



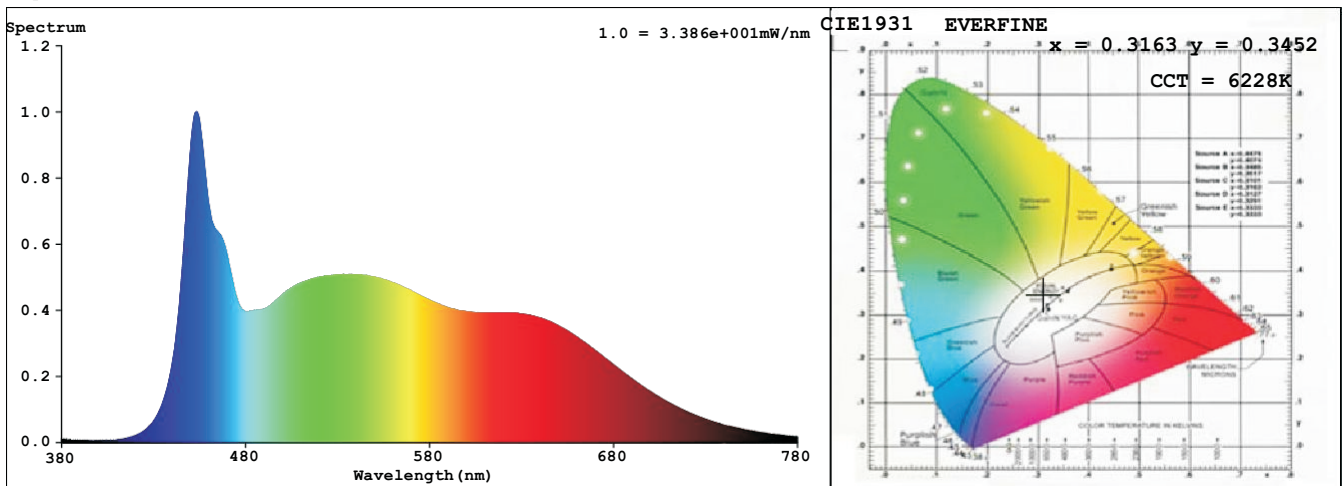
## Spectrum Test Report

Sample : E24M676W60 Date : 2020-04-09 16:25:54  
 Specification : COB 512 8MM 24V 10W 6000K CRI90 1M  
 Sample No. : Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : Velleman  
 Assessor :  
 Remark : LD512-RCOB-6000K-24-IP20

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 54855 (84%)  
 Test Mode : Fast Test T : 239 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3163$   $y = 0.3452$  /  $u' = 0.1944$   $v' = 0.4772$  ( $duv=9.53e-03$ )

CCT= 6228K Prcp WL:  $L_d=500.9\text{nm}$  Purity=5.2%

Peak WL:  $L_p=453\text{nm}$  FWHM:  $=27.0\text{nm}$  Ratio: R=14.8% G=78.4% B=6.8%

Render Index:  $R_a = 93.0$  CRI = 90.1 AvgR = 90.0 TM30:Rf=90 Rg=96

R1 =93 R2 =96 R3 =98 R4 =89 R5 =91 R6 =94 R7 =93

R8 =90 R9 =77 R10=92 R11=90 R12=66 R13=94 R14=99 R15=90

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 1124.5 lm Eff. : 107.27 lm/W Fe = 4.0285 W

### Electrical parameters

V = 24.00 V I = 0.4368 A P = 10.48 W PF = 1.000 F=0.00 Hz

**EVERFINE CORPORATION**

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