

Flux of emitted photons($\mu\text{mol/s}$):11.146 Fluo. and blue light ratio:2.530 Fluorescent eff.:220.3

Electrical parameters

V = 24.00 V I = 0.3253 A P = 7.807 W PF = 1.000 F=0.00 Hz