



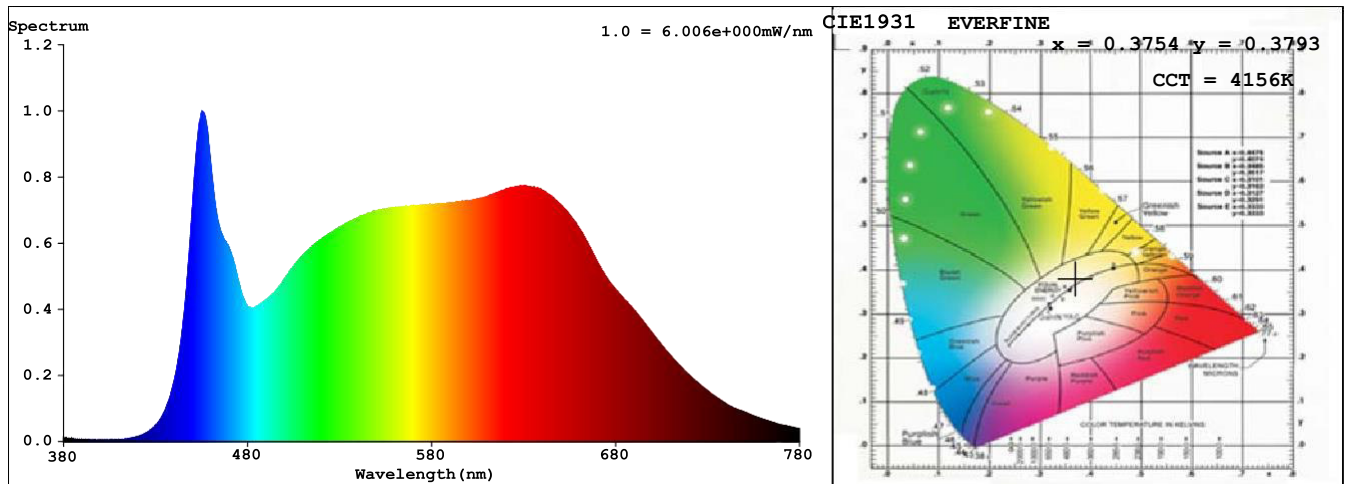
## Spectrum Test Report

|               |                                                     |            |                       |
|---------------|-----------------------------------------------------|------------|-----------------------|
| Sample        | : E24F153W40                                        | Date       | : 2019-05-13 14:55:18 |
| Specification | : 2835 120LED 0612NEON 24V 10W 4000K IP67 CRI90 1M: |            |                       |
| Sample No.    | : LD19040302#40                                     | Instrument | : HaasSuite(EVERFINE) |
| Manufacturer  | :                                                   | Test by    | : Velleman            |
| Assessor      | :                                                   |            |                       |
| Remark        | :                                                   |            |                       |

### Test Condition

|             |               |             |               |
|-------------|---------------|-------------|---------------|
| Temperature | : 25.3Deg     | RH          | : 65.0%       |
| WL Range    | : 380nm-780nm | IP          | : 53015 (81%) |
| Test Mode   | : Fast Test   | T           | : 825 ms      |
|             |               | Sensitivity | : High        |

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3754$   $y = 0.3793$  /  $u' = 0.2208$   $v' = 0.5020$  ( $duv=2.70e-03$ )

CCT= 4156K Prcp WL:  $L_d=577.0nm$  Purity=26.5%

Peak WL:  $L_p=455nm$  FWHM:  $=27.2nm$  Ratio: R=19.3% G=75.9% B=4.8%

Render Index:  $R_a = 94.8$  CRI = 92.3 AvgR = 92.4 TM30:  $R_f=90$   $R_g=97$

R1 =96 R2 =98 R3 =99 R4 =91 R5 =93 R6 =95 R7 =94

R8 =92 R9 =84 R10=94 R11=92 R12=68 R13=97 R14=99 R15=93

LEVEL:OUT WHITE:ANSI\_4000K

### Photometric & Radiometric Parameters

Flux = 295.91 lm Eff. : 29.13 lm/W Fe = 1.0558 W

Flux of emitted photons( $\mu mol/s$ ): 5.1053 Fluo. and blue light ratio: 5.547 Fluorescent eff.: 88.08

### Electrical parameters

V = 24.00 V I = 0.4233 A P = 10.16 W PF = 1.000 F=0.00 Hz