



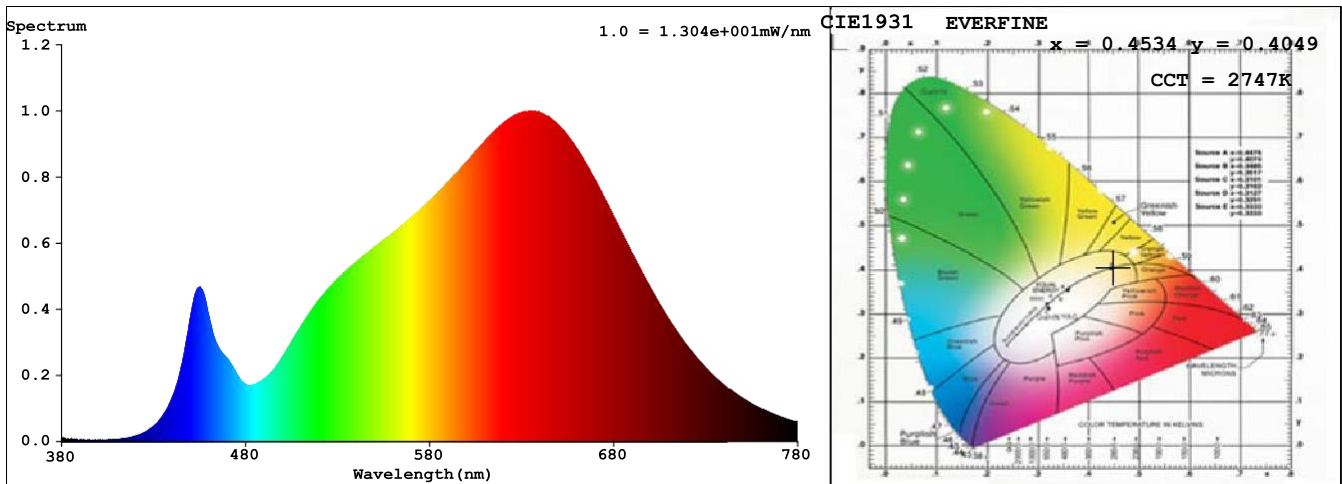
## Spectrum Test Report

Sample	: E24N352W27	Date	: 2019-04-20 08:09:46
Specification	: 2110 120LED 4MM 24V 7.2W 2700K IP20 CRI90 1M		
Sample No.	: LD19040302#36	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 56399 (86%)
Test Mode	: Fast Test	T	: 330 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4534$   $y = 0.4049$  /  $u' = 0.2609$   $v' = 0.5242$  ( $duv = -1.57e-03$ )

CCT= 2747K Prcp WL:  $L_d = 584.5\text{nm}$  Purity=57.6%

Peak WL:  $L_p = 635\text{nm}$  FWHM: =164.7nm Ratio:R=26.1% G=71.6% B=2.4%

Render Index:  $R_a = 93.9$  CRI = 91.3 AvgR = 91.4 TM30:Rf=91 Rg=102

R1 =95 R2 =96 R3 =95 R4 =93 R5 =93 R6 =94 R7 =95

R8 =89 R9 =75 R10=89 R11=93 R12=79 R13=95 R14=96 R15=93

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 596.72 lm Eff. : 77.29 lm/W Fe = 2.2748 W

Flux of emitted photons( $\mu\text{mol/s}$ ):11.514 Flu. and blue light ratio:11.99 Fluorescent eff.:272.0

### Electrical parameters

V = 24.00 V I = 0.3217 A P = 7.720 W PF = 1.000 F=0.00 Hz