



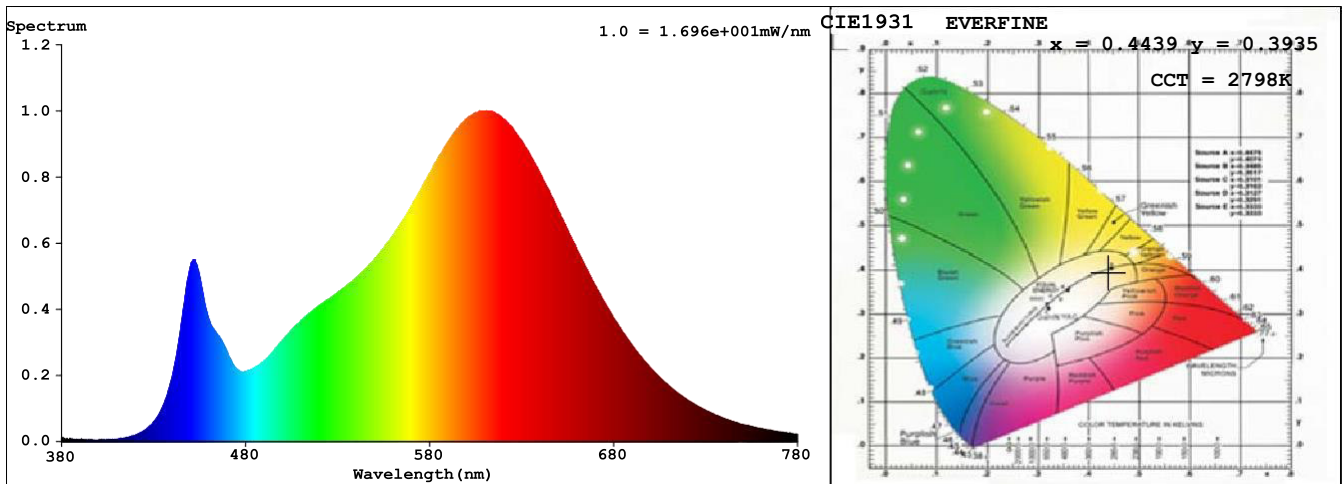
## Spectrum Test Report

Sample	: E24N550TW	Date	: 2019-02-19 09:40:25
Specification	: 3527 120LED 10MM 24V 17.3W BW IP20 CRI80 1M		
Sample No.	: LD19040302#37	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	: ---		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52448 (80%)
Test Mode	: Fast Test	T	: 191 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4439$   $y = 0.3935$  /  $u' = 0.2598$   $v' = 0.5182$  ( $duv = -5.06e-03$ )

CCT= 2798K Prcp WL:  $L_d = 585.6\text{nm}$  Purity=51.4%

Peak WL:  $L_p = 607\text{nm}$  FWHM: =126.2nm Ratio:R=25.2% G=72.0% B=2.8%

Render Index:  $R_a = 86.6$  CRI = 83.4 AvgR = 83.3 TM30:Rf=84 Rg=100

R1 =87 R2 =96 R3 =94 R4 =84 R5 =88 R6 =95 R7 =83

R8 =66 R9 =29 R10=91 R11=85 R12=83 R13=90 R14=98 R15=81

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 790.82 lm Eff. : 81.61 lm/W Fe = 2.6153 W

Flux of emitted photons( $\mu\text{mol/s}$ ):12.848 Flu. and blue light ratio:9.129 Fluorescent eff.:243.3

### Electrical parameters

V = 24.00 V I = 0.4038 A P = 9.690 W PF = 1.000 F=0.00 Hz



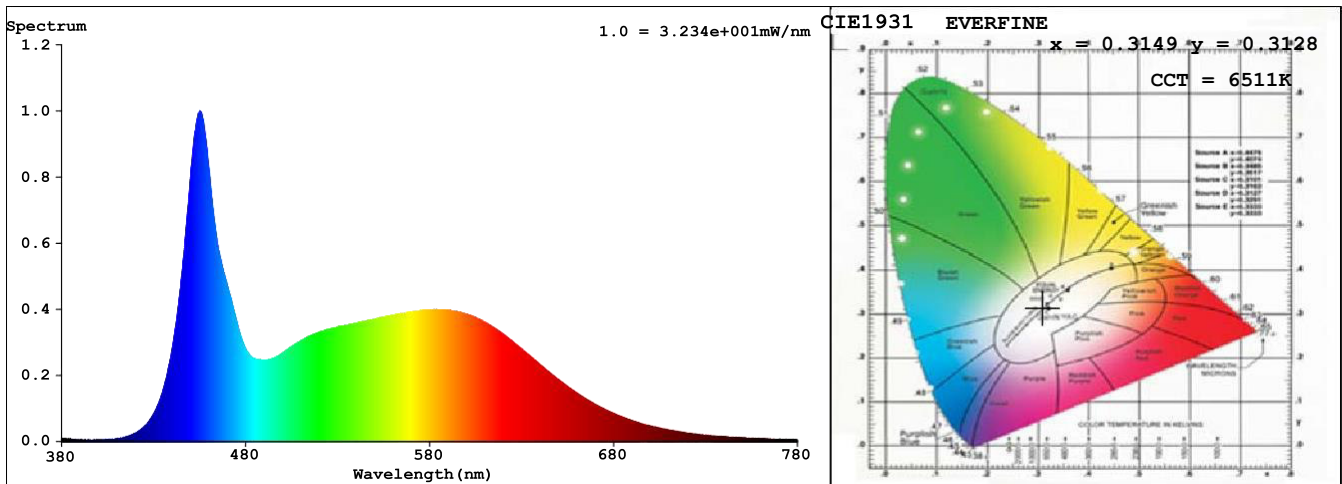
## Spectrum Test Report

Sample : E24N550TW Date : 2018-10-19 09:41:19  
 Specification : 3527 120LED 10MM 24V 17.3W BW IP20 CRI80 1M  
 Sample No. : LD19040302#37 Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : Velleman  
 Assessor :  
 Remark :

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 55193 (84%)  
 Test Mode : Fast Test T : 191 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3149$   $y = 0.3128$  /  $u' = 0.2057$   $v' = 0.4597$  ( $duv = -6.54e-03$ )

CCT= 6511K Prcp WL:  $L_d = 474.7\text{nm}$  Purity=8.3%

Peak WL:  $L_p = 455\text{nm}$  FWHM: =23.4nm Ratio:R=15.4% G=77.9% B=6.7%

Render Index:  $R_a = 89.3$  CRI = 85.5 AvgR = 85.9 TM30:Rf=83 Rg=97

R1 =91 R2 =96 R3 =95 R4 =87 R5 =89 R6 =88 R7 =88

R8 =79 R9 =48 R10=90 R11=87 R12=64 R13=94 R14=98 R15=92

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 838.70 lm Eff. : 88.12 lm/W Fe = 2.8763 W

Flux of emitted photons( $\mu\text{mol/s}$ ):12.997 Flu. and blue light ratio:2.098 Fluorescent eff.:204.7

### Electrical parameters

V = 24.00 V I = 0.3966 A P = 9.518 W PF = 1.000 F=0.00 Hz