



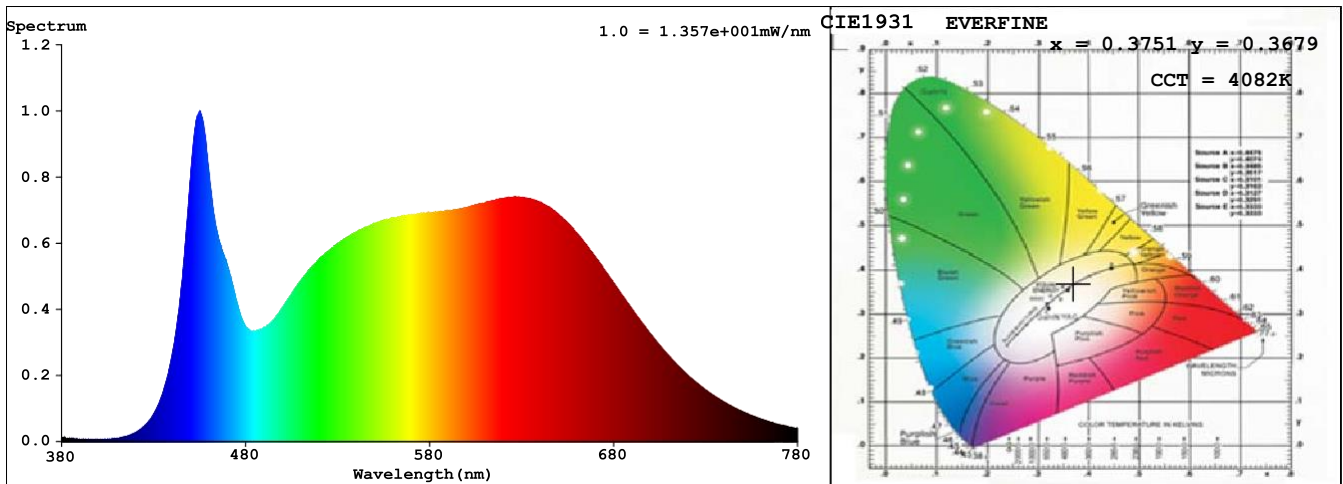
Spectrum Test Report

Sample : E24N352W40 Date : 2019-04-20 08:07:08
 Specification : 2110 120LED 4MM 24V 7.2W 4000K IP20 CRI90 1M
 Sample No. : LD19040302#34 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark :

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 52714 (80%)
 Test Mode : Fast Test T : 376 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3751$ $y = 0.3679$ / $u' = 0.2251$ $v' = 0.4968$ ($duv = -2.62e-03$)

CCT= 4082K Prcp WL: $L_d = 580.4\text{nm}$ Purity=23.0%

Peak WL: $L_p = 455\text{nm}$ FWHM: $=26.0\text{nm}$ Ratio: R=19.8% G=75.7% B=4.5%

Render Index: $R_a = 94.8$ CRI = 92.2 AvgR = 92.4 TM30: $R_f = 90$ $R_g = 100$

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

R8 =93 R9 =85 R10=92 R11=92 R12=69 R13=97 R14=97 R15=96

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 630.50 lm Eff. : 81.06 lm/W $F_e = 2.3011$ W

Flux of emitted photons($\mu\text{mol/s}$):11.139 Flu. and blue light ratio:4.975 Fluorescent eff.:246.4

Electrical parameters

$V = 24.00$ V $I = 0.3241$ A $P = 7.778$ W PF = 1.000 F=0.00 Hz