



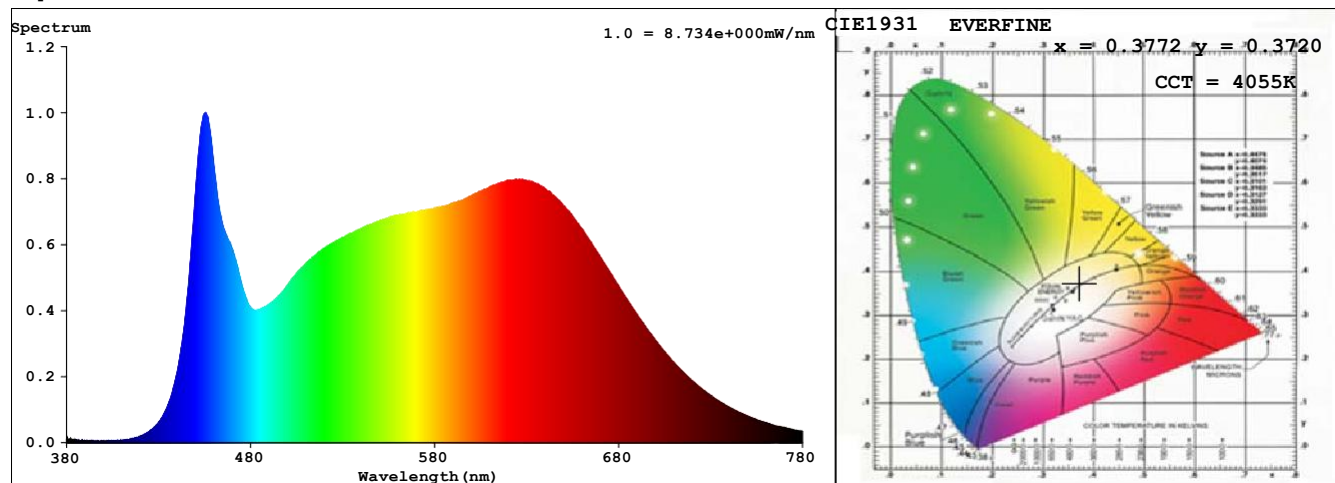
## Spectrum Test Report

|               |                                          |            |                       |
|---------------|------------------------------------------|------------|-----------------------|
| Sample        | : <b>E24N130W40</b>                      | Date       | : 2018-11-26 18:33:10 |
| Specification | : 2835 60LED 8mm 24V 4.8W 4000K CRI90 1M |            |                       |
| Sample No.    | : LD18111903#22                          | Instrument | : HaasSuite(EVERFINE) |
| Manufacturer  | :                                        | Test by    | : <b>Velleman</b>     |
| Assessor      | :                                        |            |                       |
| Remark        | : LD60-RL2835-4000K-24-IP20              |            |                       |

### Test Condition

|             |               |             |               |
|-------------|---------------|-------------|---------------|
| Temperature | : 25.3Deg     | RH          | : 65.0%       |
| WL Range    | : 380nm-780nm | IP          | : 45765 (70%) |
| Test Mode   | : Fast Test   | T           | : 428 ms      |
|             |               | Sensitivity | : High        |

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3772$   $y = 0.3720$  /  $u' = 0.2249$   $v' = 0.4990$  ( $duv = -1.28e-03$ )

CCT= 4055K Prcp WL:  $L_d = 579.6\text{nm}$  Purity=24.8%

Peak WL:  $L_p = 456\text{nm}$  FWHM:  $=27.7\text{nm}$  Ratio: R=20.2% G=75.0% B=4.8%

Render Index:  $R_a = 96.0$  CRI = 94.4 AvgR = 94.5 TM30:  $R_f = 91$   $R_g = 99$

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

R8 =93 R9 =89 R10=99 R11=95 R12=72 R13=99 R14=99 R15=96

LEVEL:OUT WHITE:ANSI\_4000K

### Photometric & Radiometric Parameters

Flux = 424.74 lm Eff. : 92.04 lm/W  $\Phi_e = 1.5322\text{ W}$

Flux of emitted photons( $\mu\text{mol/s}$ ):7.4007 Fluo. and blue light ratio:5.237 Fluorescent eff.:278.9

### Electrical parameters

V = 24.00 V I = 0.1923 A P = 4.615 W PF = 1.000 F=0.00 Hz

**EVERFINE CORPORATION**

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