



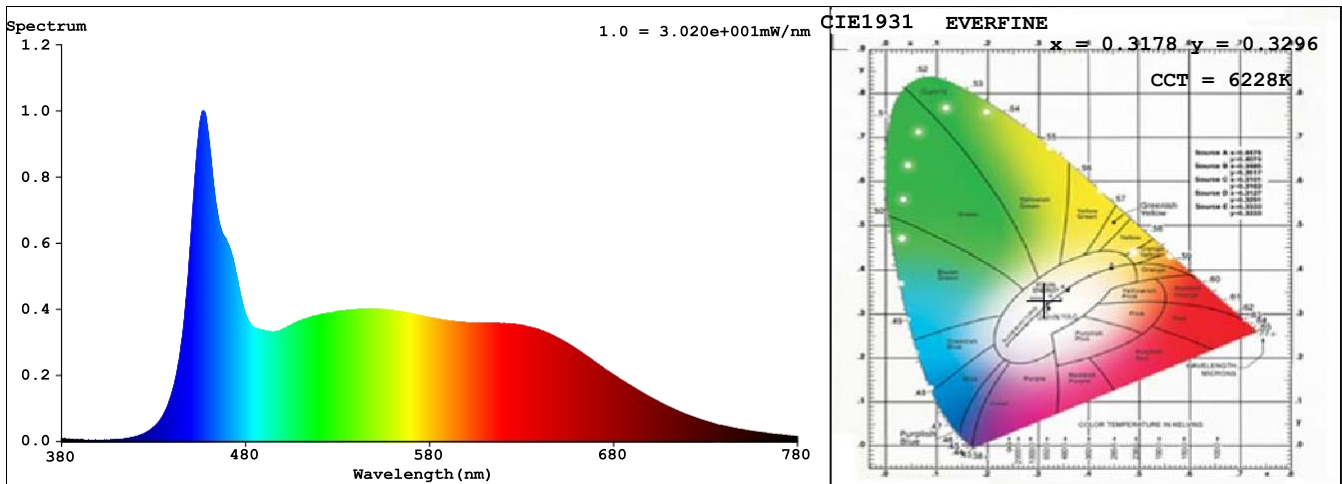
Spectrum Test Report

Sample : E12W150W65 Date : 2019-04-17 17:09:38
 Specification : 2835 120LED 8MM 12V 9.6W 6500K IP68 CRI90 1M
 Sample No. : LD19040302#26 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark :

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 52802 (81%)
 Test Mode : Fast Test T : 217 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3178$ $y = 0.3296$ / $u' = 0.2012$ $v' = 0.4694$ ($duv=9.52e-04$)

CCT= 6228K Prcp WL: $L_d=488.6\text{nm}$ Purity=5.5%

Peak WL: $L_p=457\text{nm}$ FWHM: $=26.2\text{nm}$ Ratio:R=16.1% G=76.5% B=7.5%

Render Index: $R_a = 92.4$ CRI = 91.5 AvgR = 91.6 TM30:Rf=88 Rg=98

R1 =96 R2 =96 R3 =95 R4 =88 R5 =92 R6 =94 R7 =89

R8 =90 R9 =95 R10=93 R11=91 R12=67 R13=97 R14=98 R15=93

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 837.29 lm Eff. : 91.86 lm/W Fe = 3.1096 W

Flux of emitted photons($\mu\text{mol/s}$):14.454 Flu. and blue light ratio:2.397 Fluorescent eff.:240.8

Electrical parameters

V = 12.00 V I = 0.7597 A P = 9.115 W PF = 1.000 F=0.00 Hz